Plan

Construction Environmental Management Plan

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Document Approval

	Position Title	Name	Date
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GLOSSARY

Terms	Definition
ACHMP	Aboriginal Cultural Heritage Management Plan
AES	Accommodation and Employment Strategy
AS	Australian Standard
ASS	Acid Sulphate Soils
AS/NZS	Australian and New Zealand Standard
BDAR	Biodiversity Development Assessment Report
BMP	Biodiversity Management Plan
BMP	Bushfire Management Plan
BP	Business Partner
CCS	Community Communication Strategy
CEMP	Construction Environmental Management Plan
CNML	Construction Noise Management Level
CoA	Conditions of Approval
CPHR	Conservation Programs, Heritage and Regulation
CSSI	Critical State Significant Infrastructure
DCCEEW – Cth	Department of Climate Change, Energy, the Environment and Water (Cth) (formerly DAWE)
DCCEEW – NSW	Department of Climate Change, Energy, the Environment and Water (NSW) (formerly DPE)
DPE	Department of Planning and Environment (formerly DPIE)
DPHI	Department of Planning, Housing and Infrastructure (formerly DPE)
DPI	Department of Primary Industries
EIS	Environmental Impact Statement
ECM	Environmental Constraints Map
EMF	Electris and Magnetic Fields
EMP	Environmental Management Plan
EMS	Environmental Management Systems
EPA	Environment Protection Authority
EP&A Act	Environmental Planning and Assessment Act
EPBC Act	Environment Protection and Biodiversity Conservation Act 1999

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Terms	Definition
EPL	Environment Protection Licence
ER	Environmental Representative
ESCP	Erosion and Sediment Control Plan
EWMS	Environmental Work Method Statement
FRMP	Flood Risk Management Plan
FRNSW	Fire and Rescue NSW
HHMP	Historical Heritage Management Plan
HSE	Health, Safety and Environment
HSEQ	Health, Safety, Environment and Quality
ICAM	Incident Causation Analysis Method
ICNG	Interim Construction Noise Guideline
ICNIRP	International Commission on Non-Ionizing Radiation Protection
ISO	International Standard Organisation
km	Kilometre
kV	Kilovolt
LGA	Local Government Area
NEPA	National Environmental Protection Agency
NPWS	National Parks and Wildlife Service
NSW	New South Wales
NVMP	Noise and Vibration Management Plan
OOHW	Out-of-hours work
OSOM	Oversize/Overmass
REMM	Revised Environmental Mitigation Measures
RFS	Rural Fire Service
SCA	State Conservation Area
SEARs	Secretary's Environmental Assessment Requirements
SES	State Emergency Service
SWMP	Soil and Water Management Plan
the Project	Mount Piper to Wallerawang Transmission Line Upgrade Project (SSI-7027970279722)
TfNSW	Transport for NSW

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Terms	Definition
TTMP	Traffic and Transport Management Plan
WHSMP	Work Health and Safety Management Plan
WMP	Waste Management Plan

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1. INTRODUCTION

Transgrid, the Proponent, proposes to deliver a new 330 kilovolt (kV) transmission line of approximately 8 kilometres (km) in length between the Mount Piper and Wallerawang 330 kV substations (referred to as the Project). The Project was declared Critical State Significant Infrastructure (CSSI) (Reference No: SSI-70279722) on 4 July 2024 and was granted planning approval by the NSW Minister for Planning and Public Spaces on 16 May 2026 under Part 5, Division 5.2 of the *Environmental Planning and Assessment Act 1979* (NSW) (EP&A Act). The Project was deemed a controlled action on 2 August 2024 under the *Environment Protection and Biodiversity Conservation Act 1999* (Cth) (EPBC Act), and approval from the Commonwealth Minister for the Environment and Water was subsequently granted on 9 July 2026. Transgrid has appointed Zinfra as the Principal Contractor to construct and deliver the Project. Transgrid has prepared an Environmental Impact Statement (EIS) to address the Secretary's Environmental Assessment Requirements (SEARs), and supplementary SEARs addressing EPBC Act matters.

Key environmental assessment documentation for the project includes:

- Environmental Impact Statement (EIS) (August, 2025) prepared to address the Secretary's Environmental Assessment Requirements (SEARs), including supplementary SEARs relating to EPBC Act matters.
- Mount Piper to Wallerawang Transmission Line Upgrade Project - Submissions Report (December 2025), prepared in response to issues raised during public exhibition of the EIS.
- Mount Piper to Wallerawang Transmission Line Upgrade Project - Amendment Report (December 2025), documenting project amendments and additional assessment undertaken following consideration of submissions and agency feedback.

This Construction Environmental Management Plan (CEMP), and its associated sub plans builds on the EIS to detail all environmental aspects for the Project ensuring compliance with approval conditions. This CEMP has been prepared in accordance with the Post Approval Guidance: Environmental Management Plan Guideline for Infrastructure Projects (DPIE, April 2020).

1.1 Purpose and Scope

The purpose of this CEMP is to provide the framework for identifying and managing all the environmental impacts during construction of the Project. It outlines how Zinfra will implement controls and procedures to ensure compliance with the EIS Revised Mitigation Measures, Conditions of Approval (CoAs), and requirements under Part 5, Division 5.2 of the NSW Environmental Planning and Assessment Act 1979. The CEMP defines the processes and resources required to implement effective environmental management and continuous improvement throughout construction.

The CEMP establishes the environmental management approach for the Project's construction phase by:

- Describing construction activities, including transmission line upgrades and substation works.
- Setting objectives and targets to manage environmental risks (e.g. erosion, vegetation disturbance, and cultural heritage).
- Defining roles, responsibilities, and training requirements for all personnel and subcontractors.
- Detailing incident management, reporting, monitoring, and inspection procedures to verify control effectiveness.

This Plan forms part of Zinfra's Environmental Management System (EMS) and applies to all Zinfra personnel, subcontractors, consultants, and representatives engaged on the Project. It has been developed in accordance with:

- Post Approval Guidance: Environmental Management Plan Guideline for Infrastructure Projects (DPIE, April 2020)
- *Environmental Management Plan Guidelines* (Commonwealth of Australia, 2014)
- The Project's *Environmental Impact Statement (EIS)* and supporting studies as listed below:
    - Mount Piper-Wallerawang Transmission EIS
    - Technical Report 01 - Water
    - Technical Report 02 - BDAR
    - Technical Report 03 - Aquatic
    - Technical Report 04 - Land use and agriculture
    - Technical Report 05 - ACHAR (Public Version)
    - Technical Report 06 - Historic Heritage
    - Technical Report 07 - LCVIA
    - Technical Report 08 - Traffic and Transport

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  - Technical Report 09 - Hazard and Risk
  - Technical Report 10 - Noise and Vibration
  - Technical Report 11 - Contamination Assessment
  - Technical Report 12 - Economic and Employment
  - Technical Report 13 - Social Impact Assessment
- The Project's Amendment Report
- The Project's Submission Report and supporting studies as listed below:
  - Technical Report 02 – Revised BDAR
  - Technical Report 08 – Revised Traffic and Transport
  - WaterNSW Fish River Water Supply Scheme – Technical Working Paper
  - Noise EPA Response – Technical Memorandum
- *AS/NZS ISO 14001:2016 Environmental Management Systems*
- *Zinfra's Health, Safety, Environment and Quality (HSEQ) Management System*
- Relevant environmental legislation and statutory requirements

The scope of this CEMP is only for the construction phase of this Project and all Zinfra employees, subcontractors and visitors entering the Project shall comply with the requirements of this CEMP.

Management measures during operations phase are not covered within this plan.

1.2 Objectives

The Project's environmental objectives, key performance indicators, targets and performance criteria are established, reviewed and agreed to as part of the Project business planning process. Project specific targets and key performance indicators which are consistent with Transgrid and Zinfra expectations and are provided in Table 1-1 below noting that failure to achieve these targets and KPIs does not necessarily constitute a non-compliance under the Infrastructure Approval.

Environmental objectives, performance criteria and control measures are also outlined in the sub-plans.

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Table 1-1 - Targets and KPIs

Aspect	Targets	Key Performance Indicators
Soil and Water Quality	• Zero incidents relating to soil, sediment release and water quality • Zero reportable incidents relating to soil, sediment or water pollution. • Zero non-compliances associated with the handling, storage or disposal of contaminated soil. • Zero incidents involving the release of chemicals, fuels or oils. • Erosion and sediment controls implemented and maintained in accordance with approved ESCPs. • 100% completion of scheduled soil and water inspections. • 100% compliance with the Dewatering Procedure. • 100% completion of applicable soil and water environmental training requirements.	• Number of reportable incidents • Audit findings, environmental inspection records and monitoring records. • 100% completion of scheduled soil and water inspections. • 100% compliance with the Dewatering Procedure. • 100% completion of applicable soil and water environmental training requirements.
Flora and Fauna	• Zero unauthorised clearing or damage to vegetation outside approved clearing limits. • Zero unauthorised impacts to fauna habitat outside approved disturbance areas.	• Number of incidents involving unauthorised vegetation clearing or damage. • Number of incidents involving unauthorised impacts to fauna habitat. • Biodiversity Management Plan monitoring results against applicable performance criteria and triggers..
Weeds and Pests	• Zero incidences of weed spread between weed-infested and weed free zone	• Number of incidents relating to weed spread or non-compliances with weed control protocols • •Weed inspection and monitoring records.
Noise and Vibration	• Zero non-compliances identified during compliance audits of the Construction Noise and Vibration Management Plan (CNVMP). • Noise and vibration impacts monitored and managed in accordance with the CNVMP and applicable criteria..	• Audit findings, environmental inspection records, monitoring records. • Noise and vibration monitoring records. • Number of regulatory infringements or formal regulatory warnings relating to noise and vibration. • Timeliness of noise and vibration complaint responses in accordance with the Community Communication Strategy (CCS).
Air Quality and Dust Control	• No ongoing air quality or dust issues created as a result of Project activities	• Number of incidents relating to ongoing air quality or dust issues as a result of Project activities. • Inspection and complaint records.
Aboriginal Cultural and Historic Heritage	• •Zero unapproved impacts to identified or unidentified Aboriginal and historic heritage sites, items and values.	• Number of unapproved impacts to Aboriginal heritage sites, items or values. • Number of unapproved impacts to historic heritage sites, items or values. • Heritage inspection and monitoring records.
Waste and Energy	• Waste generation and resource consumption avoided or minimised through application of the waste hierarchy. • 100% by volume of suitable excavated material retained or reused onsite where required by the Project. • 100% of suitable topsoil retained and reused onsite.	• Waste Register. • Monthly waste quantities by waste stream and management pathway. • Calculated landfill-diversion rates. • Waste classification and contamination-assessment records. • Waste transport records and disposal or recycling dockets. • Stockpile Register. • Inspection and audit records

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Aspect	Targets	Key Performance Indicators
	• More than 90% by volume of general solid (non-putrescible) waste generated by construction and demolition activities reused, recycled or recovered where a lawful pathway is available. • More than 60% by volume of general amenity and office waste diverted from landfill through source segregation, reuse or recycling. • 100% of suspected contaminated material and waste requiring specific regulatory, transport or tracking controls identified, assessed and managed in accordance with applicable requirements. • All waste removed from the Project classified, transported and disposed of in accordance with applicable legislative and approval requirements.	
Dangerous Goods and Hazardous Substances	• Zero externally reportable incidents relating to handling of dangerous goods and hazardous substances • •Dangerous goods and hazardous substances stored, handled and managed in accordance with applicable requirements.	• Evidence of appropriate handling and storage of dangerous goods and hazardous substances • Number of breaches of applicable hazardous-substance controls. • Inspection and incident records.
Legal & Regulatory Requirements	• Zero breaches of environmental legal or regulatory requirements	• Number of non-compliances with environmental legal or regulatory requirements. • Number of regulatory infringements, prosecutions or formal regulatory warnings.
Hazard ID & Risk Assessment	• 100% compliance with Risk Assessment control measures	• Number of personnel inducted and trained in applicable risk controls. • Number of non-compliances with risk-assessment control measures.
Permits, Licences & Approvals Conditions	• Zero non-compliances with applicable permit, licence or approval conditions.	• Number of non-compliances with applicable permit, licence or approval conditions. • •Audit and inspection records.
Project induction & environmental training	• •100% of Project personnel complete the applicable Project induction and environmental training requirements prior to commencing relevant work activities..	• Number and percentage of personnel completing required inductions and training before commencing relevant work. • Induction and training records.
Reinstatement and Rehabilitation	• Effective restoration of all disturbed surfaces to pre-Project condition or the condition specified in the relevant approval or agreement. • No weed establishment in disturbed and rehabilitated areas.	• Number of areas with insufficient revegetation success, based on post-construction monitoring or audit. • Number of areas with weed infestation identified during post-construction monitoring or audit. • Rehabilitation and Biodiversity Management Plan monitoring records.
Community and Stakeholder Engagement	• Required community and stakeholder notifications, consultation and engagement undertaken within applicable or agreed timeframes. • Community enquiries and complaints recorded, managed and responded to within the timeframes specified in the CCS. • Stakeholder commitments tracked and actioned in accordance with the CCS.	• Number and nature of enquiries and complaints received. • Percentage of enquiries and complaints responded to within required timeframes. • Notification and consultation records. • Complaint trends and recurring issues. • Stakeholder commitment and action records.
Traffic	• 100% compliance with approved construction transport routes, applicable oversize and/or overmass (OSOM) permit conditions and traffic-management requirements. • Zero unauthorised use of roads or routes outside those approved for Project construction traffic.	• Number of identified non-compliances with approved transport routes, permit conditions and traffic-management requirements. • Number of traffic and transport-related complaints. • Vehicle-tracking and movement records. • Traffic inspection and audit records.

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1.3 Environmental Policy

The Zinfra Environmental commitments are embedded within the existing HSEQ Policy and implemented through the Environmental Management Framework, which is certified to ISO 14001:2015. This framework outlines the systems, responsibilities, and processes that ensure environmental risks are effectively managed throughout the Project. Together, these documents demonstrate Zinfra's commitment to environmental protection, regulatory compliance, and continual improvement in environmental performance. Zinfra's HSEQ Policy Statement is provided in Figure 1-1 below:



Zinfra
Your trusted partner in energy

Health, Safety, Environment & Quality Policy

The safety, wellbeing and satisfaction of our teams, customers, the public and the environments and communities in which we operate are paramount to our success. We bring energy to life reliably, affordably and sustainably through continued learning and creating safe, environmentally aware, collaborative and customer focussed work environments.

We do this by:

- Doing it safely every time
- Speaking up, listening, sharing and learning
- Focusing on managing critical risks
- Keeping it simple to enable safe, high quality outcomes

Wherever we are, we will:

People & Environment	▪ Provide psychologically and physically safe, healthy and supportive work environments for our teams. ▪ Empower our team members to stop work for a health, safety, environmental or quality (HSEQ) concern. ▪ Safeguard the environments in which we operate by minimising our environmental footprint, protecting cultural heritage and enhancing biodiversity. ▪ Consult and communicate with our teams, customers, communities and other stakeholders on HSEQ issues and opportunities. ▪ Ensure our teams are trained, competent and understand how to implement customer and compliance obligations effectively. ▪ Lead with a focus on health and wellbeing, personal and process safety. ▪ Proactively assist injured and ill team members to return to work. ▪ Acknowledge and learn from local Aboriginal and Torres Strait Islander peoples' ways of caring for country.
Asset	▪ Proactively minimise asset lifecycle risks during asset planning, design, commissioning, maintenance and decommissioning. ▪ Integrating climate mitigation and adaptation considerations to future-proof our assets.
Equipment	▪ Provide the appropriate plant, tools and equipment to deliver safe, high quality outcomes..
Stakeholders	▪ Exceed customer expectations by developing tailored work programs based on specific customer needs. ▪ Comply with statutory, industry and customer standards and obligations.
Improvement	▪ Encourage frontline innovation to eliminate or mitigate risks to as low as is reasonably practicable. ▪ Leverage green technologies and innovation to meet our net-zero by 2050 target ▪ Establish objectives and targets to continuously improve our HSEQ performance. ▪ Respond to incidents and conduct thorough, timely and meaningful investigations, implement corrective actions and share lessons learned internally and with industry. ▪ Pursue best practice and continued improvement through regular review and evaluation of the effectiveness of our HSEQ management system.

Wherever we are, our internal and contractor teams will:

- Be trained, competent, authorised and fit to undertake their activities safely and effectively.
- Report health, safety, environment and quality hazards and unsafe work practices.
- Comply with health, safety, environment and quality obligations

Peter Iancov
Managing Director
January 2024

Version No. 2.0 Policy No. JAA HSE PO 0001

Figure 1-1 - Health, Safety, Environment and Quality Policy

1.4 Environmental Duty of Care

In accordance with Condition A1 of the Conditions of Approval (CoA), all reasonable and feasible measures will be implemented to prevent material harm to the environment arising from pre-construction minor works, construction, operation, rehabilitation, or decommissioning activities associated with the development. Where prevention is not reasonable or feasible, measures will be implemented to minimise environmental harm and achieve the performance measures and criteria specified in this approval.

In accordance with Condition A2 of CoA, Zinfra will ensure that the development will be carried out

a) in compliance with the CoA;

b) in accordance with all written directions of the Planning Secretary;

c) generally in accordance with the EIS; and

d) generally in accordance with the Development Layout in Appendix 1 of CoA.

In accordance with Condition A3 of CoA, Zinfra will comply with any written requirement/s of the Planning Secretary arising from the Department's assessment of:

a) the environmental performance of the development;

b) any strategies, plans or correspondence that are submitted in accordance with the CoA;

c) any reports, reviews or audits commissioned by the Department regarding compliance with the CoA;

d) the implementation of any actions or measures contained in these documents, and

e) in respect of ongoing monitoring and management obligations, compliance with an updated or revised version of a guideline, protocol, Australian Standard or policy required to be complied with under the CoA.

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2. PROJECT DESCRIPTION

2.1 Project Overview

The Project involves the construction of approximately 8 km of new 330 kV transmission line between the Mount Piper and Wallerawang 330 kV substations. Over half of the proposed transmission line would use an existing 132 kV transmission line easement which is to be widened to accommodate both the new and existing transmission lines. The remaining sections would involve either a new transmission line easement or adjusting an existing easement where it overlaps with other transmission lines. It also includes the replacement of existing transmission structures, adjustments to existing transmission lines, and the establishment of permanent and temporary access tracks, construction compounds, and laydown areas.

The upgrade is required to enhance the reliability and capacity of the transmission network, ensuring the secure supply of electricity from the Central-West Orana region to the Greater Sydney region.

2.2 Staging Report

A Staging Report has been developed in accordance with Condition C4-C6. Revision 2.1 of the Staging Report was endorsed by the Environmental Representative (ER) on 8 September 2026.

The Staging Report identified 3 stages. These Stages have the same meaning as the terms defined in the Infrastructure Approval. The Stages are;

- Pre-Construction
- Construction
- Operation

Future stages, including upgrading and decommissioning will be addressed through future revisions of the Staging Report, as required. Following endorsement of the Staging Report, Transgrid submitted Staging Requests to the Planning Secretary for staging of management plans in accordance with Condition C7 which was approved by DPHI on 28 August 2026. The specific plans approved for staging during pre-construction minor works are as follows;

- Community Communication Strategy (A23)
- Complaints Handling Strategy (C2)

The specific plans approved for staging during construction phase are as follows;

- Noise and Vibration Management Plan (NVMP) (Condition B11);
- Soil and Water Management Plan (SWMP) (Condition B19);
- Biodiversity Management Plan (BMP) (Condition B24);
- Historic Heritage Management Plan (HHMP) (Condition B26);
- Aboriginal Cultural Heritage Management Plan (ACHMP) (Condition B27);
- Traffic and Transport Management Plan (TTMP) (Condition B35);
- Emergency Plan (Emergency Management Plan) (Condition B46);
- Waste Management Plan (WMP) (Condition B51);
- Accommodation and Employment Strategy (AES) (Condition B52);
- Environmental Management Plan (EMP) (Condition C1)
- Rehabilitation Management Plan (Condition B54) [within 6 months of commencement of Construction]; and
- Final Layout Plans (C11).

The specific plans approved for staging during Operations phase are as follows;

- Noise and Vibration Management Plan (NVMP) (Condition B11);
- Soil and Water Management Plan (SWMP) (Condition B19);
- Biodiversity Management Plan (BMP) (Condition B24);
- Historic Heritage Management Plan (HHMP) (Condition B26);

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- Aboriginal Cultural Heritage Management Plan (ACHMP) (Condition B27);
- Traffic and Transport Management Plan (TTMP) (Condition B35);
- Emergency Plan (Condition B46);
- Waste Management Plan (WMP) (Condition B51);
- Accommodation and Employment Strategy (AES) (Condition B52);
- Environmental Management Plan (EMP) (Condition C1)

In accordance with the Staging Request for the EMP, this Management Plan addresses the construction stage only. As such, operational impacts and monitoring do not fall within the scope of this EMP and are not addressed within the processes contained within this plan. Requirements applicable to the remaining stages, including operation, upgrading and decommissioning, will be addressed in a separate document prior to commencement of the relevant stage.

The Staging Report and Staging Request are subject to update where the project staging arrangements are revised or further stages are progressed.

2.3 Project Approvals

2.3.1 Planning Context

The Project was declared Critical State Significant Infrastructure on 4 July 2024 and is subject to approval by the NSW Minister for Planning and Public Spaces under Part 5, Division 5.2 of the Environmental Planning and Assessment Act 1979 (NSW) (EP&A Act). Planning approval for the Project was granted on 16 May 2026.

The Infrastructure Approval for SSI-70279722 stipulates requirements related to this Plan. These are summarised in Table 2-1 below.

In accordance with Condition A4 of the Conditions of Approval (CoA), Zinfra will comply with the conditions of this approval and any directions issued by the Planning Secretary. Where there is any inconsistency, ambiguity, or conflict between the conditions of approval or Planning Secretary directions and any document listed in Condition A2(c), the conditions of approval and Planning Secretary directions will prevail to the extent of the inconsistency, ambiguity, or conflict. Where an inconsistency, ambiguity, or conflict exists between documents listed in Condition A2(c), the most recent version of the relevant document will prevail.

Other approvals required for the project are discussed in the relevant sub-plans.

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Table 2-1 - Conditions of Approval Relevant to this Plan

ID	Environmental Condition	Where Addressed	How Addressed
C1	Prior to commencing construction, the Proponent must prepare an Environmental Management Plan for the development to the satisfaction of the Planning Secretary. This Plan must:		This CEMP has been prepared to satisfy Condition C1 and will be submitted to the Planning Secretary for approval prior to construction.
C1 (a)	provide the strategic framework for environmental management of the development;	Section 4.1	The CEMP applies Zinfra's ISO 14001 certified EMS to the Project and provides the overarching framework for managing environmental risks during construction. Supporting sub-plans are identified in Section 4.2 and Figure 4-1.
C1 (b)	identify the statutory approvals that apply to the development;	Sections 2.3 and 4.4 and Appendices B, C, D and F	The Infrastructure Approval and EPBC Approval are identified in Sections 2.3 and 4.4, with conditions reproduced in Appendices B and C, REMMs in Appendix D and applicable legislation in Appendix F.
C1 (c)	identify the Environmental Management Documents required for each stage and phase of the development consistent with the Staging Report prepared under condition C4	Section 2.2	The environmental management documents required for the pre-construction, construction and operation stages, as approved under the Staging Request, are listed in Section 2.2. Sub-plans and their consultation and approval requirements are provided in Table 4-1.
C1 (d)	describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development	Section **Error! Reference source not found.**	The environmental organisational structure is shown in Figure 4-2 and the responsibilities of key personnel are detailed in Table 4-2. Independent roles, including the ER, are described in Section 4.3.2.
C1 (e)	include an environmental risk assessment of the development activities and specific risk management controls/mitigation measures to:	Section 4.6, Appendix E	Section 4.6 describes the risk assessment process, including the risk workshop held on 5 August 2026, application of the hierarchy of controls and six-monthly review. The Environmental Risk Register is provided in Appendix E.
C1 (e) (i)	comply with statutory requirements, limits or performance measures and criteria;	Section 4.6, Appendix E	The risk register identifies controls to comply with statutory requirements, limits and performance criteria, implemented through EWMS for high and moderate risk activities (Section 4.6.3).
C1 (e) (ii)	manage the predicted impacts and risks identified in the EIS; and	Section 4.6, Appendix E	The risk register identifies controls to manage the impacts and risks predicted in the EIS, supported by the REMMs in Appendix D.
C1 (e) (iii)	manage any other environmental risk or impact that has been subsequently identified after the EIS was submitted	Section 4.6, Appendix E	Section 4.6.1 sets out how new or changed risks are assessed, including consistency assessments provided to the ER under Condition A13(b). The risk register is updated accordingly.
C1 (f)	include an adaptive management process to be implemented if the review of the risk assessment indicates that any measure that has been implemented is not effective in managing the identified risk(s) and a process to update the measure;	Section 4.6.2	A six-step adaptive management process is provided in Section 4.6.2, covering monitoring, evaluation of control effectiveness,

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ID	Environmental Condition	Where Addressed	How Addressed
	Note: If a management plan is prepared for a particular environmental aspect, the plan may refer to the monitoring and evaluation processes detailed in the relevant management plan.		development and implementation of revised controls, verification and update of documentation.
C1 (g)	set out the procedures that would be implemented to:	Section 3	Refer to sub-conditions below.
C1 (g) (i)	keep the local community and relevant agencies informed about the operation and environmental performance of the development;	Section 3, Section 4.10, Section 4.14.1, Section 4.14.2	Community engagement is managed through the Community Communication Strategy (Section 3). Environmental performance reporting to Transgrid and agencies is detailed in Table 4-6 and public access to information in Section 3.4.
C1 (g) (ii)	receive, handle, respond to, and record complaints;	Section 3.3	Complaints are recorded in Salesforce within one business day and managed in accordance with the Complaints Handling Protocol (Figure 3-3).
C1 (g) (iii)	resolve any disputes that may arise;	Section 3.3	Disputes are managed in accordance with the Complaints Handling Protocol in Section 3.3 and Figure 3-3.
C1 (g) (iv)	respond to any non-compliance;	Section 4.15.5	Non-compliances are notified to the Department within seven days in accordance with Section 4.15.5, with corrective and preventative actions tracked in the Corrective Action Register (Section 4.14.5).
C1 (g) (v)	respond to emergencies; and	Section 4.15.6	Emergencies are managed under the Project Emergency Plan, including the Bushfire and Flood Risk Management Plans. Emergency contacts are provided in Table 4-7.
C1 (h) (i)	Include references to any strategies, plans and programs approved under the conditions of this approval;	Section 4.2	The strategies, plans and programs required under the conditions of approval are listed in Table 4-1 and their relationship to the CEMP is shown in Figure 4-1.
C1 (h) (ii)	Include a clear plan depicting all the monitoring to be carried out in relation to the development, including a table summarising all the monitoring and reporting obligations under the conditions of this approval; and	Appendices I and J and relevant Sub-Plans	Monitoring obligations are summarised in Table 4-5 and reporting obligations in Table 4-6, with detailed monitoring requirements provided in the relevant sub-plans.
C1 (i)	include the complaints handling protocol required by condition C2.	Section 3.3	The complaints handling protocol required by Condition C2 is provided in Section 3.3 and Figure 3-3.
C1	The Proponent must not commence construction until the Environmental Management Plan is approved by the Planning Secretary.	Section 2.6.1	Section 2.6.1 confirms construction will not commence until this CEMP is approved by the Planning Secretary.
C2	The Proponent must prepare a Complaints Handling Protocol for the development. The Protocol must:	Section 3.3	A Complaints Handling Protocol has been developed and is presented in Figure 3-3.
C2 (a)	detail how complaints would be received by the Proponent;	Section 3.3	Section 3.3 and Figure 3-3 detail how complaints are received, recorded and managed by the Project Engagement Lead.
C2 (b)	detail how the contact details for receiving complaints would be communicated to surrounding businesses and/or landowners; and	Section 3.3, Section 3.4	Contact details for enquiries and complaints will be published on the Project website (Section 3.4) and communicated through the Community Communication Strategy.

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ID	Environmental Condition	Where Addressed	How Addressed
C2 (c)	include a complaints register to record the date, time and nature of the complaint, details of the complainant and any actions take to address the complaint. The complaints register must be submitted to the Planning Secretary upon request.	Section 3.3	The complaints register fields are listed in Section 3.3. The register will be submitted to the Planning Secretary upon request and published monthly on the Project website (Section 3.4).
C3	If updates to an environmental management document are required: (a) to include new information or changes to the development as a result of: (i) a modification of project approval; or (ii) a change in the phase of development as notified under condition C10; to update risk controls or mitigation measures in response to a change in risk level (b) identified by review of the environmental risk assessment required by condition C1(f); (c) to address the findings of an Independent Environmental Audit under condition C14; (d) to implement the findings of an incident report required by condition C16; (e) to comply with a directive by the Planning Secretary; the relevant environmental management document(s) must be revised and submitted to the Planning Secretary for approval within three months unless otherwise agreed by the Planning Secretary. *Note: This is to ensure that environmental management documents are updated regularly and to incorporate any recommended measures to improve the development's environmental performance.*	Section 5.1	Triggers for review and revision of this CEMP are provided in Section 5.1, including submission of the revised document to the Planning Secretary for approval within three months unless otherwise agreed.
C7	With the approval of the Planning Secretary, the Proponent may: (a) prepare any environmental management document required by this approval on a staged basis (if a clear description is provided as to the specific stage and scope of the development to which the document applies, the relationship of the stage to any future stages and the trigger for updating the document); (b) combine environmental management documents if the Proponent can demonstrate a clear nexus between the nominated documents, the impact of combining the nominateddocuments and how the nominated documents will still comply with the conditions of this approval; (c) update any environmental management document required by this approval (to ensure the strategies, plans and programs required under this approval are updated on a regular basis and incorporate additional measures or amendments to improve the environmental performance of the development).	Section 2.2	Section 2.2 confirms Staging Requests under Condition C7 were approved by DPHI on 28 August 2026, and that this CEMP addresses the construction stage only. Remaining stages will be addressed in a separate document prior to commencement.
C10	The Department must be notified, in writing, prior to the date of commencement of each of the following development phases: (a) commencement of pre-construction minor works under the approval; (b) commencement of construction under the approval;	Section 2.6.1	Section 2.6.1 confirms Transgrid will notify the Department in writing prior to the commencement of each development phase and any further stage.

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ID	Environmental Condition	Where Addressed	How Addressed
	(c) commencement of operations under the approval; (d) completion of decommissioning of the development. If the phases of the development are to be further staged, the Department must be notified, in writing, prior to the commencement of each stage, noting the date of commencement and the development to be carried out in that stage.		
C14	Independent Environmental Audits of the development must be conducted and carried out in accordance with the Independent Audit Post Approval Requirements published on the Department's website.	Section 4.14.1	Independent audits will be undertaken within 12 weeks of construction commencement and at intervals of no greater than 26 weeks, in accordance with the Independent Audit Post Approval Requirements (Section 4.14.1).
C16	The Proponent must notify the Department and NPWS within 24 hours of becoming aware of an incident. The notification to the Department must be made via the NSW planning portal (Major Projects) and address details of the incident, including: (a) date, time and location; (b) a brief description of what occurred and why it has been classified as an incident; (c) a description of what immediate steps were taken in relation to the incident; and (d) identifying a contact person for further communication regarding the incident.	Section 4.15.2	Section 4.15.2 requires notification of the Department and NPWS within 24 hours via the Major Projects portal, including the prescribed details. A subsequent incident report is provided within seven days under Section 4.15.3.

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2.3.2 EPBC Approval

The Project was deemed a controlled action on 2 August 2024 under the Environment Protection and Biodiversity Conservation Act 1999 (Cth) (EPBC Act) and requires approval from the Commonwealth Minister for the Environment and Water. The EPBC Approval (EPBC 2024/09855) was provided on 09 July 2026. EPBC Approval requirements related to this plan are addressed in Appendix C.

2.3.3 Revised Environmental Mitigation Measures

All Mitigation Measures proposed in the Revised Environmental Mitigation Measures (REMM) from the Submissions Report have been addressed in the CEMP and associated sub-plans. These measures and information pertaining to where they have been addressed is outlined in Appendix D.

2.4 Project Site Location

The Project is located approximately 14 kilometres (km) west of Lithgow in the City of Lithgow Local Government Area (LGA) in the central west of NSW as shown in Figure 2-1. The Project footprint covers approximately 90.4 hectares.

The Project footprint is generally bounded by the following:

- Castlereagh Highway to the north
- Former Wallerawang Power Station site to the east
- Gardens of Stone State Conservation Area (SCA) to the south
- Mount Piper Power Station to the north-west.

Land uses within and adjacent to the Project footprint include:

- electricity generation at Mount Piper Power Station
- electricity transmission, including the Mount Piper and Wallerawang 330 kV substations, and associated transmission lines
- mining activities, with several Centennial Coal operations including the former Ivanhoe Coal Mine and Springvale Coal Services overlapping the Project footprint
- agriculture, primarily livestock grazing
- conservation, notably the Gardens of Stone SCA
- state and local road reserves including the Castlereagh Highway, Boulder Road and Brays Lane
- rail corridors including the Main Western Rail Line and a disused railway line near Brays Lane.

Mixed land uses are proposed at the former Wallerawang Power Station site. This may include commercial and industrial land use.

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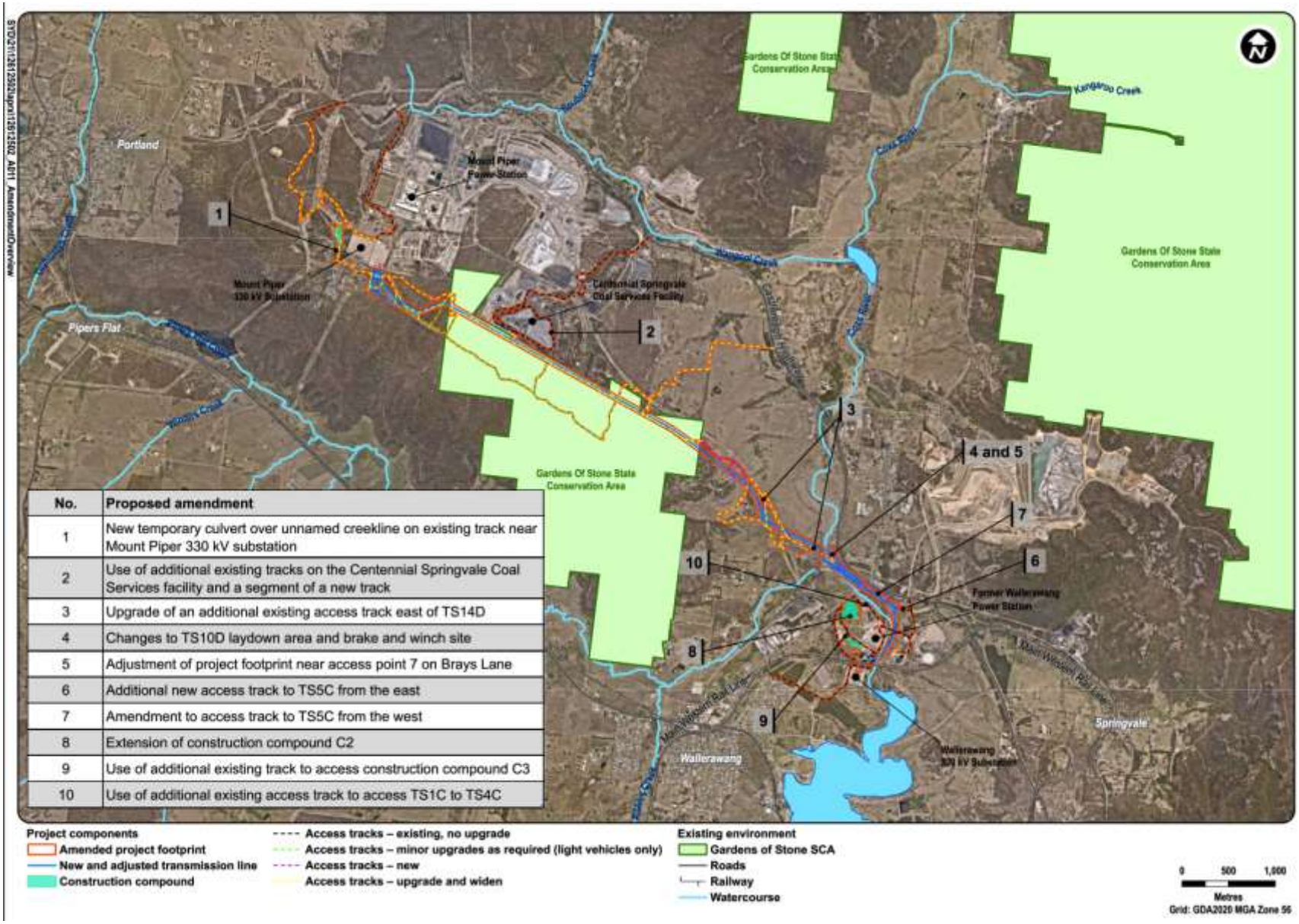


Figure 2-1 - Project Location and Regional Context

2.5 Scope of Works

The Project involves the construction and operation of approximately 8 km of new 330 kV transmission line between the Mount Piper and Wallerawang 330 kV substations. It also includes the replacement of transmission structures, partial adjustment of existing transmission lines, and the establishment of permanent and temporary access tracks, construction compounds, and laydown areas.

The key features of the Project, shown in Figure 2-2 to Figure 2-5 include:

- Widening approximately 0.5 km of existing easements near the Mount Piper 330 kV substation by up to 40 m to accommodate the new 330 kV transmission line and adjustments to existing 132 kV and 330 kV transmission lines.
- Widening the existing 132 kV easement from 45 m to 60 m over 4.8 km to accommodate double-circuit transmission structures for both the existing 132 kV line and the new 330 kV line.
- Installation of three 132 kV pole structures where the existing 132 kV line will be restrung onto the new double-circuit transmission structures.
- Construction of 1.2 km of new 330 kV transmission line from the existing 132 kV line southeast to the intersection of Main Street and the Castlereagh Highway on a 60 m easement.
- Construction of 1.5 km of new 330 kV transmission line on a 40 m easement running parallel to existing 330 kV lines for approximately 1.1 km, then diverging and widening to 60 m for the remaining 0.4 km to the Wallerawang 330 kV substation.

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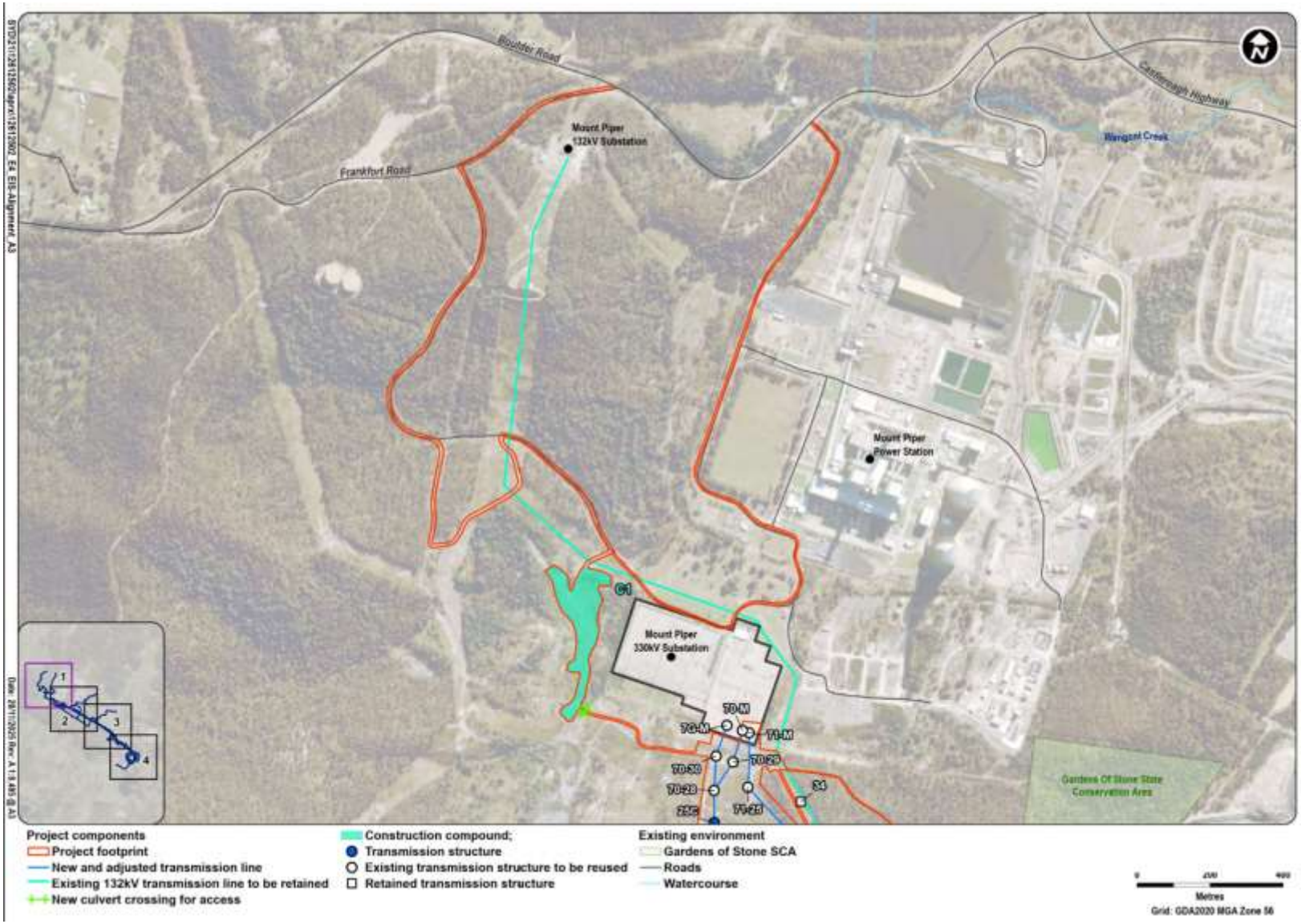


Figure 2-2 - Key Project Features

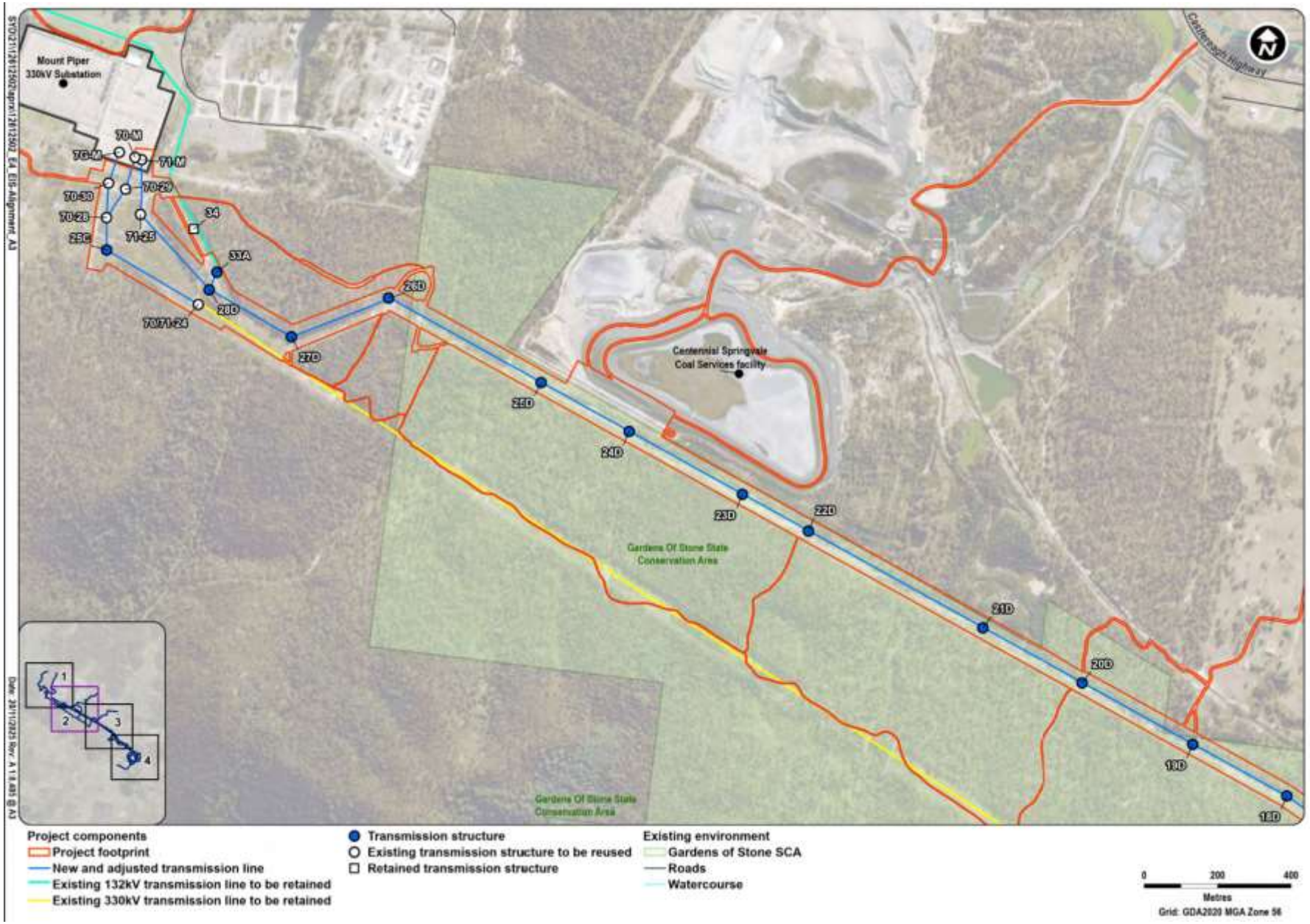


Figure 2-3 - Key Project Features

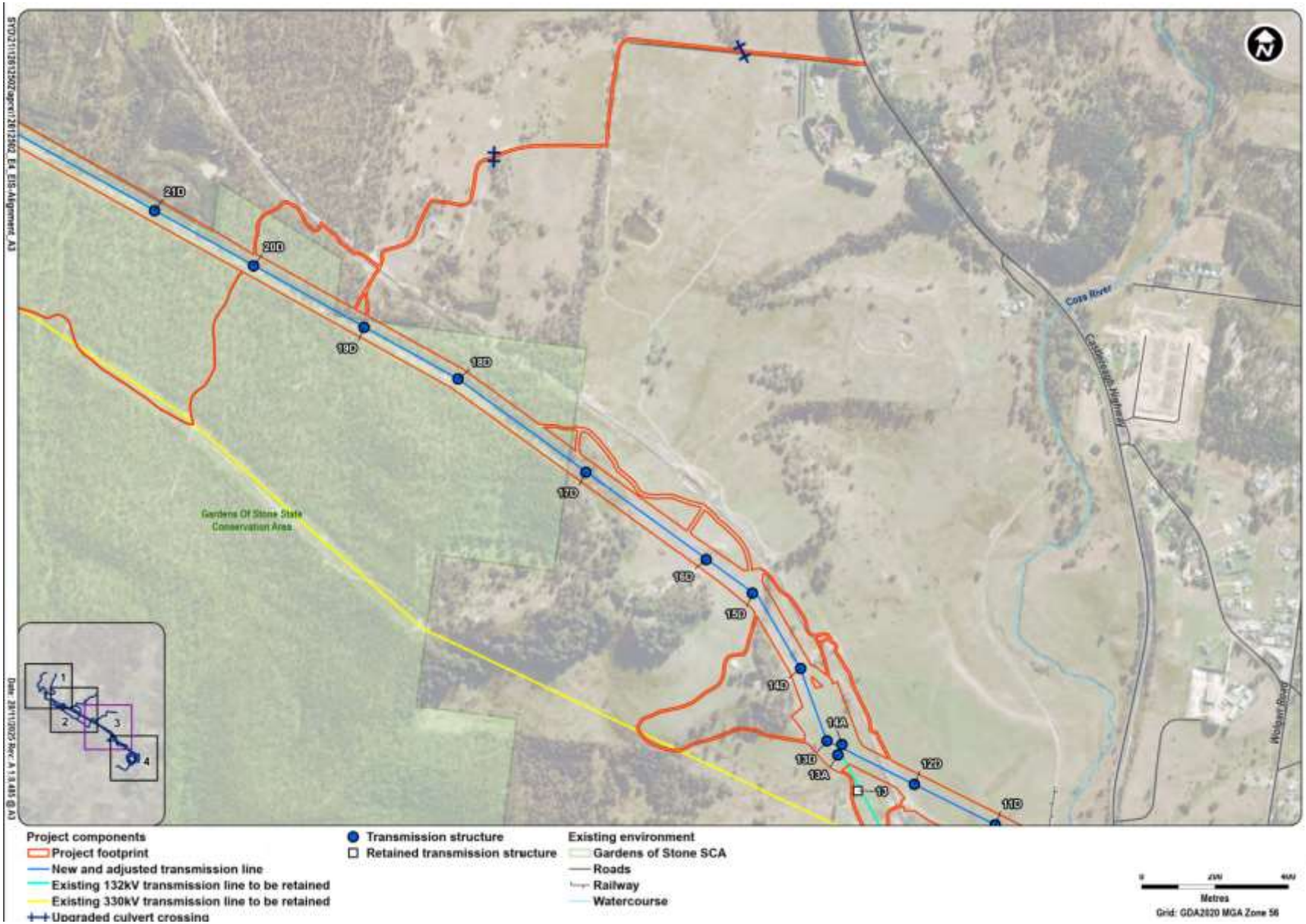


Figure 2-4 - Key Project Features

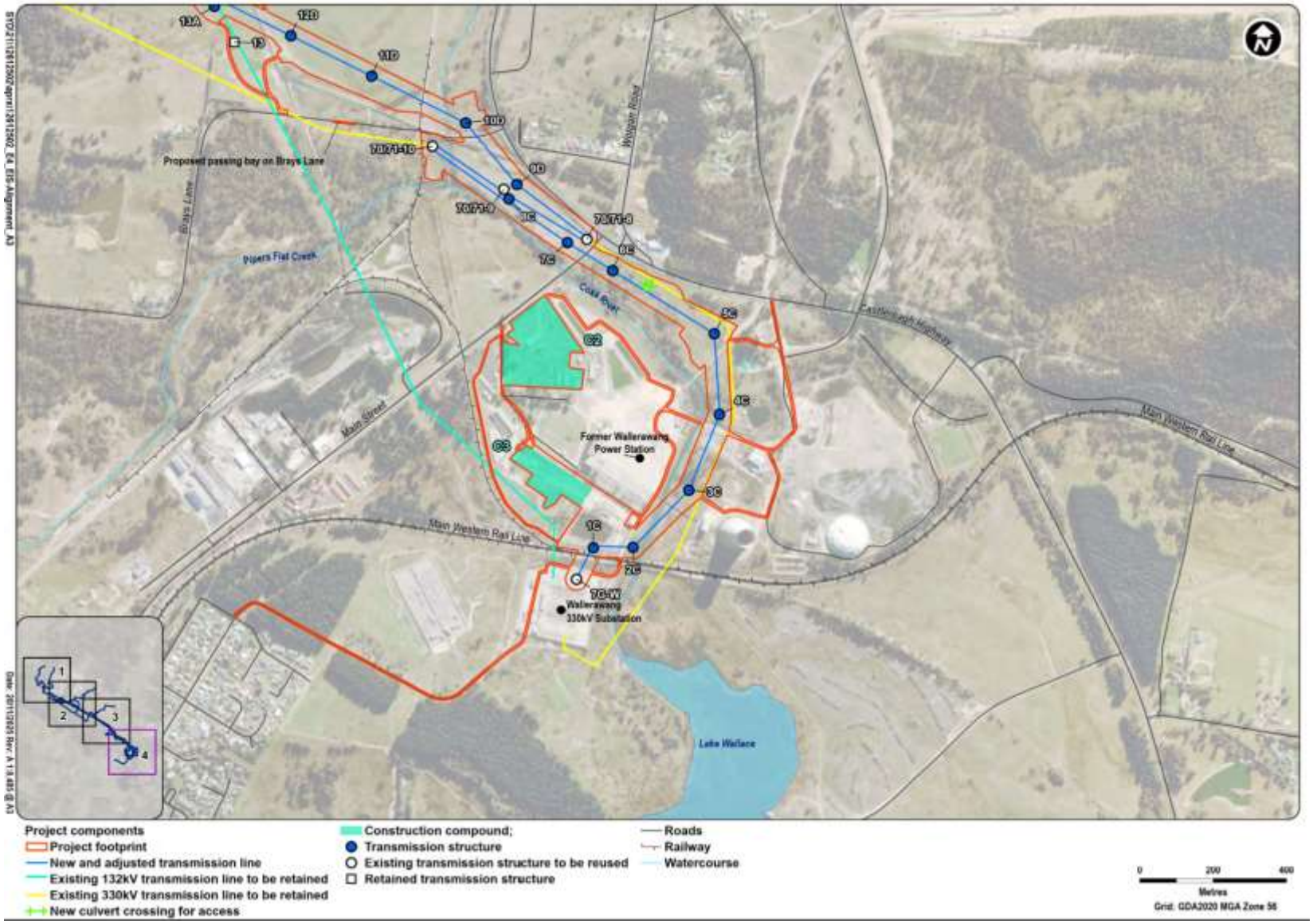


Figure 2-5 - Key Project Features

The detailed scope of the Project is provided in Table 2-2.

Table 2-2 - Detailed Scope of the Project

Activity	Description
Pre-Construction Minor Works	Pre-construction minor works including • Property Surveys • Dilapidation surveys • Investigative drilling, contamination investigations • Installation of fencing or similar to demarcate aboriginal artefact areas and threatened vegetation
Mobilisation	Once approved, the following activities may commence under this CEMP: • Site establishment and operation of construction compounds, including excavations, surface preparation, access roads, and utility connections.
Mobilisation	Access track construction/modification to allow access by construction plant and materials: • Establishment of new access tracks. • Adjustments to existing access tracks. • Relocation and adjustment of utilities. • Installation of culverts at water crossings. Note some clearing may be required in order to install access.
Vegetation clearing	Vegetation clearing and pruning is required to conduct the following: • Construction of transmission line structures • Establishment of transmission line easements • Upgrade and/or construction of access tracks • Establishment of construction compounds or other ancillary facilities • Management of hazard trees. • Establishment and maintenance of the Vegetation Clearance Requirement (VCR) for the transmission lines.
Utility connections, adjustments and protection work	Existing utilities may require movement or protection • General utility protection and adjustment works, where required, to facilitate the establishment and operation of construction compounds and other Project activities. • Protection of existing utilities/assets, for example with concrete culverts
Property adjustments	• Temporary access arrangements, including the installation or adjustment of gates and fences, may be required at some locations along the transmission line route to provide access from the nearest roadway to construction areas. • Earthing and isolation panels will be required for any metal property fences that run parallel to the transmission line within the easement or across the easement within 25 metres of the base of a transmission line structure. • Demolition or relocation of existing wooden poles, structures, and other assets may be necessary to construct the transmission lines and establish the easement. Prior to the demolition of any structure and/or building, including transmission structures, where information on materials is not already available, a hazardous materials audit will be undertaken in accordance with Australian Standard AS 2601-2001: The demolition of structures. • Temporary improvement to bridges and similar, for example temporary acrow prop supports or placement of road plates. (The latter being installed with traffic control, and only for passing of single items of plant).
Access to Towers	Access to each tower is required during construction. Access tracks must be traversable by a range of vehicles and generally fall into four categories: 1. **Existing Unsealed Roads and Tracks** – Typically council or forest tracks. May require resurfacing, cleaning of existing drains along the sides of roads, and minor works in disturbed areas at the edges of the formation. Minor pruning or trimming of vegetation may be necessary. 2. **Existing Tracks Requiring Upgrade (New or Upgraded Tracks)** – Well-established tracks with generally suitable gradients. Works may include resurfacing, widening, drain formation, and crossing upgrades.

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Activity	Description
	3. **Potentially Existing Tracks Requiring Upgrade (New or Upgraded Tracks)** – A wide variety of existing conditions, ranging from well-established sections to rarely used tracks that are barely visible. Tracks may follow gradients suitable only for light vehicles and may require significant work for construction traffic. Works may include earthworks, cut/fill, regrading, widening, windrows, temporary works, drain formation, and crossing upgrades. 4. **New Tracks** – Works involve earthworks, cut/fill, grading, windrows, temporary works, drain formation, and crossing construction. Although classified as 'new', these tracks may occasionally follow existing low-vehicle tyre or farm tracks. To facilitate efficient construction access, the following is required: • Upgrading and widening of approximately 20 km of existing access tracks to at least 6 m, with some sections widened up to 10 m due to local topography. *NOTE: Some sections of the access tracks will require widening at bends to accommodate safe vehicle turning movements and to improve drainage. Track widening will necessitate modifications to the adjoining batters both the upslope and downslope sides, to maintain stability and ensure safe operating conditions. These works may require additional vegetation clearing and associated earthworks.* • Construction of approximately 2,5 km of new 6 m wide access tracks including vegetation clearing for the tracks, installation of drainage alongside the tracks, and earthworks on both the upslope and downslope batters. • In addition to those tracks, approximately 4.3 km of existing track would be used only by light vehicles. The light vehicle tracks may require minor repairs, such as filling potholes, and grading to address any significant alterations in slope. The Project footprint would be accessed from public roads at 12 access points, with the majority of these being existing property access points. Existing access tracks would be used in preference to new tracks wherever possible. Access track upgrades and widening would include required drainage. Access points and access tracks established for the construction of the Project that are not required for future operation and maintenance activities would be returned to pre-Project conditions, subject to agreement with landowners.

Earthworks and Transmission Line Structure Footing Construction	Earthworks will be carried out to prepare tower locations and access tracks for transmission line structures. This includes excavation, cut/fill, grading, and compaction required for the construction of tower footings. All works will be undertaken in accordance with site-specific ESCP to minimise soil disturbance, erosion, and sediment runoff. Construction of tower footings and foundations includes the following activities:
	• **Piling:** Typical transmission line tower piling depths range from 4 metres up to 28 metres below ground level, depending on ground conditions (e.g., deeper piles are required in soft soils). Foundation types may vary based on detailed design and may include:
	  ○ Bored or cast in-situ piles (reinforced concrete)
	  ○ Driven or screw piles (concrete or steel)
	  ○ Micro-piles (concrete or steel)
	• **Cruciform/Mass Footings:** These are large, mass concrete foundations that typically extend across the entire base of the tower. They are generally 1–2.5 m deep and may be founded at ground level or slightly below. Reinforcement steel is incorporated within the concrete to provide structural strength.
	• **Piling and Cap Combined:** These foundations are generally used for steel poles and consist of long, cast-in-situ piles, which can extend up to 30 m deep. The piles are connected to a mass reinforced concrete cap, which is significantly larger in diameter than the pole and typically 2–4 m deep.
	• **Precast Pole Foundations:** These are piled footings similar to the cast-in-situ method described above; however, the foundation sections are precast off-site and placed into the excavated hole. Concrete is then poured around the precast section to fill the gap between the precast concrete and the edges of the excavation, ensuring stability and structural integrity.
	• **Excavation and Benching:** Stepped ground excavation (benching) is undertaken where required to provide a level platform for equipment setup, tower assembly and erection, and

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Activity	Description
	other construction activities. Benching is constructed using earthmoving equipment such as graders and excavators. All activities will be conducted in accordance with site-specific environmental and safety controls to minimise soil disturbance, erosion, and risk to surrounding areas.
Assembly of Transmission Line Structures	Transmission line towers are typically assembled in sections on the ground and then hoisted or lifted into place using cranes. The towers include infrastructure such as step bolts, climbing attachment plates, ladders, platforms, climbing barriers, identification plates, warning plates, and other fixtures required for the attachment of earth wires and insulators. All assembly works will be conducted in accordance with site-specific safety and environmental protocols.
Stringing of the Transmission Lines	Following the erection and securing of each tower, the transmission line will be strung. This will require insulators to be hung on the tower to attach the conductor to. The first step is to run a lightweight rope between the towers, this is generally by hand with the assistance of vehicles or using a line-stringing drone. Brake and winch sites are then set up at either end of the intended pull. These are normally set back by between 1 and 2 tower heights from the first and last towers in the pull section. These brake and winch sites are cleared of vegetation and often have earthworks to level them and access tracks constructed to them. The lightweight rope is then replaced with a stronger wire, for use later pulling the conductor. Each tower site will require adequate space for tower assembly and stringing activities. Towers that facilitate a change in transmission line direction will require a larger area to accommodate brake and winching sites. The transmission line will be strung across multiple spans. A similar methodology will be applied when stringing across major roads and railway lines to ensure safe and controlled installation. A similar methodology is also used to install the landing spans. These are the conductors that are installed from the last tower to the gantry or poles inside the substation.
Testing and Commissioning	Testing and structure checks would form part of the final construction and installation work. These activities would ensure the Project has been installed in accordance with the design and statutory standards and is safe to proceed to commissioning which would include, but not be limited to: • Visual and mechanical checks of the steelwork connections • Visual and electrical checks of the conductor connections. High voltage equipment operation and energisation • Earthing checks. Checks the resistance from the tower to the ground, this can require the installation of some additional copper cable or strap from the tower legs for a short distance (often 20m). • Protection, control and metering checks (performed inside the substation) Post-Commissioning Testing and Verification: Verification testing will be conducted following commissioning. This includes checking the thermal imagery of the conductor and connections when energised. This also includes checking the earthing and isolation of nearby fences and other metallic objects meets the requirements.
Demobilisation and Rehabilitation	Upon completion of the construction works, all construction equipment, temporary fencing and waste would be removed. Stockpiled excess material including spoil, will first be spread and compacted across the disturbed areas, followed by the placement of topsoil. All disturbed areas will be rehabilitated to a stable, weed-free condition, unless designated as a permanent access track. This rehabilitation process includes spreading the topsoil, which was cleared and stockpiled at the start of construction, to stabilise the area and allow natural regrowth to occur. A sterile fast-growing seed e.g. Japanese Millet would be used to stabilise and bind the soils initially and allow the slower growing native grasses existing within the soil to germinate and grow.

Typical key plant, materials, vehicles and equipment that would be used during construction include:

- Bobcats/Skid steer
- Bulldozer
- Chainsaws
- Cranes
- Drill Rig
- Elevated Work Platforms
- Excavators
- Utility Vehicles and trailers
- Graders
- Handheld tools
- Pole Jinker
- Rollers
- Slashers
- Telehandlers
- Trucks
- Concrete agitators
- Piling Rigs
- Bog Matt
- Road plates
- Concrete Pump
- Water Cart
- Lighting Towers
- Generators
- Vacuum trucks

All plant and equipment used on site, or in connection with the development, must be maintained in a proper and efficient condition and operated in a proper and efficient manner.

2.6 Timing of Activities

The potential noise impacts from the Project have been assessed against the Interim Construction Noise Guideline (ICNG) (2009) issued by EPA Construction Noise Management Levels (CNML) for daytime, evening and nighttime periods. The Project construction hours include the ICNG standard construction hours (7am-6pm Monday to Friday; 8am-1pm Saturday) and some out of hours (OOHW) construction periods for which approval is required to be obtained prior to commencing works. The normal site working hours are from 7 am to 6 pm Monday to Friday and 8am to 1pm Saturday.

The OOHW construction periods are provided in Table 2-3 below:

Table 2-3 - OOHW Construction Periods

Project construction work hours	OOHW Period	OOHW working hours
Additional OOHW hours – (as a result of power outages, outage recalls, rails shutdown periods, local road closure licence requirements)	Period 1 – Evening	• 6pm to 10am Monday to Saturday
	Period 2 - Night	• 10pm to 7am Monday to Saturday • 6pm to 7am Sunday and public holiday

The need for evening or night work would be driven by constraints such as outage recalls by the network operator, rail corridor shutdown periods scheduled by the rail operator and road closure licence requirements from the local road authority. In accordance with Condition B2 of CoA, the following activities may be carried outside the hours normal working hours:

(a) the delivery or dispatch of materials as requested by the NSW Police Force or other public authorities for safety reasons;

(b) emergency work to avoid the loss of life, property or prevent material harm to the environment;

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(c) development activities carried out in accordance with the hours and noise limits specified in any negotiated agreements with sensitive receivers (owners and occupiers), provided the negotiated agreements are in writing and finalised before the commencement of the development activities;

(d) activities that do not result in noise affected sensitive receivers, as defined in Interim Construction Noise Guidelines (DECC, 2009) (or its latest version);

(e) road upgrades required by the relevant road authority to be undertaken outside the standard construction hours;

(f) where a rail authority requires a rail possession for the activities to be performed outside of standard construction hours;

(g) pre-construction minor works, construction and or upgrading that require a network outage on another distribution or transmission network, and the operator of the network requires the outage and associated works outside standard construction hours;

(h) where different hours are permitted or required under an EPL in force in respect of the development; or

(i) pre-construction minor works, construction and or upgrading works carried out in accordance with an Out-of-Hours Work Protocol in accordance with condition B11.

The Construction Noise and Vibration Management Plan including an OOHW protocol has been prepared by Zinfra to mitigate and manage noise impacts from OOHW. The OOH Protocol will apply to all planned OOHW.

2.6.1 Project Program

In accordance with Condition C10 of CoA, Transgrid will notify the Department, in writing, prior to the date of commencement of each of the following development phases:

(a) commencement of pre-construction minor works under the approval;

(b) commencement of construction under the approval;

(c) commencement of operations under the approval;

(d) completion of decommissioning of the development.

If the phases of the development are to be further staged, the Department will be notified, in writing, prior to the commencement of each stage, noting the date of commencement and the development to be carried out in that stage.

In accordance with EPBC Approval Condition 7, Transgrid will notify the Commonwealth Department of Climate Change, Energy, the Environment and Water (DCCEEW – Cth) electronically of the date of commencement of the Action, as defined under EPBC Approval 2024/09855, within 5 business days following commencement of the Action.

Construction of the Project would commence once all necessary approvals are obtained. In accordance with CoA, Zinfra will not commence construction until this plan is approved by the Planning Secretary. It is anticipated that construction would commence around October 2026. Pre-construction Minor works are anticipated to commence in September 2026.

Construction would be undertaken over a period of approximately 20 months. Key activities and their indicative durations are outlined in Table 2-4 below, noting that some activities may be overlapping. Detailed timing of the construction activities would be confirmed once the Project is approved and meets requirements of relevant third parties, prior to construction commencing. It is to be noted that these dates are indicative only and any changes to this programme would not require an update to this CEMP.

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Table 2-4 - Program of Works



Program dates and timing as shown above are subject to change. These are dependent on item such as approvals of this CEMP, weather conditions, unexpected in ground conditions, availability of outages in the transmission network and other operational factors.

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3. COMMUNITY AND STAKEHOLDER ENGAGEMENT

A dedicated Community Communication Strategy (CCS) is developed for this Project in accordance with REMM S1. The plan sets out the processes for communication and engagement between Zinfra, Transgrid and the community, ensuring that interactions with landholders, government agencies, stakeholders and community members are transparent, consistent and responsive throughout construction.

In accordance with REMM S1, the CCS will ensure that

- accurate and accessible information about the project is provided
- feedback from the community is encouraged
- opportunities for input are provided
- community members and stakeholders with the potential to be affected by construction activities are notified in a timely manner about the timing of activities and potential for impacts
- enquiries and complaints are managed, and a timely response is provided for concerns raised.

The aims and outcomes of the CCS will be reviewed and monitored to ensure effectiveness and that the CCS adapts to any specific and changing circumstances.

Communications and engagement activities will include approaches and protocols to:

- communicate with potentially affected residents, other community members, businesses and other key stakeholders to provide information about the project, and the likely nature, extent and duration of changes during construction
- share information about the project with other regional stakeholders to assist with managing cumulative impacts on local and regional communities.

In accordance with Conditions A23 and A24 of CoA, The CCS will

- provide mechanisms to facilitate communication between the Proponent and the community, including adjoining affected landowners, during construction.
- identify landowners and potentially impacted receivers;
- ensure that the landowners identified in (a) are consulted during construction;
- set out procedures and mechanisms for the regular distribution of information;
- establish a public liaison officer(s) to engage with the local community; and
- set out procedures and mechanisms:
    i. through which the community can discuss or provide feedback to the Proponent;
    ii. through which the Proponent will respond to enquiries or feedback from the community; and
    iii. to resolve any issues and mediate any disputes that may arise in relation to construction of the development.

The CCS will be implemented for the duration of pre-construction minor works and construction and for 12 months following the completion of construction.

3.1 Engagement Institute Spectrum of Public Participation

The Engagement Institute engagement framework will be used to guide all engagement activities throughout the life of the project. This will ensure this engagement strategy is aligned with international engagement standards. This framework helps establish the role of community and other stakeholders in the engagement process. The level of engagement will vary depending on stakeholder influence/impact.

Public participation for the Mount Piper to Wallerawang Transmission Line Upgrade Project will range from informing community about the Project to consulting and/or involving them in decisions about key aspects of the Project.

Figure 3-1 provides an overview of the levels of engagement, which can support recommended approaches to engagement for each stakeholder.

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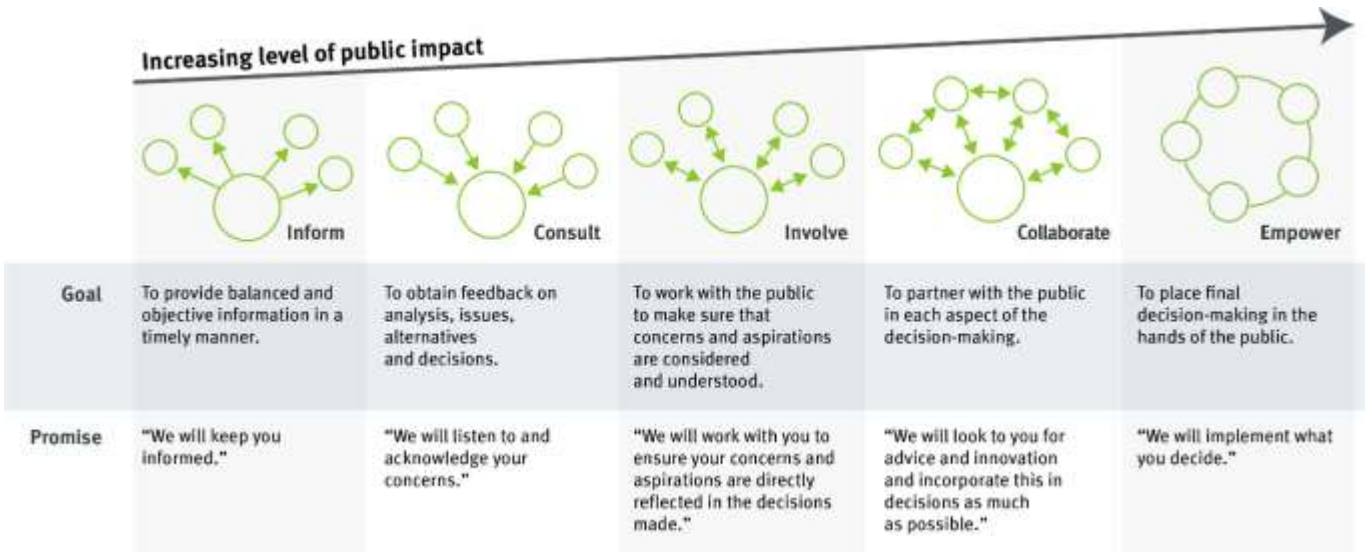


Figure 3-1 - The Engagement Institute's Spectrum of Public Participation

3.2 Engagement and communication approach

In alignment with REMM S1, communications and engagement activities will include approaches and protocols to communicate with potentially affected residents, other community members, businesses and other key stakeholders to provide information about the project, and the likely nature, extent and duration of changes during construction. The overarching approach is detailed in this section.

To support the delivery of this project, we will undertake a three-stage engagement approach. Figure 3-2 illustrates the engagement approach which is broken down in detail below.



Figure 3-2 - Engagement Approach

3.3 Complaints handling and dispute resolution

Where a community complaint or a dispute is received which is related to the Project, the Project Engagement Lead will coordinate a timely response and ensure measures are taken to mitigate the risk of future complaints where possible. Where the matter relates to a Condition of Approval that sets out a specific dispute resolution process, it will also be managed in accordance with that condition and the relevant Management Plan (refer to Condition-specific dispute resolution below). Below is a short summary of the approach to the management and resolution of complaints.

Complaints will be managed in accordance with the CCS and the Complaints Handling Protocol. In responding to complaints, Zinfra will record details of every complaint received in the Salesforce database within 1 business day of receipt and describe how it was managed and closed out or, if the complaint remains under investigation, note the timeframe for resolving the complaint.

- The following information will be recorded in the complaints register:
  - Date of complaint
  - Time received
  - Channel complaint received (i.e. email)

- Contact details of complainant (i.e. telephone number)
- Name of complainant
- Property number or name (if relevant)
- Address of complainant
- Complaint details
- Response
- Actions taken and by which responsible party
- Date that the complaint was closed

Personal information that identifies individuals will only be disclosed or used by Zinfra or Transgrid as permitted under the relevant privacy laws, secrecy provisions and any relevant confidentiality obligations. A stakeholder's contact information along with their complaint will be recorded for the purposes of addressing their complaint. If they wish to remain anonymous, the complaint will be registered as an 'Anonymous' stakeholder for record keeping and reporting purposes. In accordance with CoA C2, the complaints register will be submitted to the Planning Secretary upon request.

The CCS identifies the procedures and mechanisms through which the community can discuss the Project, provide feedback, receive responses to enquiries, and have issues or disputes managed and resolved during construction. These channels will be available through pre-construction, construction and post construction for a period of 12 months.

At each stage of the enquiry, complaint and dispute process staff should:

- Look to respond and close the enquiry
- Record progress, findings, access commitments, landowner commitments, updated contact details in Salesforce.
- Provide regular updates to enquirer of progress

In accordance with Condition C2(b), contact details for receiving enquiries and complaints will be communicated to surrounding businesses, landowners and community members to ensure stakeholders are aware of the available channels to raise concerns and seek information. In accordance with Condition C2(a) and Condition A23(f)(i), community and stakeholders can make an enquiry or complaint through the following channels:

- Via the Community Information Line (1800 560 608)
- Via the project's community email address (MtPipertoWallerawang@Zinfra.com.au)

These details will be shared with local residents, surrounding businesses and community members via letterbox drops to nearby streets, project communications and stakeholder notifications. The details will also be made available to Lithgow City Council to enable timely referral of enquiries or complaints to the Zinfra Project Engagement Lead.

Zinfra has developed a Complaints Handling Protocol in accordance with Condition C2 for managing community complaints and is provided in Figure 3-3 below.

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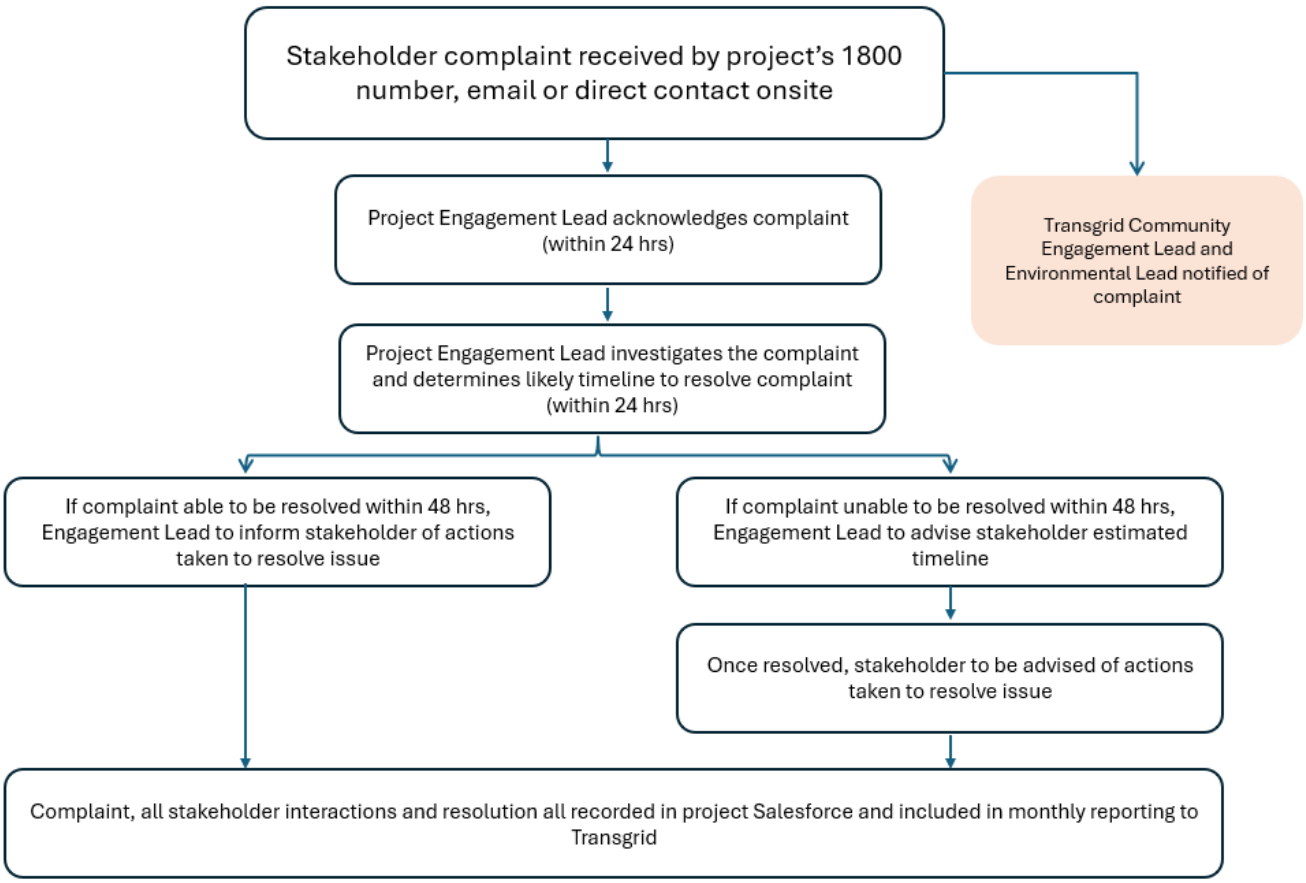


Figure 3-3 – Complaints Handling Protocol

In accordance with Condition A23(f)(iii), where a complainant is not satisfied with the action taken to resolve their complaint, the matter will be escalated in accordance with Section 11.2.1 of the CCS. The escalation steps include:

- an invitation to meet with the Project Director
- agreement on a revised resolution plan
- further escalation to Transgrid, which may offer mediation with an independent facilitator

Where a dispute cannot be resolved, DPHI may investigate. Where requested by the Planning Secretary, the ER will assist in resolving the community complaint in accordance with Condition A12(g). Complainants who remain dissatisfied may also contact the Energy & Water Ombudsman NSW (EWON).

Several Conditions of Approval establish a specific dispute resolution process, under which either party may refer the dispute to the Planning Secretary for resolution. These disputes are managed under the relevant sub-plan, as follows:

- CoA B33 (road upgrades): Disputes about the road upgrade works, or the implementation of those works, are managed through the Traffic and Transport Management Plan (TTMP).
- CoA B34 (road maintenance): Disputes about road maintenance works, including dilapidation surveys and road repairs, or the implementation of those works, are managed through the TTMP.
- CoA B36 (Gardens of Stone State Conservation Area trail upgrades): Disputes about the scope of the Project-related trail upgrades, or the implementation of those works, are managed through Section 8.5 of the Soil and Water Management Plan (SWMP). Under the SWMP, the trail works are undertaken in consultation with NPWS and to its satisfaction.

Where a dispute under these conditions cannot be resolved between the parties, it may be referred to the Planning Secretary for resolution. The referral will be supported by records of consultation, the matters in dispute, the actions taken to seek resolution and any relevant technical information. The Planning Secretary's determination will be implemented through the relevant sub-plan and Project controls.

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Where the matter was raised as a community or stakeholder complaint, it will continue to be recorded, tracked and closed out under the CCS and Complaints Handling Protocol. The resolution of the underlying issue, and any referral to the Planning Secretary, will follow the requirements of the relevant Condition of Approval and sub-plan.

3.4 Access to Information

In accordance with Condition C18 of the CoA, Transgrid will ensure that prior to the commencement of Work under this approval until the completion of all rehabilitation required under this approval, the following information and documents must be publicly available on the development website when they are obtained, approved or as otherwise stipulated within the conditions of this approval:

(a) the documents listed in Schedule 1 Table 1 of this approval;

(b) all current statutory approvals for the development;

(c) all approved environmental management documents required under the conditions of this approval;

(d) the staging report for the development, if the development is to be staged;

(e) a summary of the current stage and progress of the development;

(f) contact details to enquire about the development or to make a complaint;

(g) a complaints register, updated monthly;

(h) audit reports prepared as part of any Independent Environmental Audit of the development and the Proponent's response to the recommendations in any audit report;

(i) any other matter required by the Planning Secretary; and

(j) keep such information up to date.

Where the information / document relates to a particular work or is required to be implemented, it must be published before the commencement of the relevant work to which it relates or before its implementation.

3.5 Visual Appearance

In accordance with Condition B38 of the CoA, Zinfra will take reasonable steps to minimise the visual impacts of the development. Zinfra will also not mount any advertising signs or logos on site, except where this is required for identification or safety purposes.

In accordance with Condition B39 of the CoA, Zinfra will take all reasonable steps to minimise the off-site visual impacts of the development and ensure that any external lighting associated with the development is installed as low intensity lighting (except where required for safety or emergency purposes); does not shine above the horizontal; and complies with *Australian/New Zealand Standard AS/NZS 4282:2019 – Control of Obtrusive Effects of Outdoor Lighting.*

The removal of existing trees and vegetation will be minimised in the detailed design and construction as much as practicable to retain as much natural bushland character as possible. Trees with high associated conservation value will be identified to be retained and protected where practicable.

Temporary and permanent access tracks will be designed to minimise the removal of existing vegetation and minimise any landform changes to reduce the overall landscape character and visual impacts. Opportunities to plant screening vegetation to minimise impacts on VP06 will be investigated in consultation with affected landowners.

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4. ENVIRONMENTAL MANAGEMENT FRAMEWORK

4.1 Relationship to Existing EMS

Zinfra's Environmental Management System (EMS) is certified to AS/NZS ISO 14001:2015. The EMS is implemented through the following key steps:

- Appointment of personnel responsible for environmental coordination
- Identification of interactions between construction activities and the environment
- Understanding the environmental context of the Project and the needs and expectations of relevant interested parties
- Identification and assessment of environmental risks and opportunities associated with activities, aspects and compliance obligations.
- Identification of actual and potential environmental impacts
- Identification of applicable legal and regulatory requirements and other compliance obligations
- Establishment of environmental objectives, targets, and programs documented within appropriate management plans, strategies, procedures and protocols
- Development and implementation of environmental management controls and processes to address identified risks, impacts and compliance obligations
- Provision of appropriate environmental training, competency and awareness to personnel
- Communication and engagement with relevant internal and external stakeholders
- Monitoring, inspection, and measurement of performance against objectives
- Review of system effectiveness and environmental performance
- Ongoing improvement of environmental performance

For the Project, the requirements of Zinfra's EMS are applied through the Project-specific environmental management framework established by this CEMP. In accordance with Condition C1(a), this CEMP provides the strategic framework for environmental management of the Project and establishes the overarching requirements for managing environmental risks and impacts during construction.

The CEMP translates the requirements of Zinfra's EMS, together with the Project's environmental assessment, Conditions of Approval, applicable statutory and regulatory requirements, and relevant Transgrid requirements, into Project-specific environmental management requirements. The CEMP is supported by a suite of environmental management plans, strategies, procedures and protocols, which provide the detailed controls and processes for managing specific environmental aspects and risks.

4.2 Relationship with other Project Documents

ThIs CEMP long with the suite of documents prepared in accordance with the Infrastructure Approval identify the controls that will be implemented during construction to minimise harm to the environment, as required under CoA A1. These documents have been prepared in response to project specific environmental requirements and in accordance with CoAs and REMMs. They address the measures identified in the environmental assessment documentation and Project Approvals. The subplans are to be read and implemented in conjunction with this CEMP.

Figure 4-1 provides an overview of how the CEMP interacts with its sub-plans, and other management documents that form the CEMP framework for the Project.

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Table 4-1 - CEMP sub-plans with consultation parties

CEMP sub-plan	Consultation requirements	Approval requirements
Noise and Vibration Management Plan (NVMP)	Lithgow City Council and EPA	Approval of the Planning Secretary required prior to the commencement of construction (B11).
Soil and Water Management Plan (SWMP)	Lithgow City Council, Conservation Programs, Heritage and Regulation (CHPR), WaterNSW and Water group within Department of Primary Industries (DPHI)	Approval of the Planning Secretary required prior to the commencement of construction (B19)
Biodiversity Management Plan (BMP)	CPHR, National Parks and Wildlife Services (NPWS)	Approval of the Planning Secretary required prior to impacting biodiversity values (B24)
Aboriginal Cultural Heritage Management Plan (ACHMP)	Registered Aboriginal Parties, Heritage Council of NSW.	Approval of the Planning Secretary required prior to impacting heritage (B27)
Historic Heritage Management Plan (HHMP)	Lithgow City Council, Heritage Council of NSW	Approval of the Planning Secretary required prior to impacting heritage (B26)
Waste Management Plan	Lithgow City Council and EPA.	For the information of the Planning Secretary required prior to the commencement of construction (B51)
Traffic and Transport Management Plan (TTMP)	Transport for NSW (TfNSW), NPWS, and Lithgow City Council.	Approval of the Planning Secretary required prior to the commencement of construction (B35)
Emergency Plan	NSW Rural Fire Service (NRFS), Fire and Rescue NSW (FRNSW), NPWS	For the information of the Planning Secretary required prior to the commencement of construction (B46)
Bushfire Management Plan (Appendix of the Emergency Plan)	FRNSW, RFS	For the information of the Planning Secretary required prior to the commencement of construction (B45 and B46)
Flood Risk Management Plan (FRMP) (Appendix of the TTMP)	NSW State Emergency Service (SES)	For the information of the Planning Secretary required prior to the commencement of construction (B19, B35 and B46)
Rehabilitation Management Plan (RMP)	NPWS	For the information of the Planning Secretary required within 6 months of the commencement of construction (B54)
Community Communication Strategy	N/A	For the information of the Planning Secretary required prior to the commencement of work (A23)
Accommodation and Employment Strategy	Lithgow City Council	For the information of the Planning Secretary required prior to the commencement of construction (B52)

Other Project documentation that will interface with the CEMP to ensure the environmental requirements of the Project are met includes safety plans, Project management plans, construction plans, Project induction presentations, and design reports.

As part of Zinfra's Project Management System, a range of corporate procedures, standards, and Project-specific documents inform the development, implementation, and ongoing management of this CEMP and its associated sub-plans. These documents provide the framework for environmental risk management, compliance with legislative and client requirements, and alignment with industry best practice.

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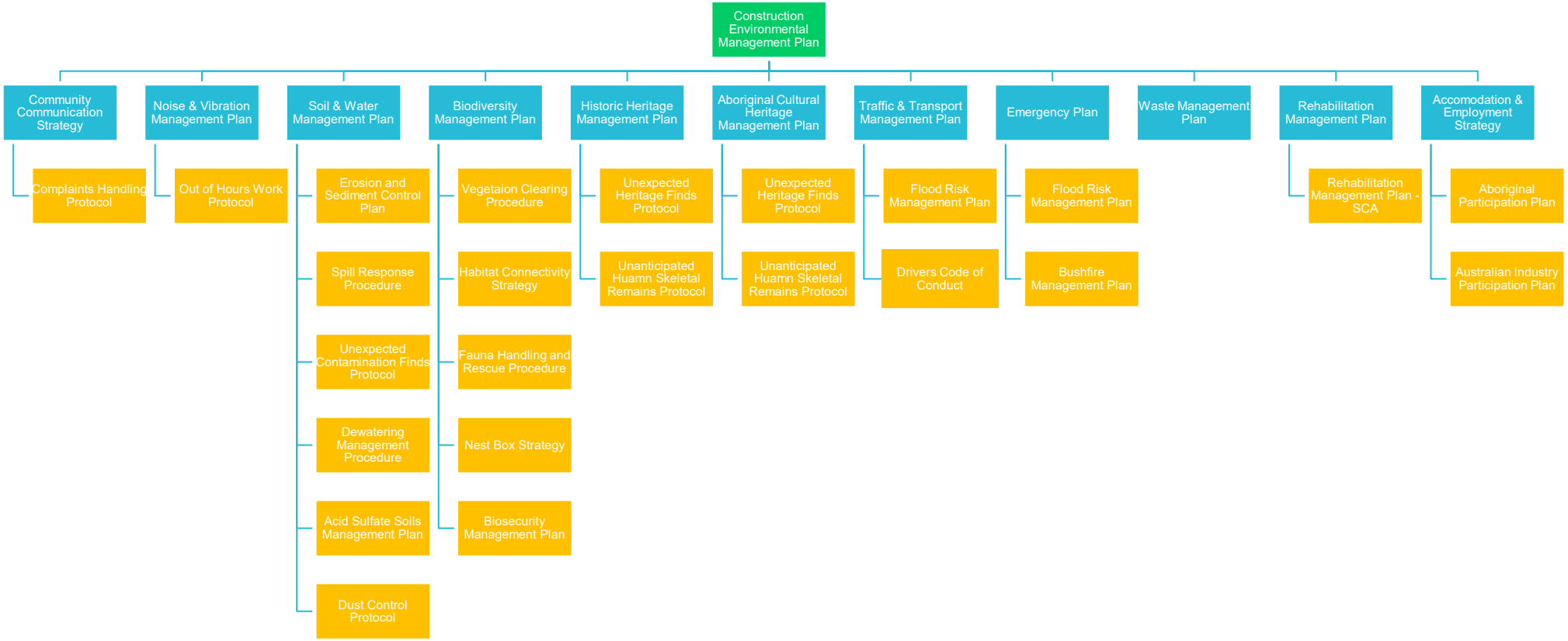


Figure 4-1 - CEMP and associated CEMP sub-plans

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4.3 Environmental Management Structure and Responsibilities

The Zinfra Environmental Organisational Structure for the Project is shown in Figure 4-2. It shows the Zinfra Project roles with environmental responsibilities under this CEMP and their reporting lines. It also shows the interfaces between Zinfra and Transgrid (as Proponent). This structure defines key environmental roles and reporting pathways necessary to ensure compliance, provide oversight, and support the effective implementation of environmental controls across the Project. Roles described in Table 4-2 that sit outside the Zinfra reporting structure are explained in Section 4.3.1.

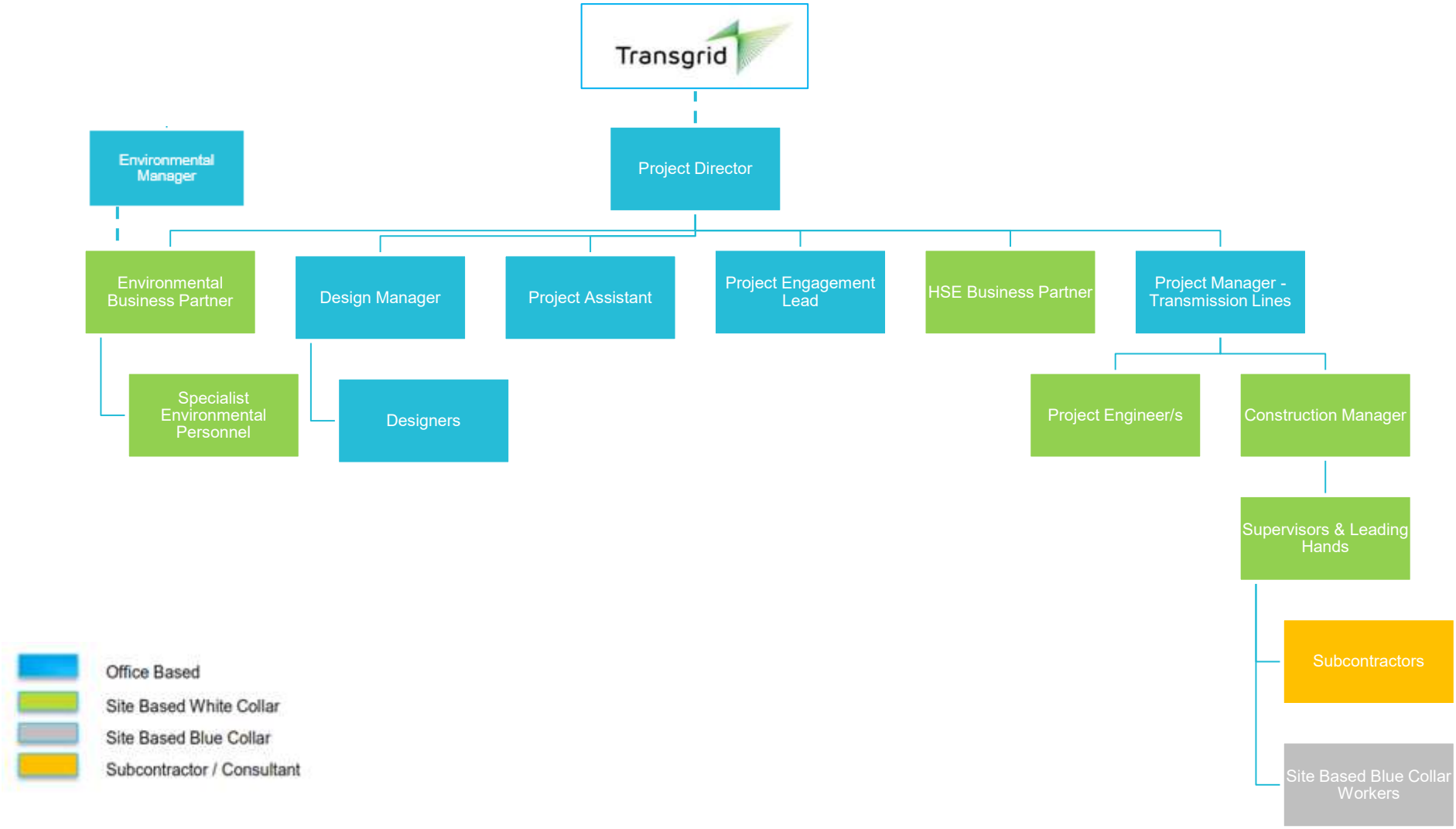


Figure 4-2 – Project Environmental Organisational Structure

4.3.1 Key Roles and Responsibilities

Table 4-2 sets out the environmental responsibilities, accountabilities and authorities of all key personnel involved in environmental management of the Project, as required by Condition C1(d). The roles in Table 4-2 can be categorised as follows.

Zinfra Project team

These roles are shown in Figure 4-2 and form the Zinfra delivery structure. The Project Director is accountable for the Project overall. The Project Manager, Design Manager, Environmental Business Partner (Environmental BP), HSE Business Partner, Project Engagement Lead and Project Assistant report to the Project Director with the Project Engineer/s and Construction Manager reporting to the Project Manager. Designers report to the Design Manager. Supervisors and Leading Hands report to the Construction Manager. Subcontractors are engaged and directed under the Construction Manager. The site-based workforce comprises all Zinfra and subcontractor field personnel and works under the direction of Supervisors and Leading Hands.

The Environmental BP is the Project-level point of contact and remains responsible for the CEMP and sub-plans. The Environmental Manager provides advice, peer review and escalation support to the Environmental BP and the Project Director. The Environmental Manager role has no delegated responsibilities under the sub-plans, which explains why it doesn't appear in them.

Visitors and delivery drivers do not form part of the Project structure but must be inducted or escorted by inducted personnel (Section 4.5.1).

Specialist environmental personnel

The Project Ecologist and other suitably qualified specialists are engaged by Zinfra to provide technical input that requires specific qualifications. They include heritage specialists, archaeologists, Certified Professionals in Erosion and Sediment Control (CPESC), acoustic specialists and contamination specialists. Their engagement is coordinated by the EBP, and they are shown as a single group under the EBP in Figure 4-2. Their specific responsibilities are set out in the relevant sub-plans.

Transgrid roles.

Transgrid is the Proponent and approval holder and has appointed Zinfra as Principal Contractor. Transgrid roles are not part of the Zinfra reporting structure. They are included in Table 4-2 because some approval obligations, notifications and submissions can only be made by the Proponent. The Zinfra Project Manager is the primary contractual interface with the Transgrid Project Manager, including immediate notification of incidents, non-compliances and complaints (Section 4.15.1). The Zinfra Environmental BP is the working environmental interface with the Transgrid Environmental BP and provides the information Transgrid needs to make statutory notifications and reports, including non-compliance notifications (Section 4.15.5) and incident notifications and reports (Sections 4.15.2 and 4.15.3).

Independent and regulatory roles

The Environmental Representative (ER) and the Independent Environmental Auditor are independent of the design and construction of the Project. They are engaged by, or through, Transgrid and report on compliance independently of the Zinfra structure (Sections 4.3.2 and 4.14). The Planning Secretary / DPHI is the approval authority and receives statutory notifications, reports and submissions through Transgrid. These roles are included in Table 4-2 so the CEMP describes all key parties involved in environmental management, as required by Condition C1(d).

Table 4-2 - Roles & Responsibilities

Role	Responsibilities
Zinfra Project Director	• Accountable for ensuring Zinfra's Environmental Management System, standards and this CEMP are applied to the Project. • Review and endorse Project environmental management plans and subsequent updates. • Lead the Project to achieve required environmental outcomes and maintain effective relationships with Transgrid, regulators, stakeholders, the Project team and subcontractors.

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Role	Responsibilities
	• Ensure an effective environmental risk-management framework is implemented and environmental risks are identified and managed. • Ensure the Project is adequately resourced and that Project personnel and subcontractors have appropriate environmental awareness, proficiency and competency. • Ensure scope, program, variation and new-work changes are communicated so environmental implications can be assessed. • Ensure all Project personnel receive required environmental induction and training. • Authority to allocate Project resources, endorse environmental management documentation and direct Project management action necessary to meet environmental requirements.
Zinfra Project Manager	• Accountable for day-to-day implementation of the CEMP and management of environmental matters under the contract. • Ensure environmental harm is prevented or minimised and non-compliances are resolved as far as practicable. • Notify Transgrid of environmental harm, incidents and non-compliances within the required timeframes. • Ensure environmental incidents and non-compliances are investigated, corrected and supported by practicable preventative actions. • Initiate incident investigations promptly and determine the investigation scope, team composition and reporting requirements based on actual and potential severity. • Enter, or ensure entry of, incidents into OMNIA within 24 hours and ensure actions are tracked to completion. • Report environmental performance to Transgrid at least monthly and provide the information required for statutory notifications and reports. • Regularly review environmental performance, intervene where performance is inadequate and ensure agreed controls and corrective actions are implemented within assigned timeframes. • Ensure formal environmental inspections are carried out at least weekly while works are occurring. • Analyse monitoring exceedances with the Environmental Business Partner and ensure appropriate investigation, corrective and preventative action. • Arrange environmental approvals, licences, permits and exemptions not obtained by Transgrid but required for the Project scope. • Ensure relevant environmental expectations, approval requirements and newly identified risks are communicated to Project personnel. • Ensure required personnel, visitors and contractors complete the appropriate induction before commencing activities on site. • Facilitate regulator visits, inspections and audits and coordinate timely close-out of findings. • Maintain Transgrid awareness of complaints, environmental outcomes, action timeframes and schedule implications. • Participate in inspections, audits, risk reviews and environmental meetings as required. • Authority to stop or modify work, allocate resources, assign corrective actions and timeframes, and escalate matters to Transgrid, the Environmental Representative or regulators where environmental compliance or harm is at risk.
Zinfra Construction Manager	• Accountable for effective environmental management of construction and subcontractor activities. • Understand and support the CEMP, sub-plans, approvals and environmental duty-of-care requirements. • Maintain frequent contact with site teams, supervisors, engineers, the Environmental Business Partner and Project Manager on environmental matters. • Communicate new or relevant environmental issues and provide feedback when performance outcomes are not being met. • Monitor general environmental performance and promptly advise the Project Manager and Transgrid of incidents and non-compliances.

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Role	Responsibilities
	• Prevent or mitigate environmental harm, including stopping work and obtaining HSE or environmental support where required. • Schedule work with regard to weather and other environmental risk factors. • Provide resources and support required to establish, maintain and improve environmental controls. • Participate in environmental meetings, inspections, audits and incident investigations and review incident reports. • Review reports and audit findings and ensure non-compliances and improvement actions are closed out promptly. • Lead daily pre-start briefings at the start of each shift, or delegate this function, and ensure significant changes to work activities are communicated. • Determine environmental pre-start topics with the Environmental Business Partner. • Deliver environmental toolbox talks where assigned and reinforce environmental standards and training requirements. • Authority to direct construction personnel and subcontractors, stop or reschedule activities, require additional controls, and allocate construction resources needed to prevent environmental harm or achieve compliance.
Environmental Manager	• Support the development, review and approval of the CEMP, sub-plans, procedures and environmental work instructions. • Provide strategic environmental advice to the Project Director, Project Manager and Project team on obligations, risks and compliance requirements. • Interpret approval conditions, permits, licences and legislation and advise how those requirements are to be implemented. • Support escalation and resolution of complex environmental, approval and regulatory issues. • Authority to provide technical direction on environmental compliance and recommend changes to plans, controls, work methods and resourcing.
Environmental Business Partner	• Responsible for implementing the CEMP and sub-plans and coordinating environmental management across Project activities. • Finalise required environmental documents and approvals for site activities and facilitate review and revision of environmental management documents. • Undertake environmental inspections and compliance reporting in accordance with approvals, including weekly site inspections and pre- and post-rainfall inspections with Site Supervisors where required. • Develop and maintain site-specific Environmental Control Maps where work may interact with environmentally sensitive areas or the Project boundary. • Develop or review EWMS and related environmental forms, procedures, registers, checklists and work instructions. • Maintain required environmental registers, monitoring records, inspection records, compliance evidence and environmental management documents. • Coordinate environmental induction, targeted training and awareness; prepare toolbox content; update induction material when requirements change; and maintain training records. • Carry out frequent inspections and observations, assess work areas and controls, identify deficiencies and coordinate immediate or timely rectification. • Attend high-risk environmental activities and verify that required mitigations, hold points and approvals have been applied before work proceeds. • Identify environmental design requirements and issue them to the Design Team, review design packages and Design Reports before issue for construction, and review any design change that affects environmental requirements. • Communicate regularly with the Project Manager, Construction Manager, supervisors, engineers, work crews and subcontractors on environmental performance and required actions. • Ensure environmental incident readiness, support immediate mitigation and notifications, and lead or participate in incident investigations, remediation and preventative actions.

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Role	Responsibilities
	• Notify DPHI and NPWS through Transgrid within 24 hours of becoming aware of an incident and notify the Heritage Council of NSW through Transgrid within 24 hours where construction causes actual or potential damage to a heritage structure. • Provide the Department and NPWS, through Transgrid, with the subsequent incident report within seven days of the incident notification, and submit further reports directed by the Planning Secretary. • Prepare the monthly environmental report by the third business day of each month and report monitoring results and potential exceedances to Transgrid as required. • Prepare information required for the annual EPBC compliance report and support statutory and contractual reporting. • Perform or facilitate environmental monitoring and sampling and analyse monitoring exceedances with the Project Manager. • Assess new or changed environmental risks and determine whether they remain within the approved development and EIS impact envelope and can be managed under existing or revised controls. • Arrange environmental corrective and preventative actions with the Project Manager and Construction Manager, assign responsible persons and agreed timeframes, track close-out in the Corrective Action Register and provide the register to Transgrid monthly. • Maintain environmental documents and records current at their point of use with the HSE Business Partner and Project Manager. • Manage or support regulatory and stakeholder interactions and liaise with the Project Engagement Lead on potential community impacts. • Support audits, gather compliance evidence, facilitate waste and recycling outcomes, collect NGERS information and ensure shutdown and demobilisation requirements are addressed. • Authority to attend and intervene in high-risk work, require corrective action, recommend stopping or modifying work, verify environmental hold points and escalate compliance matters to Project management, Transgrid and the Environmental Representative.
HSE Business Partner	• Maintain environmental management documents and records current at the point of use with the Environmental Business Partner and Project Manager. • Support environmental induction, training, incident readiness, emergency response, investigations and corrective-action processes. • Support integration of environmental requirements with the broader HSE management system and Project risk processes. • Authority to provide HSE advice, require matters to be entered into Project systems and escalate environmental or HSE risks to Project management.
Project Engineer/s	• Integrate environmental considerations into construction decisions, design interfaces, work planning and work packages. • Ensure controls and procedures in the CEMP and task-specific EWMS are implemented. • Conduct regular site checks to verify controls such as erosion and sediment controls and dust suppression are operating effectively. • Ensure subcontractors and site personnel comply with the CEMP and applicable EWMS. • Program daily work with regard to weather and environmental constraints. • Participate in inspections, monitoring, audits, pre-starts, toolbox talks and corrective-action close-out as required. • Ensure design packages identify applicable environmental requirements and include compliance traceability in Design Reports. • Support preparation and submission of detailed final-layout information before construction. • Authority to direct work within their engineering scope, require implementation of documented controls, identify hold points and escalate non-compliance or design inconsistency to the Construction Manager and Environmental Business Partner.
Project Supervisors and Leading Hands	• Confirm environmental approvals, permits, hold points and constraints before site disturbance or other relevant work begins.

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Role	Responsibilities
	• Promote workforce awareness of the CEMP, sub-plans, EMS, EWMS and environmental requirements. • Plan and implement field controls to prevent environmental incidents and minimise impacts. • Check inductions, weed and hygiene controls, spill kits and other activity-specific compliance requirements. • Discuss environmental risks and controls with work crews during daily pre-starts, toolbox talks and work planning. • Inspect work areas daily, record observations in the site diary or pre-start record and rectify or escalate identified issues. • Inspect erosion and sediment controls weekly and following rainfall exceeding 10 mm, and repair damage or make necessary adjustments immediately. • Undertake pre-rainfall inspections with the Environmental Business Partner within the stated trigger period and post-rainfall inspections before civil work commences or recommences in affected areas. • Ensure EWMS, pre-start checks and other risk-management processes are followed. • Assist with progressive erosion and sediment control plans and ensure they are integrated with site activities. • Maintain work areas in compliance, particularly for waste, chemicals, dust, erosion and sediment controls. • Support emergency and incident response, workforce egress and prevention of environmental harm. • Advise management of delays and work changes so environmental implications can be assessed. • Authority to direct work crews, require immediate rectification, stop work where there is a risk of uncontrolled or unauthorised environmental impact, and escalate matters to the Construction Manager or Environmental Business Partner.
Project Engagement Lead	• Manage community enquiries, complaints and feedback and ensure issues are recorded, investigated and resolved within agreed timeframes. • Record complaint details, management actions and closure status in Salesforce within one business day of receipt. • Maintain positive relationships with landowners and key stakeholders through regular communication, issue resolution and practical mitigation arrangements. • Ensure stakeholder interactions, commitments and engagement outcomes are accurately recorded in Project systems. • Maintain the complaints register, provide it for submission to the Planning Secretary upon request and support monthly publication requirements through Transgrid. • Coordinate notifications and engagement with potentially affected receivers and stakeholders about construction activities and environmental impacts in accordance with the Community Communication Strategy and relevant sub-plans. • Advise the Project Manager and Environmental Business Partner of complaints and community issues requiring environmental investigation or corrective action. • Authority to communicate on behalf of the Project within the approved engagement framework, coordinate stakeholder commitments and escalate unresolved matters to Project management and Transgrid
Designers and Design Manager	• Identify environmental obligations applicable to each permanent and temporary design package. • Incorporate environmental requirements, mitigation measures and conditions into design where applicable. • Prepare Design Reports containing compliance tables that demonstrate how environmental requirements have been addressed or justify any requirement not met. • Participate in internal and independent design reviews and address environmental review comments. • Ensure the transmission-line design complies with applicable ICNIRP requirements and relevant Transgrid design standards. • Apply relevant aviation marking and safety standards where a local aerial operator identifies that an assessment is required.

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Role	Responsibilities
	• Authority to amend the design within delegated scope to address environmental requirements and to escalate design changes that may cause new or increased environmental impacts for assessment before implementation.
Subcontractors and Consultants	• Comply with the CEMP, sub-plans, Zinfra EMS, subcontract requirements, legislation and instructions issued by Zinfra management. • Nominate site representatives to liaise with Zinfra and take responsibility for environmental performance of subcontracted activities. • Complete required environmental inductions, training, toolbox talks and EWMS briefings before undertaking relevant work. • Prepare task-specific EWMS where required and implement all assigned controls and responsibilities. • Participate in monitoring, inspections and audits in accordance with the risk profile of their work. • Undertake remedial actions identified during weekly environmental inspections and cooperate with incident and emergency procedures. • Provide environmental records, monitoring data, waste information and evidence required for Project reporting and audits. • Authority to stop their own work where environmental risks are uncontrolled and to direct their personnel within the subcontract scope, subject to Zinfra requirements.
All Workers and Subcontractor Personnel	• Exercise environmental duty of care and comply with the CEMP, sub-plans, approvals, inductions, EWMS, procedures and instructions relevant to their work. • Complete required environmental induction, training, toolbox talks and pre-start briefings before undertaking relevant activities. • Report environmental incidents, near misses, hazards, complaints and non-conformances immediately to Project management. • Stop work where there is a risk of an unauthorised or uncontrolled environmental impact and notify the appropriate Project personnel. • Apply environmental controls and mitigation measures, check work packages and plans, and seek assistance where requirements are unclear. • Support managers and supervisors in implementing controls and assist with incident response, remediation and investigations where capable. • Return required environmental records and dispose of waste correctly. • Suggest improvements or efficiencies to the Environmental Business Partner. • Authority to stop their own work and raise environmental concerns without delay.
Visitors and Delivery Drivers	• Complete the required visitor or temporary-visitor induction before entering work areas. • Remain escorted by inducted personnel as required. • Comply with site environmental controls, access restrictions, instructions and emergency procedures. • Report any environmental incident, spill, harm or concern immediately to their escort or site representative. • Authority to cease their own activity and raise a concern where an environmental hazard is observed.
Environmental Representative	• Provide independent environmental oversight for the duration of work until completion of construction, or as otherwise agreed by the Planning Secretary. • Receive and respond to communication from the Planning Secretary concerning environmental performance and inform the Planning Secretary on matters specified in the approval. • Recommend improvements to work practices to avoid or minimise adverse environmental and community impacts. • Review required environmental management documents and provide the applicable written statement before submission or implementation. • Regularly monitor implementation of required environmental management documents and compliance with the approval. • Help plan or attend Department-commissioned audits, briefings and site visits when requested. • Assist with resolution of community complaints when requested by the Planning Secretary.

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Role	Responsibilities
	• Review the appropriateness of activities relying on the definition of pre-construction minor works. • Consider and approve minor amendments to approval documents where they are consistent with the approval and do not increase environmental impacts or impacts on sensitive receivers. • Review consistency assessments before relevant work commences where required. • Prepare and submit the ER Monthly Report to the Planning Secretary and relevant regulatory agencies within seven days after the end of each month, or as otherwise agreed. • Accountable for maintaining independence and exercising ER functions in accordance with the approval and Environmental Representative Protocol. • Authority and independence to recommend reasonable steps to avoid or minimise impacts and, where those steps are ineffective and significant environmental risk remains, recommend that relevant activities cease as soon as reasonably practicable.
Independent Auditor	• Conduct independent environmental audits in accordance with the applicable NSW or Commonwealth post-approval audit requirements. • Assess compliance with approval conditions, commitments and environmental management documents and prepare audit reports identifying findings, recommendations and opportunities for improvement. • Maintain independence and appropriate qualifications for the audit scope. • Authority to request evidence, access relevant Project areas and records within the audit scope, and make independent findings and recommendations.
Transgrid / Proponent	• Accountable as Proponent and approval holder for compliance with the Infrastructure Approval and EPBC Approval requirements allocated to Transgrid. • Obtain Planning Secretary approval of the Environmental Representative and engage the approved ER before work commences. • Provide the ER with requested documentation, the complaints register on the day complaints are received and consistency assessments before relevant work begins. • Notify the Department in writing before commencement of each development phase and any further stage and notify the Commonwealth department of commencement of the Action within five business days. • Notify the Commonwealth department of proposed or effective changes to the NSW approval that may relate to protected matters within the specified EPBC timeframes. • Submit statutory notifications and reports through the Major Projects Portal and other regulator systems where Proponent access is required. • Notify the Department within seven days of becoming aware of a non-compliance not notified as an incident. • Submit incident notifications to DPHI and NPWS within 24 hours, subsequent incident reports within seven days, and EPBC incident notifications and reports within the applicable timeframes using information provided by Zinfra. • Maintain the development website and publish approvals, environmental management documents, staging information, Project progress, contact details, the monthly complaints register, audit reports, responses and other required information. • Arrange independent environmental audits, submit auditor details and reports, respond to audit recommendations and publish audit reports within approval timeframes. • Prepare, publish and notify the Commonwealth department of annual EPBC compliance reports and associated spatial data in accordance with the EPBC Approval. • Maintain and provide compliance records, monitoring data and spatial information required under the EPBC Approval. • Review environmental management documents and formally instruct revisions where required. • Review and release environmental hold points and relevant approvals before work commences where required by the Project governance framework. • Accountable for public infrastructure, staging, biodiversity offsets and other Proponent obligations assigned to Transgrid in the approvals.

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Role	Responsibilities
	• Authority to approve or reject submissions under the contract, release hold points within delegated authority, direct corrective action, escalate matters to regulators and require work to be modified or suspended to maintain approval compliance.
Transgrid Project Manager	• Receive immediate notification of environmental incidents, non-compliances, complaints and material environmental issues from Zinfra. • Coordinate Transgrid review, direction and portal submissions required under the approval and contract. • Support regulatory notifications, incident reporting, audit responses, hold-point release and corrective-action follow-up. • Ensure relevant Transgrid personnel are advised of environmental performance and issues requiring Proponent action. • Authority to issue directions within delegated Transgrid authority, require further information or corrective action and escalate matters to Transgrid approval holders or regulators.
Transgrid Environmental Business Partner	• Notify the Department through the Major Projects website within seven days of becoming aware of a non-compliance that is not classified as an incident. • Notify the Commonwealth department electronically within two business days of becoming aware of an EPBC incident. • Provide written EPBC incident details to the Commonwealth department within 12 business days of becoming aware of the incident. • Coordinate with Zinfra to obtain complete information on incidents, non-compliances, investigations, impacts, corrective measures and completion timing. • Support review of monthly environmental reports, monitoring outcomes, audit responses and annual EPBC compliance reporting. • Authority to require information and evidence from Zinfra, coordinate statutory submissions and escalate compliance matters within Transgrid.
Planning Secretary / DPHI	• Approve the CEMP and other environmental management documents where required by the Conditions of Approval. • Approve the Environmental Representative and consider staging, update and amendment requests. • Issue written directions and requirements arising from assessment of environmental performance, plans, reports, reviews or audits. • Receive statutory notifications, reports, complaints registers and audit material through the applicable channels. • Authority under the approval to approve, condition, direct, request information, require further monitoring or action, and determine disputes referred under the approval.

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4.3.2 Environmental Representative (ER)

The Environmental Representative (ER) will provide independent oversight to ensure the project complies with the NSW Instrument of Approval and environmental requirements. This will involve monitoring and auditing activities, advising on environmental management and mitigation measures, reviewing key plans and documentation, and identifying and addressing non-compliances. The ER has the authority to direct works to stop or be modified where there is a risk of environmental harm and supports compliance reporting and liaison with regulators.

In accordance with Conditions A8 and A9 of CoA, work will not commence until an ER has been approved by the Planning Secretary and engaged by the Proponent, with Planning Secretary approval sought no later than one (1) month before the commencement of work. Approval for an ER and alternate ER for the Project was sought on 2 June 2026. Approval for the appointment of these positions was received from the Planning Secretary on 25 June 2026.

In accordance with Condition A10 of CoA, the ER must meet the requirements set out in the Environmental Representative Protcol (Department of Planning and Environment, October 2018 and will be a suitably qualified and experienced person(s) who was not involved in the preparation of the documents listed in Condition A2(c) and is independent from the design and construction of the development.

The approved ER will undertake the following duties as defined in accordance with Condition A12 of CoA:

a) *receive and respond to communication from the Planning Secretary in relation to the environmental performance of the development;*
b) *consider and inform the Planning Secretary on matters specified in the terms of this approval;*
c) *consider and recommend to the Proponent any improvements that may be made to work practices to avoid or minimise adverse impact to the environment and the community;*
d) *review documents identified in Table 1, Schedule 1, and any other documents that are identified by the Planning Secretary, to ensure they are consistent with the requirements of this approval and if so to:*
    i) *make a written statement to this effect before submission of such documents to the Planning Secretary (if those documents are required to be approved by the Planning Secretary); or*
    ii) *make a written statement to this effect before the implementation of such documents (if those documents are required to be submitted to the Department for information or are not required to be submitted to the Department);*

Note: The written statement must be made via the Major Projects Portal

e) *regularly monitor the implementation of the documents identified in Table 1, Schedule 1 to ensure implementation is being carried out in accordance with the document and the terms of this approval;*
f) *as may be requested by the Planning Secretary, help plan or attend audits of the development commissioned by the Department including scoping audits, programming audits, briefings and site visits but not independent environmental audits required under C14 of this approval;*
g) *as may be requested by the Planning Secretary, assist in the resolution of community complaints;*
h) *review the appropriateness of any activities reliant on the definition of Pre-construction Minor Works;*
i) *considering any minor amendments (updates or administrative changes that do not increase impacts to the environmental or nearby sensitive receivers) to any documents required under this approval and ensure they are consistent with the terms of this approval and, if satisfied such amendments are necessary, approve the amendment. This does not include any modifications to the terms of this approval;*
j) *having the authority and independence to recommend to the Proponent reasonable steps to be taken to avoid or minimise unintended or adverse environmental impacts, and, failing the effectiveness of such steps, to recommend to the Proponent that relevant activities are to be ceased as soon as reasonably practicable if there is a significant risk that an adverse impact on the environment will be likely to occur; and*
k) *prepare and submit to the Planning Secretary and other relevant regulatory agencies, for information, an ER Monthly Report providing the information set out in the Environmental Representative Protocol (Department of Planning and Environment, October 2018). The ER Monthly Report must be submitted within seven (7) days following the end of each month for the duration of the ER's engagement for the development, or as otherwise agreed by the Planning Secretary.*

4.3.3 Hold Points

Zinfra will comply with all relevant Hold Points and submit the necessary documentation to Transgrid management before commencing any works. Hold Points will be applied to specific Inspection Test Plans (ITPs), Permits, and Approvals to ensure all required surveys, assessments, controls, and measures have been completed before work begins. The hold points relevant for the Project are provided in **Appendix H**.

Works will not commence until:

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- The Hold Point has been approved or released.
- The relevant Permit or Approval has been signed.

4.4 Legal and Compliance Requirements

The Project was declared Critical State Significant Infrastructure (CSSI) on 4 July 2024 and was assessed under Part 5, Division 5.2 of the Environmental Planning and Assessment Act 1979 (NSW) (EP&A Act). Approval for the Project was granted by the NSW Minister for Planning and Public Spaces on 16 May 2026. The conditions of the NSW infrastructure approval are identified in **Appendix B**, together with references to the relevant documents in which each condition is addressed.

The Project was determined to be a controlled action on 2 August 2024 under the Environment Protection and Biodiversity Conservation Act 1999 (Cth) (EPBC Act). Approval under the EPBC Act was granted by the Commonwealth Minister for the Environment and Water on 9 July 2026. The EPBC Act approval conditions are identified in **Appendix C**, together with references to the sections of this CEMP in which each condition is addressed.

The Revised Environmental Mitigation Measures (REMMs) for the Project are provided in **Appendix D**. These measures reflect the revised mitigation measures documented in Appendix B of the Project Submissions Report.

The legislation that is relevant for the project is listed in **Appendix F**.

4.5 Training and Awareness

To support effective implementation of the CEMP, each level of management is responsible for ensuring that all personnel under their supervision understand the requirements of this Plan. The Environmental BP will coordinate environmental training in alignment with broader Project training and development activities.

All employees, contractors (and their subcontractors) must be made aware of, and are to be instructed to comply with, the conditions of the Planning Approval relevant to the activities they carry out. The following training mechanisms will be applied to all relevant Project personnel as applicable to the role, including subcontractors.

4.5.1 Site Induction

All personnel and subcontractors must complete the Zinfra Project HSE Induction, including the environmental component, prior to commencing works on the site. This is done to ensure all personnel involved in the Project are aware of the requirements of the CEMP, and to ensure the implementation of environmental management measures. Short-term visitors (e.g., regulators or inspectors) will complete a visitor induction and must be escorted by inducted personnel. Temporary visitors (e.g. delivery drivers) must be escorted around site at all times.

The induction will provide an overview of the CEMP and explain key environmental requirements, including but not limited to:

- Purpose and objectives of the CEMP
- Environmental approvals, licences, permits, and associated conditions
- Requirements of due diligence and duty of care
- Personnel responsibilities, due diligence, and duty of care
- Drivers Code of Conduct and approved transport routes
- High-risk activities, EWMS requirements, and environmental safeguards
- Controls when working near sensitive environmental areas and biodiversity protection
- Soil, water, air quality, waste, traffic, and chemical management
- Cultural heritage awareness
- Community and stakeholder engagement expectations
- Bushfire mitigation and biosecurity controls
- Incident reporting, spill response, and emergency procedures
- Restoration and rehabilitation requirements
- Site flagging protocols
- Biodiversity flora and fauna
- Requirements for spoil excavation and movement
- Erosion and Sediment controls, surface water management

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- Management of contaminated material
- Obligations under the Biosecurity Act 2015 to prevent the spread of weeds and pathogens during construction.
- Noise, vibration and air quality management controls
- Requirement to maintain surrounding property access for residences and to minimise disruptions to these properties for the duration of construction.
- Waste minimisation and disposal protocols.
- Boundaries for vegetation clearing, fauna and fauna habitat management, including awareness of threatened fauna species and fauna rescue.

All induction records will be maintained on file on site, or electronically. The Environmental BP may update the induction content to reflect Project changes, legislative updates, or revisions to the CEMP. The Project Manager is responsible for ensuring all required personnel, visitors, and contractors complete the appropriate induction before commencing activities on site. An induction register is kept on site as part of the Project Quality System to demonstrate compliance with CEMP activities.

4.5.2 Toolbox Talks and EWMS Training

Toolbox sessions will be prepared by the Environmental BP and delivered by Project Engineers, Construction Managers, the Project Manager, the Safety or other subject matter experts. These short, practical briefings are non-accredited and conducted on-site, focusing on environmental risks or specific work activities. Example topics include:

- Recognising and Managing Environmental Incidents
- Implementing Erosion and Sediment Controls
- Minimising Noise, Vibration, And Light Impacts
- Managing Spills, Leaks, and Applying Remediation Measures
- Awareness Of Aboriginal and Non-Aboriginal Heritage Requirements
- Proper Concrete Washout Procedures
- Handling and Disposal of Contaminated Soils
- Protecting Vegetation and Controlling Clearing Activities
- Waste Reduction, Segregation, and Recycling Practices
- NO-GO and Exclusion areas
- Dust Management
- Management of contaminated materials and unexpected finds, including ASS Acid Sulphate Soils if encountered.
- Project Approvals, Licences, Obligations and Requirements
- Out-Of-Hours Works Approvals and Permit Processes
- Dewatering Requirements
- Environmental Incident Identification, Response and Management
- Spill Response Procedures
- Erosion and Sediment Control Practices
- Environmental Noise and Vibration Monitoring
- Understanding Relevant Environmental Control Measures

Toolbox talk attendance is mandatory, and attendees of toolbox talks are required to sign an attendance form and the records maintained. A minimum of one toolbox talk will be delivered on a relevant environmental topic per month.

Personnel and subcontractors performing work under an Environmental Work Method Statement (EWMS) must attend the related toolbox session and confirm their understanding by signing the attendance sheet before commencing work.

Targeted environmental awareness training will be provided to individuals or groups of workers who have specific authority or responsibilities for environmental management, or who undertake activities with a high risk of environmental impact. This training will generally be developed and delivered by the Environmental BP.

The target groups and suggested training topics are outlined in Table 4-3**.** A training register will be maintained on site to demonstrate compliance with CEMP training requirements. This training may be delivered as a standalone session or incorporated into briefings on the requirements of relevant Environmental Work Method Statements.

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Table 4-3 - Environmental Training Needs Analysis

Training	Construction Management and Project Engineers	Supervisors	Vegetation Clearing Personnel	Access and Clearing Personnel	Foundation Personnel	Steel Assembly and Erection Personnel	Stringing Personnel
Project Inductions	✓	✓	✓	✓	✓	✓	✓
Protected Flora / Fauna and Biodiversity Monitoring	✓	✓	✓	✓	✓	✓	✓
Clearing & Ecology Requirements	✓	✓	✓	✓	✓	✓	✓
Biosecurity & Weed Hygiene Awareness	✓	✓	✓	✓	✓	✓	✓
Soil / Spoil Management	✓	✓	✓	✓	✓	✓	✓
Heritage Awareness	✓	✓	✓	✓	✓	✓	✓
Noise, Dust Control and OOHW	✓	✓	✓	✓	✓	✓	✓
Chemical Handling Storage, and Spill Management	✓	✓	✓	✓	✓	✓	✓
ESCP and Water Quality	✓	✓	✓	✓	✓		
Seed Collection & Site Rehabilitation	✓	✓	✓	✓			
Environmental Risk Management & Mitigation	✓	✓	✓	✓	✓	✓	✓
Traffic and Community	✓	✓	✓	✓	✓	✓	✓
FRACM & Hot Works	✓	✓	✓	✓	✓	✓	✓
Emergency Procedures	✓	✓	✓	✓	✓	✓	✓

4.5.3 Daily Pre-Start Briefing

Daily pre-start Briefing meetings are held to inform the workforce of planned activities, safe work procedures, environmental responsibilities, site restrictions, potential hazards, coordination requirements with other trades, and any other relevant information for the day. Records of topics covered, dates, and attendees will be maintained using the Zinfra Pre-Start Meeting Record.

The Construction Manager or delegate will lead the daily pre-start briefing meeting at the start of each shift, or whenever there are significant changes to work activities. Meetings are typically brief, lasting approximately 15-30 minutes.

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The Environmental BP or Construction Manager will determine the environmental topics for each pre-start, highlighting any potential environmental impacts or issues related to the day's work. All attendees must sign the pre-start register to confirm their understanding of the information provided.

4.6 Environmental Risk Assessment

The management of environmental impacts for the Project will follow a risk-based approach to determine the severity and likelihood of an activity's impact on the environment, and to prioritise its significance. This process considers potential regulatory and legal risks also taking into consideration the concerns of community and other stakeholders.

Risk assessments are undertaken at various stages of the Project and documented in management plans, EWMS and other Project documents. The objectives of these risk assessments are to:

- Identify activities, events or outcomes that have the potential to adversely affect the local environment and / or human health / property.
- Qualitatively evaluate and categorise each risk item.
- Assess whether risks can be managed by environmental protection measures.
- Qualitatively evaluate residual risk with implementation of measures.

The risk assessment details the environmental aspects identified for the Project, the initial risk category prior to assigning mitigations, and reference to the appropriate document which details the controls assigned. Risk assessments for the Project are based on AS/NZS 4360:1999, the Australian Standard for risk assessments.

The initial environmental risk assessment workshop was held on 05 August 2026 to ensure that potential risks associated with construction activities are properly identified and that appropriate controls are established. The workshop was attended by Zinfra senior Project representatives, including the environmental team, various members of the construction team, and representatives from Transgrid. All attendees had the opportunity to discuss activities, provide feedback on proposed management measures, and consider the resulting residual risk. Refer to **Appendix E** for the Environmental Risk Register.

In accordance with Condition C1 (e) of the CoA, the Environmental Risk Register includes the assessment of environmental risks for the construction activities and specific risk management controls/ mitigation measures to

- Comply with statutory requirements, limits or performance measures and criteria;
- Manage the predicted impacts and risks identified in the EIS; and
- Manage any other environmental risk or impact that has been subsequently identified after the EIS was submitted.

Zinfra will use the hierarchy of controls to manage hazards such that risks to workers, and the environment are eliminated as far as reasonably practicable. Where risk is difficult to eliminate, then controls to mitigate the risks as best practicable will be implemented. The hierarchy of controls are:

a) Eliminate the hazard
b) Substitute the hazard with a control to minimise the potential for environmental harm
c) Isolate the hazard to minimise the risk of environmental harm
d) Engineer an appropriate control to minimise the risk of environmental harm
e) Administer the hazard by using a control such as a checklist, signage, or a procedure.

Where an activity has a high residual risk following implementation of the identified controls, the following process will be completed before the activity starts:

1) Review. The Environmental BP will lead a review of the risk with the Construction Manager, the relevant Project Field Engineer and the Supervisor responsible for the activity. Specialist advice will be obtained where required, such as from the Project Ecologist, a heritage specialist or a Certified Professional in Erosion and Sediment Control (CPESC).
2) Additional controls. The review will apply the hierarchy of controls to identify additional controls or mitigation measures. These may include changing the work method, timing or location of the activity, increasing supervision, or adding monitoring. The Construction Manager is responsible for resourcing and implementing the controls that are adopted.

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3) Acceptance. If the residual risk remains high after additional controls are applied, the Environmental BP will document the reasons for accepting the risk and why no further controls are practicable. The Project Manager must approve acceptance of the risk before the activity starts. The decision, justification and approval will be recorded in the Project Environmental Risk Register.
4) Implementation. The adopted controls will be incorporated into the EWMS for the activity (Section 4.6.3). The Project Field Engineer and Supervisor will ensure the controls are in place before work starts. The Environmental BP will verify that the required mitigations, hold points and approvals are in place before work proceeds, and will attend the activity where required.
5) Communication. Before the activity starts, the Supervisor will brief the work crew on the EWMS and the additional controls at an EWMS toolbox talk (Section 4.5.2). Crew members will sign the attendance record to confirm they understand the briefing. The controls will be reinforced at the daily pre-start briefing (Section 4.5.3) for each shift on which the activity is undertaken.
6) Verification. The Environmental BP and Supervisor will check that the controls are effective through daily inspections, weekly environmental inspections and monitoring (Section 4.8). If the controls are not effective, the activity will be stopped or modified, and the adaptive management process in Section 4.6.2 will be applied.

Activities identified as having a high or moderate initial environmental risk in the Environmental Risk Register will be subject to a task-specific Environmental Work Method Statement (EWMS). The EWMS will identify the environmental risks associated with the activity and the controls required to manage those risks during the work.

The Project Environmental Risk Register (Appendix E) is the controlling register for environmental risks on the Project and is maintained by the Environmental BP. Risks will be reviewed every 6 months during construction. They will also be reviewed in response to incidents, changes in legal requirements, changes in Project scope, findings of inspections and audits, and management reviews. Updates to the register will be provided to Transgrid regularly for their awareness.

4.6.1 Management of new or changed Environmental Risks and Impacts

The Project will implement an adaptive management process to identify, assess and respond to environmental risks and impacts that emerge during Project delivery and were not identified, or not adequately assessed, in the EIS.

New risks or impacts may arise from pre-construction investigations, unexpected site conditions, contamination, additional environmental constraints, monitoring results, incidents, stakeholder feedback, or proposed changes to the design, construction methodology, staging or work locations. Where a new risk, impact or proposed change is identified, the Environmental BP will assess whether the matter:

- is within the scope of the approved development and EIS impact envelope;
- is adequately addressed by the Conditions of Approval, this CEMP and associated management plans; and
- can be managed through existing or revised environmental controls.

Where the issue can be managed within the existing approval and EIS envelope, the Project will update the environmental risk assessment and/or EWMS as required and implement appropriate mitigation and monitoring measures.

Where a proposed change to the development, design, construction methodology, staging or location of works may result in a new or increased environmental impact, a consistency assessment will be undertaken, where required, to determine whether the proposed works remain consistent with the Conditions of Approval, approved development and EIS. Consistency assessments will be provided to the Environmental Representative (ER) prior to the relevant works commencing where required under Condition A13(b).

Where an issue represents a physical change to the approved development, is inconsistent with the Conditions of Approval, or may result in environmental impacts not described and assessed in the EIS, the relevant work will not proceed until the appropriate assessment and approval pathway has been determined. This may include consultation with DPHI, additional environmental assessment, or seeking a modification to the Project Approvals.

Where a proposed change to the NSW Approval (Infrastructure Approval SSI-70279722) may relate to protected matters, Transgrid will notify the Commonwealth Department of Climate Change, Energy, the Environment and Water (DCCEEW – Cth) within 5 business days of formally proposing such a change and within 10 business days of becoming aware of any proposed change. Transgrid will notify the department in writing of any change to the NSW Approval conditions that may relate to protected matters, within 5 business days of such a change to conditions coming into effect. The notification will include a copy of the changed NSW Approval conditions showing what changes have been made.

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The environmental risk assessment will not be used to authorise a physical change to the development or an increase in environmental impacts outside the approved development or EIS impact envelope. Inclusion of a risk within the Environmental risk register does not, by itself, authorise the associated activity to proceed. Where uncertainty exists, the matter will be escalated to the Client, ER and relevant approvals personnel to determine the appropriate course of action before work commences.

4.6.2 Adaptive Management Process

In accordance with Condition C1(f), Zinfra has developed an adaptive management process that will be implemented if the review of the risk assessment indicates that any measure that has been implemented is not effective in managing the identified risk(s) and a process to update the measure. The Project will apply the following adaptive management principles:

- Monitor environmental performance against approval requirements, performance criteria and management plan commitments.
- Regularly assess the effectiveness of environmental controls and mitigation measures.
- Identify actual and emerging environmental risks, impacts and opportunities for improvement.
- Implement corrective actions where monitoring, inspections, audits or incidents indicate controls are not achieving the intended outcomes.
- Review and update management measures based on new information, changing site conditions or lessons learned.
- Maintain records of decisions, actions and plan revisions.

The Adaptative Management Process includes;

Step 1: Monitor and Assess Environmental Performance

Environmental performance will be monitored and assessed throughout the Project using environmental inspections, monitoring programs, compliance evaluations, audits, incident investigations and stakeholder feedback. Information gathered through these activities will be reviewed to determine whether environmental objectives, performance criteria, approval requirements and management plan commitments are being achieved.

Step 2: Identify and Evaluate Environmental Risks and Control Effectiveness

Where monitoring, inspections, audits, incidents, complaints or other reviews identify that an environmental risk is not being effectively managed, a mitigation measure is not achieving its intended outcome, or an unforeseen impact has occurred, the effectiveness of existing controls will be evaluated. This evaluation will consider the nature and significance of the issue, the adequacy of existing management measures and whether environmental risks differ from those previously assessed.

Step 3: Develop Improved Management Measures

Where improvements are required, appropriate management responses will be developed to address the identified issue. Such responses may include revising work methods, implementing additional mitigation measures, increasing monitoring frequency, enhancing supervision, obtaining specialist advice, providing additional training or updating environmental risk assessments. The selected management response will be proportionate to the level of environmental risk.

Step 4: Implement Revised Controls

Improved management measures and corrective actions will be implemented within a timeframe commensurate with the significance of the risk or impact. Relevant personnel and contractors will be informed of any revised requirements and, where necessary, project documentation, procedures and environmental controls will be updated to reflect the changes.

Step 5: Verify Effectiveness

Following implementation, the effectiveness of the revised management measures will be verified through monitoring, inspections, audits or other appropriate assessment methods. The results of these assessments will be reviewed to

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determine whether the revised controls have successfully addressed the identified risk or impact and whether environmental performance objectives are being achieved.

Step 6: Update Environmental Documentation and Continue Improvement

Where adaptive management actions result in changes to environmental management measures, relevant documentation will be updated as required. This may include risk assessments, monitoring programs, procedures and training materials. The adaptive management process will continue throughout the Project to support continual improvement and ensure environmental risks and impacts remain appropriately managed.

4.6.3 Environmental Work Method Statement (EWMS)

Zinfra and its subcontractors will prepare Environmental Work Method Statements (EWMS) for all activities with a high or moderate initial environmental risk in the Project Environmental Risk Register. Each EWMS will include any additional controls adopted for activities with a high residual risk under Section 4.6.

Each EWMS will include a site-specific risk assessment for the relevant high-risk environmental activities and will incorporate appropriate mitigation measures and controls, including those outlined in the applicable CEMP sub-plans and supporting procedures. The EWMS will communicate requirements, actions, processes and controls to construction personnel through clear plans, diagrams and instructions.

EWMS will be developed in by the Project Engineer or subcontractor responsible for the activity, in consultation with Supervisor, Leading Hand or other relevant site management personnel. The Environmental BP will review each EWMS before the activity commences.

All construction personnel and subcontractors undertaking tasks covered by a EWMS must attend the EWMS toolbox talk (Section 4.5.2). They must confirm their understanding and obligations by signing an attendance record prior to commencing work.

Each EWMS will include at minimum:

- A breakdown of the work tasks relevant to the activity, including assigned responsibilities.
- Potential environmental impacts associated with each task.
- The initial and residual risk rating for each identified impact.
- Mitigation measures applicable to each risk, including any additional controls adopted under Section 4.6.
- Responsibilities for implementing the mitigation measures.
- Applicable hold points, permits and approvals that must be in place before work starts.

The EWMS will be reviewed and updated where the work method, site conditions or risk rating change, or where inspections, monitoring or incidents show that the controls are not effective (Section 4.6.2). Updated EWMS will be re-briefed to affected personnel before work continues.

Monitoring, inspections and audits of compliance with the EWMS will be undertaken regularly by relevant site management personnel, HSE personnel and/or Environmental BP.

4.7 Environmental Management in Design

The are many obligations that require technical input from designers and engineers. These requirements will be communicated, incorporated into the design where appropriate, and reviewed as part of the Design Review process which includes internal and Independent Certifier review.

Each design package, including temporary and permanent Project components, will include a Design Report that provides a compliance table demonstrating how the design has addressed each of the environmental requirements relating to that design scope. This process is established in the Project's Design Management Plan and provides full traceability of how the environmental design obligations are addressed through the design, construction, and operational phase of the asset.

Project requirements that specifically apply to the design package are listed within the document, and the mechanism of how they have been complied is described. Any avoidance or minimisation of environmental impacts achieved during detailed design will be documented in the relevant Design Report.

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The Environmental BP will undertake an environmental design review of each design package and its Design Report before the design is issued for construction. In that review, the Environmental BP will check whether each applicable environmental requirement has been addressed. Where a requirement has not been met, the Design Lead must provide a justification supported by evidence, such as specialist advice, a geotechnical report or an options assessment. Where a Condition of Approval or REMM is qualified (for example, "wherever possible"), the decision and reasons will be approved by the Project Manager and provided to Transgrid. Environmental design review is a hold point (HP-63, Appendix A). The design must not be issued for construction until the Environmental BP has released the hold point.

Any design change made after issue for construction that affects an environmental requirement must be referred back to the Environmental BP and go through the environmental design review again. Design review records, options assessments, specialist advice and Issued for Construction design documents will be kept in the Project document management system. They will be made available to the Environmental Representative, the Department and auditors on request.

Design of the transmission line will be in accordance with the ICNIRP guidelines and Transgrid's Transmission Line Design Manual – Major New Build Rev 2.0. This will include phasing of the conductors to minimise the level of EMFs generated.

If local aerial operators identify the need for a risk assessment, the standards outlined in the AS 3891.2:2018 Air navigation – Cables and their supporting structures – Marking and safety requirements Part 2: Low level aviation operations will be followed.

In accordance with condition C11 of the NSW Approval, Zinfra will submit the detailed final layout plans as required to the department prior to commencement of construction.

4.8 Environmental Inspections

Environmental inspections will be conducted on all active work sites throughout the Project to ensure compliance with regulatory and environmental requirements outlined in this Plan. These inspections will verify that control measures are effectively implemented and that any required remedial actions are undertaken in a timely manner.

The objectives of the inspections are to:

- Provide a surveillance tool to ensure that environmental safeguards are being effectively implemented.
- Identify where environmental issues may be occurring or have the potential to occur.
- Detect ineffective or inadequate environmental practices.
- Enable early identification and resolution of environmental concerns.
- Pre- and post-rainfall inspections will be undertaken as required and when runoff-producing rainfall is forecast. Any corrective actions identified during inspections or observations will be communicated to relevant personnel and recorded in the incident management system.

Zinfra will allow and support inspections conducted by Transgrid, their representatives and ER. Inspections and monitoring will also be required for inactive sites — for example, during post-construction periods before the removal of erosion and sediment control (ESC) measures. Sites where ESC measures are implemented will be inspected weekly and following rainfall events exceeding 10 mm. Any damage identified must be repaired, and necessary adjustments made immediately.

Environmental inspections can also be carried out following a complaint or monitoring exceedance and can include:

- general environmental condition assessments of Project and surrounding areas
- targeted inspections of key aspects, e.g. inspection of an area of protected vegetation
- assessment of the presence, state of repair and adequacy of installed environment controls, e.g. inspection of erosion and sediment controls after a rainfall event
- activity observations, e.g. an inspection undertaken during works such as a concrete pour or vegetation clearing.

Apart from the formal inspections, visual monitoring will also be undertaken. Where visible dust or wind-blown rubbish is observed leaving the site boundary towards sensitive receptors with the potential to result in amenity impacts, the

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dust generating construction activity will be modified or stopped until the hazard is reduced to an acceptable level, where practicable and appropriate, to minimise amenity impacts.

4.8.1 Environmental Inspection Schedule

Formal Environmental inspections will be undertaken at least weekly whilst the works are occurring on site and may involve Project Managers, Construction Manager, Supervisors, Transgrid or external personnel such as Zinfra Corporate Managers and/or subject matter experts/professionals. Subcontractors may also be engaged to accompany the inspections of their work areas.

Subcontractor activities will be included in inspections in line with the risk profile of their activities (i.e. not all subcontractors' activities will necessarily be included in inspections). It is the Project Manager's responsibility to ensure these inspections are carried out.

On completion of the inspection all environmental hazards identified will be recorded on the relevant checklist with corrective actions, responsibilities, and timeframes detailed.

Corrective actions must be entered, and managed in, the Risk and Compliance management system on OMNIA.

Note: In addition to the formal weekly inspection, informal daily observations will be undertaken to ensure environmental controls are being implemented correctly and remedied as soon as possible.

It is noted that inspections also provide an opportunity to address issues raised by the Supervisor, Leading Hand, Project Engineer or Project Manager and assist in the implementation of environmental controls. Often this continued support leads to better ownership of environmental management and becomes a coaching exercise for field personnel to improve their skills in this specialised and complex discipline. Table 4-4 below provides the list of environmental inspections that will be undertaken during the delivery of the Project.

Table 4-4 - Environmental Inspection Schedule

Inspection	Frequency/ Triggers	Reporting	Responsibility
Daily work site Visual inspections	Daily	Site diary entry pre-start sign on	Site Supervisors
Environmental Site Inspection	Weekly	Environmental Inspection Checklist.	Environmental BP
Transgrid/Zinfra Environmental Inspection (Joint)	As required	Transgrid inspection report	Transgrid, Environmental BP
Pre-Rainfall Inspection	Within 24 hours of the start of a forecasted rainfall event (or on the following working day) Rainfall event being greater than 50% potential for 10mm or more with 24 hours	Environmental Inspection Checklist.	Environmental BP/ Site Supervisors
Post heavy rainfall inspections	Post 10mm rainfall events (immediately after rainfall has ceased and as the first task before any civil works commence or recommence in the affected area)	Post Rainfall Inspection Checklist	Environmental BP / Site Supervisor

4.9 Environmental Monitoring Program

Environmental monitoring will be carried out to validate predicted Project impacts, assess the effectiveness of environmental controls, and ensure compliance with approval requirements. Monitoring activities may range from

formal sampling, analysis, and measurement to more qualitative assessments depending on the nature of the activity. All monitoring records will be maintained on the project folder and will be handed over to Transgrid at the end of the project. These monitoring records will be made available for audits and inspections for the duration of the project.

Appendix I summarises the proposed monitoring, including the purpose, timing, frequency, and relevant CEMP sub-plans where detailed requirements are outlined. Further information on specific monitoring and inspection requirements is provided in the corresponding sub-plans.

Regardless of the type of monitoring conducted, results will be used to identify potential or actual issues arising from construction activities. Where monitoring results fall outside the expected range, the following process will be implemented:

- The Environmental BP and Project Manager will analyse the results to determine potential causes, including a review of construction activities that may have contributed to the exceedance.
- A site inspection will be undertaken, where appropriate, to investigate the cause.
- If the exceedance is linked to construction impacts, the effectiveness of mitigation measures will be reviewed; and
- Where necessary, appropriate corrective and preventative actions will be identified and implemented.

4.10 Environmental Reporting

During construction, various reports will be prepared by Zinfra to satisfy Transgrid's reporting obligations and requirements under the Project Approval. Appendix J outlines the reporting requirements, including timing, responsible party, and intended recipient(s).

4.11 Environmental Control Maps

Environmental Control Maps (ECMs) will be used to support the implementation of this CEMP by providing clear, site-specific information on environmental controls and constraints. ECMs illustrate the location of environmentally sensitive features, sensitive receivers and associated mitigation measures, exclusion fencing to protect sensitive areas or vegetation, watercourses including drains and culverts and required protection measures, areas requiring erosion and sediment controls, restricted or no-go zones, designated work areas, plant and vehicle parking areas, stockpiles, laydown areas, and monitoring locations.

In accordance with REMM LU7, the ECMs will also include the location of all utilities and services. Confirming the locations of these utilities and services will include undertaking utilities investigations, including intrusive investigations where required, and consultation and agreement with asset owners and service providers. Their locations along with any requirements for access to, diversion, protection and/or support of utilities will be confirmed prior to construction, including WaterNSW Fish River Water Supply Scheme pipeline.

Zinfra will develop site specific ECM's where any project work could interact with an environmentally sensitive area or be near the project boundary. A copy of the ECM will be maintained at the work locations whilst the works are being undertaken.

Please refer to **Appendix G** for an ECM template.

4.12 Environmental Management Documents

4.12.1 Environmental Records

All documentation relating to environmental matters will be managed in accordance with the Zinfra Quality Management System, including document approval, identification, storage, protection, retention, distribution, revision, retrieval, and disposal where appropriate.

Zinfra will:

- Allocate adequate resources to ensure environmental documents are current and accessible.
- Provide a document control system to assist users in locating environmental documents.
- Communicate changes to documents using a formal change management process.
- Consult users during development and subsequent changes to environmental documents.
- Implement procedures for controlling and storing environmental records.
- Define and communicate environmental record requirements to responsible personnel.

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- Ensure environmental records, both electronic and hardcopy, are preserved from loss, damage, or unauthorised access.

4.12.2 Record Keeping

The Environmental BP, HSE BP and the Project Manager are responsible for maintaining environmental management documents and records current at the point of use. Types of records include:

- Monitoring, inspection, and compliance reports/records.
- Correspondence with regulatory authorities.
- Induction and training records and registers.
- Register on environmental incidents, non-conformances, complaints, and follow-up actions.
- Environmental Investigation reports.
- Environmental monitoring data.
- Waste register.
- Washdown Records.

All records are subject to ongoing review and continual improvement, including when there are changes to Project activities, legislative requirements, or licences.

4.13 Compliance Monitoring and Reporting

Zinfra will ensure that all of its employees, contractors (and their sub-contractors) are made aware of, and are instructed to comply with, the conditions of approval and the requirements in this CEMP and associated Sub-Plans relevant to activities they carry out in respect of the Project.

Compliance monitoring will be undertaken in accordance with Section 4.14. Environmental Audit

4.14 Environmental Audit

Environmental audits are undertaken to verify compliance with the CEMP, Infrastructure Approval, EPBC Approval, and any other relevant legal or contractual obligations (e.g., licences, permits, regulations, and contract documentation), while supporting continuous improvement.

4.14.1 Independent Environmental Audits – Infrastructure Approval

In accordance with the Infrastructure Approval, independent audits will be conducted and carried out in accordance with the Independent Audit Post Approval Requirements published on the Department's website. The first independent audit will occur within 12 weeks of construction commencement.

- Subsequent independent audits will occur at an interval no greater than 26 weeks until the completion of the construction phase.

Auditors will be selected from Transgrid's HSE audit panel. Audits will follow the methodology outlined in Section 3 of the Independent Audit Post Approval Requirements (2026). Each audit will produce an Independent Audit Report, including the audit methodology, findings, recommendations, and opportunities for improvement. Zinfra will review draft reports and provide formal responses, including actions and completion timeframes for any identified non-compliances or opportunities for improvement.

Transgrid will submit a Response to Audit Recommendations, accompanied by the Final Independent Audit Report, to DPHI via the Major Projects Portal within the Audit period.

4.14.2 Independent Environmental Audits – EPBC Approval

In accordance with Conditions 23-25 of the EPBC Approval, Transgrid will ensure that an independent audit of compliance with the conditions of the EPBC Approval is conducted for every audit period, being each subsequent five-year period following the commencement of the Action as defined under the EPBC Approval until the expiry date of the EPBC Approval unless otherwise specified in writing by the Australian Government Minister administering the EPBC Act (including any delegate thereof). Details of the proposed Independent Auditor and their qualifications will be submitted by Transgrid to DCCEEW – Cth within 10 business days following the end of each audit period.

In accordance with Condition 28 of the EPBC Approval, EPBC Approval Independent Environmental Audits will be undertaken consistent with the Commonwealth of Australia (2019) *Environment Protection and Biodiversity*

Conservation Act 1999 Independent Audit and Audit Report Guidelines. Transgrid will submit EPBC Approval audit reports to DCCEEW – Cth for written agreement within 3 months following the end of each audit period, or as otherwise directed by the Australian Government Minister administering the EPBC Act (including any delegate thereof).

In accordance with Condtiion 29 of the EPBC Approval, Transgrid will publish each audit report on the development website (refer Section 3.4), in a format that is easily accessible and downloadable, within 10 business days of the date the department agrees to that audit report in writing. Transgrid will notify DCCEEW – Cth within 5 business days of the date the audit report is published on the website including provision of the web address for where the audit report is published on the website. Each EPBC Approval audit report will be published on the website from the first date which that audit report must be published and until the expiry date of the EPBC Approval.

4.14.3 Corrective and preventative actions

Corrective and preventative action process will be initiated following the identification of a non-conformance and/or non-compliance. In accordance with the Environmental Management Plan Guideline, **Non-conformance** is defined to be a failure to comply with an environmental requirement, standard, or procedure. **Non-compliance** is defined as an occurrence and/or set of circumstances that breach the Conditions of Approval and/or any other legal requirement.

Both non-conformance and non-compliance items identified during inspections and audits will be captured in the Corrective Action Register.

The Environmental BP in consultation with Zinfra Project Manager and Construction Manager will develop the corrective and preventative actions and assign a responsible person to close the actions within the agreed timeframes.

A copy of the Corrective Action Register will be provided to Transgrid as part of the monthly reporting. Any non-compliance identified will be reported to the Department in line with the Condition of Approval requirements.

4.15 Environmental Incident and Emergency Planning, Preparedness and Response

4.15.1 Incident Management

In accordance with the Infrastructure Approval, an incident is an occurrence or set of circumstances that causes or threatens to cause material harm and which may or may not be or cause a non-compliance. Material Harm is harm that

- involves actual or potential harm to the health or safety of human beings or to the environment that is not trivial, or
- results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding $50,000, (such loss includes the reasonable costs and expenses that would be incurred in taking all reasonable and practicable measures to prevent, mitigate or make good harm to the environment).

This definition excludes “harm” that is authorised under either this approval or any other statutory approval.

All incidents will be reported immediately to the Transgrid Project Manager and must be entered by Zinfra into OMNIA within 24 hours, Zinfra’s Risk and Compliance Management System, which serves as the project’s incident management database to ensure that actions are tracked and completed within the required timeframes.

OMNIA supports the management of:

- Enterprise- and Business Unit-level risks, including associated controls, causes, and actions
- Compliance obligations and related documentation

4.15.2 Incident Notification

In accordance with Condition C16 of CoA, the Zinfra Environmental Business Partner (through Transgrid) will notify DPHI and NPWS within 24 hours of becoming aware of an incident. The notification to the Department must be made via the NSW planning portal (Major Projects) and address details of the incident, including:

a. date, time and location;

b. a brief description of what occurred and why it has been classified as an incident;

c. a description of what immediate steps were taken in relation to the incident; and

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d. identifying a contact person for further communication regarding the incident.

Specifically, where a noise or vibration related complaint is received by the Project, the Lithgow City Council will also be notified. The notification will be provided to the below contact details:

- Customer Service - council@lithgow.nsw.gov.au
- Shaun Elwood - shaun.elwood@lithgow.nsw.gov.au
- Galip Kartop - Galip.Kartop@lithgow.nsw.gov.au

Once the compliant is resolved, the project team will provide feedback to Council to ensure the matter is closed out appropriately.

In addition to the above, where the construction activities result in actual or potential damage to a heritage structure, Zinfra's Environmental Business Partner (through Transgrid) will also notify the Heritage Council of NSW within 24 hours of becoming aware of an incident.

Note: NPWS can be notified to NPWS Kanangara Area via npws.kanangra@environment.nsw.gov.au and Blue Mountains Branch Duty Officer or as otherwise advised by NPWS.

In accordance with Condition 21 of the Project's EPBC Approval, the Transgrid Environmental Business Partner will notify NEPA electronically, within 2 business days of becoming aware of any incident. The notification will specify;

a. any condition or commitment made in a plan which has not been, or may have not been, complied with,

b. a short description of the incident, and

c. the location (if applicable, including co-ordinates), date and time of the incident.

4.15.3 Incident Report

In accordance with CoA C17, the Zinfra Transgrid Environmental Business Partner (through Transgrid) will provide the Department and NPWS with a subsequent incident report via the NSW planning portal (Major Projects) within 7 days (or as otherwise agreed by the Planning Secretary) of the incident notification (in accordance with condition C16). The incident report shall

a. identify how the incident was detected;

b. identify when the Proponent became aware of the incident;

c. identify any actual or potential non-compliance with conditions of consent;

d. identify further action(s) that will be taken in relation to the incident; and

e. provide a summary of the incident;

f. provide outcomes of an incident investigation, including identification of the cause of the incident;

g. detail corrective and preventative actions that have been, or will be, implemented to address the incident and prevent recurrence, including the period for implementing any corrective and/or preventative actions; and

h. detail any communication with other stakeholders regarding the incident.

Zinfra's Environmental Business Partner (through Transgrid) shall also submit any further reports as directed by the Planning Secretary.

In accordance with Condition 22 of the Project's EPBC Approval, the Transgrid Environmental Business Partner will provide to NEPA department must be provided written details of an incident notified under condition 21 within 12 business days of becoming aware of the incident. The following must be specified;

a. all corrective measures and investigations which the approval holder has already taken in respect of the incident,

b. the potential impacts of the incident,

c. the method and timing of any corrective measures that the approval holder proposes to undertake to address the incident, and

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d. any variation of these conditions or revision of a plan that will be required to prevent recurrence of the incident and/or to address its consequences.

4.15.4 Incident Investigation

An investigation will be initiated promptly by the Zinfra Project Manager following any reported incident. The scope and depth of the investigation will depend on the severity and potential impact of the incident. Key elements may include:

- Determining the cause, extent, and responsibility of the incident.
- Additional monitoring (where appropriate)
- Identifying and implementing corrective actions to prevent recurrence.
- Assigning responsibility for carrying out corrective measures.
- Reviewing and updating controls and procedures as needed.
- Notifying relevant stakeholders, including regulatory authorities, if significant noise or vibration impacts have occurred.

Investigations will follow the ICAM (Incident Causation Analysis Method), in alignment with Transgrid's investigation requirements. The level of investigation, team composition, and reporting obligations will be determined based on the actual and potential severity of the incident.

4.15.5 Non–Compliances

An environmental non-compliance occurs when a condition of approval, licence condition, or any other statutory requirement relevant to a Project activity or location is breached.

Non-compliances may include incident-related significant non-compliances, which may result from construction activities.

For any non-compliances that are not classified as incidents and are identified through inspections, audits, or observations, in accordance with CoA C15, the Transgrid Environmental Business Partner will notify the Department via the Major Projects website within seven (7) days of becoming aware of the non-compliance. Zinfra will provide all necessary information to assist Transgrid in preparing this notification.

The written notification will include the following details:

- The development, including the development application number and Project name.
- The specific Condition of Approval that has not been met.
- The reasons for the non-compliance, if known; and
- Actions that have been undertaken, or are planned, to address the non-compliance, including expected timing for completion.

4.15.6 Emergency Preparedness and Response

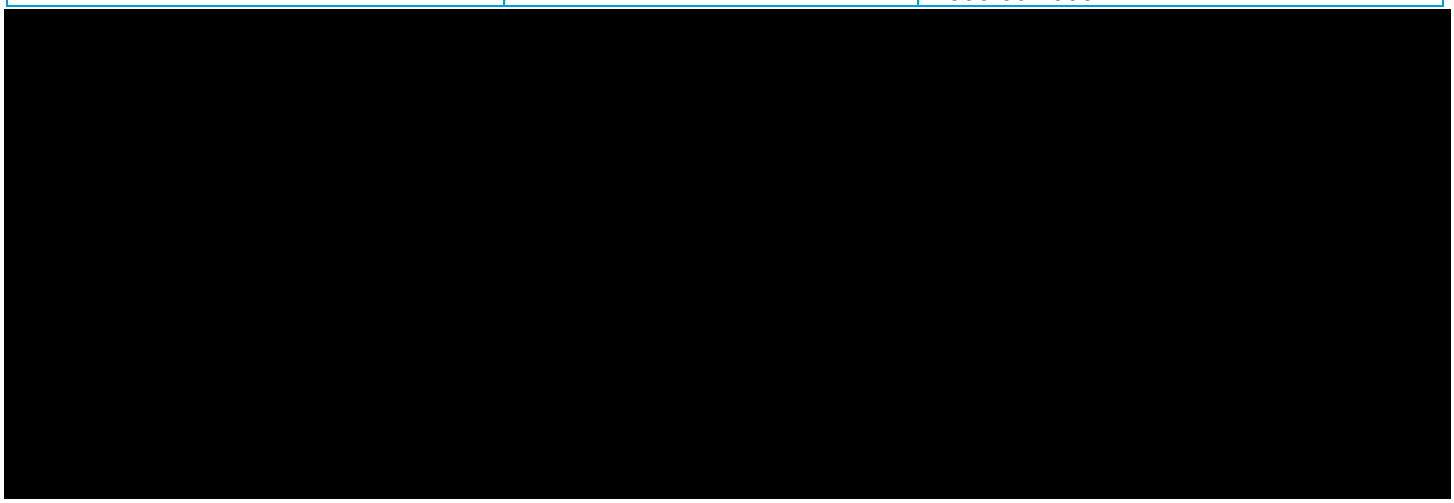
An Emergency Plan including a Bushfire Management Plan, and Flood Risk Management Plan have been developed for the Project in accordance with Condition B46 and REMM W2, HR3 and HR4. The Emergency MP will cover all the potential emergency scenarios including environmental emergencies scenarios and address preparedness and response requirements. It also defines the responsibilities of key personnel during an emergency.

Project Emergency Contacts Details for the Key Project personnel are provided in Table 4-5 below:

Table 4-5 - Project Emergency Contacts Details

Role/ Agency	Personnel	Contact Details
EPA	-	131 555
DPHI Compliance	-	1300 305 695

Role/ Agency	Personnel	Contact Details
Fire & Rescue NSW	-	000 (for pollution incidents that present an immediate threat to human health or property) 1300 729 579 (for pollution incidents that do not present an immediate threat to human health or property)
Lithgow City Council	-	(02) 6354 9999 or 1300 661 303



Please refer to the Emergency Plan for further detail on incident and emergency management.

4.15.7 Damage to Public Infrastructure

In the event that public infrastructure is damaged during the course of carrying out the development, unless otherwise agreed between Transgrid and the applicable authority, the Zinfra Project Manager will arrange to:

a. repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by carrying out the development (excluding damage to roads caused as a result of general road usage); and

b. relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development.

4.16 Subcontractor Management

All subcontractors and consultants engaged on the Project must comply with this CEMP and Zinfra's EMS. Environmental performance and compliance will be monitored for the duration of their contract.

Subcontractors and their personnel are considered equivalent to Zinfra's Project personnel in all aspects of environmental management and control, and their responsibilities mirror those of Zinfra personnel.

Subcontractors engaged on the Project are required to:

- Undertake environmental awareness training including induction.
- Comply with subcontract and statutory requirements relating to environmental protection and other environmental legislation, and follow instructions issued by Zinfra management.
- Nominate site representatives to liaise with Zinfra representatives regarding environmental requirements and take responsibility for environmental performance on their activities.
- Adhere to the Zinfra Project CEMP as it applies to their site operations.
- Undertake remedial actions identified during weekly environmental inspections of their work areas.
- Fully cooperate with site emergency and incident procedures, including consultative arrangements.
- Follow procedures and requirements outlined in the CEMP.

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4.17 Consultation, Internal Approval and Lodgement of CEMP

Table 4-6 provides details the list of all documents that need to be consulted and approval sought from various stakeholders. Consultation will be managed in accordance with the Community Communication Strategy.

Outcomes of consultation and engagement with stakeholders will be included in the Consultation Report for the relevant Plan when consultation has been completed. This report will be supplied to DPHI upon request.

Where a proposed amendment to any documents required under the Infrastructure Approval falls within the ER's functions under Condition A12(i), the amendment will be referred to the ER for consideration and approval before implementation.

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Table 4-6 - Summary of consultation and approval requirements

Plan	DPHI	Transgrid	Lithgow City Council	DCCEEW Water (NSW)	Water NSW	CPHR	Heritage NSW	Heritage Council NSW	Aboriginal stakeholders	NPWS	TfNSW	NSW RFS	FRNSW	SES	EPA	Affected stakeholders
Construction Environmental Management Plan	A	R														
Noise and Vibration Management Plan	A	R	C												C	
Soil and Water Management Plan	A	R	C	C	C	C				C						
Biodiversity Management Plan	A	R				C				C						
Historic Heritage Management Plan	A	R	C					C								
Traffic and Transport Management Plan	A	R	C							C	C					
Emergency Plan	I	R								C		C	C			
Emergency Management Plan - Bushfire	I	R										C	C			
–Flood Risk Management Plan	I	R												C		
Waste Management Plan	A	R	C												C	
Community Communication Strategy	I	R														
Rehabilitation Management Plan	A	R								C						

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Plan	DPHI	Transgrid	Lithgow City Council	DCCEEW Water (NSW)	Water NSW	CPHR	Heritage NSW	Heritage Council NSW	Aboriginal stakeholders	NPWS	TfNSW	NSW RFS	FRNSW	SES	EPA	Affected stakeholders
Aboriginal Cultural Heritage Management Plan	I	R							C							
Accommodation and Employment Strategy	I	R	C													C

*A – Approval, I – Information, R – Review, C – Consultation, * - for the Out of Hours Works Protocol only*

5. CEMP REVIEW AND REVISION PROCESS

Zinfra is committed to continuous improvement of its environmental management framework through regular monitoring, assessment, auditing, and review. The CEMP will be reviewed and updated as required to ensure they remain current, effective, and aligned with Project objectives.

5.1 Triggers for Review and Revision

In accordance with condition C3, If updates to an environmental management document are required:

(a) to include new information or changes to the development as a result of:

(i) a modification of project approval; or

(ii) a change in the phase of development as notified under condition C10;

(b) to update risk controls or mitigation measures in response to a change in risk level identified by review of the environmental risk assessment required by condition C1(f);

(c) to address the findings of an Independent Environmental Audit under condition C14;

(d) to implement the findings of an incident report required by condition C16;

(e) to comply with a directive by the Planning Secretary;

the relevant environmental management document(s) must be revised and submitted to the Planning Secretary for approval within three months unless otherwise agreed by the Planning Secretary.

Note: This is to ensure that environmental management documents are updated regularly and to incorporate any recommended measures to improve the development's environmental performance.

In addition to the above, CEMP reviews and revisions may be undertaken upon formal instruction from Transgrid. If the CEMP is updated, a copy of the CEMP will be provided to DPHI for assessment and approval.

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6. RELATED DOCUMENTS & REFERENCES

- AS/NZS ISO 14001:2015 - Environmental Management System (EMS).
- Commonwealth and State Environmental Legislation and Regulations (as relevant to aspects and impacts to be managed during construction works).
- *Environmental Management Plan Guidelines* (Commonwealth of Australia, 2014)
- Transgrid, (2025) *Mount Piper to Wallerawang Transmission: Environmental Impact Statement*
- Transgrid, (2025) *Mount Piper to Wallerawang Transmission: Technical Report 01_Water*
- Transgrid, (2025) *Mount Piper to Wallerawang Transmission: Technical Report 01_BDAR*
- Transgrid, (2025) *Mount Piper to Wallerawang Transmission: Technical Report 01_Aquatic*
- Transgrid, (2025) *Mount Piper to Wallerawang Transmission: Technical Report 01_Land Use and agriculture*
- Transgrid, (2025) *Mount Piper to Wallerawang Transmission: Technical Report 01_ACHAR (Public Version)*
- Transgrid, (2025) *Mount Piper to Wallerawang Transmission: Technical Report 01_Historic Heritage*
- Transgrid, (2025) *Mount Piper to Wallerawang Transmission: Technical Report 01_LCVIA*
- Transgrid, (2025) *Mount Piper to Wallerawang Transmission: Technical Report 01_Traffic and Transport*
- Transgrid, (2025) *Mount Piper to Wallerawang Transmission: Technical Report 01_Hazard and Risk*
- Transgrid, (2025) *Mount Piper to Wallerawang Transmission: Technical Report 01_Noise and Vibration*
- Transgrid, (2025) *Mount Piper to Wallerawang Transmission: Technical Report 01_Contamination Assessment*
- Transgrid, (2025) *Mount Piper to Wallerawang Transmission: Technical Report 01_Economic and Employment*
- Transgrid, (2025) *Mount Piper to Wallerawang Transmission: Technical Report 01_Social Impact Assessment*
- Transgrid, (December 2025) *Mount Piper to Wallerawang Transmission Line Upgrade Project – Submissions Report*
- Transgrid, (December 2025) *Mount Piper to Wallerawang Transmission Line Upgrade Project – Amendment Report*
- DPHI, (March 2026), *Independent Audit Post Approval Requirements*
- EPA, (July 2009), *Interim Construction Noise Guideline*
- Landcom. (2004). *Managing Urban Stormwater: Soils and Construction (4th Edition), Volumes 1 and 2 (the Blue Book)* IECA. (2008). *Best Practice Erosion & Sediment Control Guidelines (the White Book)*

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Appendix A – CEMP Preparation Checklist

Requirement	Plan reference	Yes/ No/ Not applicable
Document preparation and endorsement		
Has the EMP been prepared in consultation with all relevant stakeholders as per the requirements of the Conditions of Approval?	No consultation was required for this CEMP. Compliance with the CoA is addressed in Table 2-1 and Appendix B.	Yes
Have the views of the relevant stakeholders been taken into consideration? Have appropriate amendments been made to the EMP and does the EMP clearly identify the location of any changes?	No consultation was required for this CEMP.	Not applicable
Has the EMP been internally approved by an authorised representative of the proponent or contractor?	Page 2, Document Approval	Yes
Version and content		
Does the EMP describe the proponent's Environmental Management System (EMS) (if any), and identify how the EMP relates to other documents required by the Conditions of Approval?	Section 4	Yes
Does the EMP include the required general content and version control information?	Page 2, Document Control	Yes
Does the EMP have an introduction that describes the Project, scope of works, site location and any staging or timing considerations?	Section 1, 2.4, 2.5, 2.6, 2.2	Yes
Does the EMP reference the Project description?	Section 2	Yes
Does the EMP reference a Community and Stakeholder Engagement Plan (or similar) or include community and stakeholder engagement actions (if required)?	Section 3	Yes
Have all other relevant approvals been identified? Has appropriate information been provided regarding how each approval is relevant?	Sections 2.3 and 2.4 and Appendices B, C, D and F	Yes
Has the environmental management structure and responsibilities been included?	Section **Error! Reference source not found.**	Yes
Does the EMP include processes for training Project personnel and identify how training and awareness needs will be identified?	Section 4.5	Yes
Does the EMP clearly identify the relevant legal and compliance requirements that relate to the EMP?	Section 2.2 and Appendices B, C, D and F	Yes
Does the EMP include all the Conditions of Approval to be addressed by the EMP and identify where in the EMP each requirement has been addressed?	Table 2-1 Appendix B	Yes
Have all relevant guidelines, policies and standards been identified, including details of how they are relevant?	Section 6	Yes
Is the process that will be adopted to identify and analyse the environmental risks included?	Section 4.6	Yes
Have all the environmental management measures in the EIS been directly reproduced into the EMP?	Appendix D	Yes
Have any additional environmental management measures been included in the EMP?	Appendix D and Management Measures tables in all Sub-Plans	Yes
Have environmental management measures been written in committed language?	Appendix D and Management Measures tables in all Sub-Plans	Yes

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Requirement	Plan reference	Yes/ No/ Not applicable
Have Project environmental management measures, including hold points, been identified and included?	Section 4.3.3, Appendix H	Yes
Are relevant details of environmental monitoring that will be carried out included?	Section 4.9	Yes
Have the components of any environmental monitoring programs been incorporated?	Section 4.9	Yes
Are environmental inspections included?	Section 4.8	Yes
Does the EMP document all relevant compliance monitoring and reporting requirements for the Project?	Section 4.10, 4.13 and 4.14	Yes
Does the EMP describe the types of plans or maps (such as environmental control maps) that will be used to assist with the management of environmental matters on site?	Section 4.11, Appendix G	Yes
Does the EMP list environmental management documents?	Section 4.2 and 6	Yes
Is an auditing program referenced?	Section 4.14	Yes
Does the EMP include the incident notification and reporting protocols that comply with the relevant Conditions of Approval?	Section 4.15.2 and 4.15.3	Yes
Does the EMP identify the Project role/position that is responsible for deciding whether an occurrence is an incident?	Section 4.15.1	Yes
Does the EMP describe a corrective and preventative action process that addresses the requirements?	Section 4.14.3	Yes
Does the EMP include details of a review and revision process that complies with the requirements?	Section 5	Yes

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Appendix B – DPHI Project Conditions of Approval

ID	Condition	Where addressed	Responsibility during Construction	Phase
Part A – Administrative Conditions				
A1	In meeting the specific performance measures and criteria established under this approval, all reasonable and feasible measures must be implemented to prevent, or if prevention is not reasonable and feasible, to minimise any material harm to the environment that may result from pre-construction minor works or the construction and operation of the development, and any rehabilitation or decommissioning required under this approval.	This plan and CEMP sub-plans have been prepared with the intent to prevent and/or minimise any material harm to the environment during construction of the Project. CEMP Section 1.4	Zinfra	Construction Operation
A2	The development must be carried out: a) in compliance with the conditions of this approval; b) in accordance with all written directions of the Planning Secretary; c) generally in accordance with the EIS; and d) generally in accordance with the Development Layout in Appendix 1.	This Plan and CEMP sub-plans and procedures detail how construction of the Project will be undertaken in accordance with the CoA and the documents listed in A2 (c) and (d). CEMP Section 1.4	Zinfra	Construction Operation
A3	The Proponent must comply with any written requirement/s of the Planning Secretary arising from the Department's assessment of: a) the environmental performance of the development; b) any strategies, plans or correspondence that are submitted in accordance with this approval; c) any reports, reviews or audits commissioned by the Department regarding compliance with this approval; d) the implementation of any actions or measures contained in these documents, and e) in respect of ongoing monitoring and management obligations, compliance with an updated or revised version of a guideline, protocol, Australian Standard or policy required to be complied with under this approval.	Noted CEMP Section 1.4	Zinfra	Construction Operation
A4	The conditions of this approval and directions of the Planning Secretary prevail to the extent of any inconsistency, ambiguity or conflict between them and a document/s listed in condition A2(c). In the event of any inconsistency, ambiguity, or conflict between any of the document/s listed in condition A2(c), the most recent document prevails to the extent of the inconsistency, ambiguity, or conflict.	Noted CEMP Section **Error! Reference source not found.**	Zinfra	Construction Operation
A5	Any document that must be submitted within a timeframe specified in or under the terms of this approval may be submitted within a later timeframe agreed with the Planning Secretary. This condition does not apply to the immediate written notification required in respect of an incident under condition C10.	Noted	Zinfra	Construction Operation

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	Lapse of Approval			
A6	This approval will lapse if the Proponent does not physically commence the development within 5 years of the date on which it is granted.	Noted	Transgrid	Construction Operation
	Payment of Reasonable Costs			
A7	The Proponent must pay all reasonable costs incurred by the Department to engage a suitably qualified, experienced, and independent expert(s) to review the adequacy of any environmental management document required under this approval.	Noted	Transgrid	Construction Operation
	Environmental Representative			
A8	Work must not commence until an Environmental Representative (ER) has been approved by the Planning Secretary and engaged by the Proponent.	CEMP Section 4.3.2	Transgrid	Construction
A9	The Planning Secretary's approval of an ER must be sought no later than one (1) month before the commencement of work.	CEMP Section 4.3.2	Transgrid	Construction
A10	The proposed ER must meet the requirements set out in the *Environmental Representative Protocol* (Department of Planning and Environment, October 2018) and must be a suitably qualified and experienced person(s) who was not involved in the preparation of the documents listed in condition A2(c), and is independent from the design and construction of the development.	CEMP Section 4.3.2	Transgrid	Construction
A11	More than one ER may be engaged for the development, in which case the functions to be exercised by an ER under the terms of this approval may be carried out by any ER that is approved by the Planning Secretary.	Noted	Transgrid	Construction
A12	For the duration of work until the completion of construction, or as agreed with the Planning Secretary, the approved ER must: a) receive and respond to communication from the Planning Secretary in relation to the environmental performance of the development; b) consider and inform the Planning Secretary on matters specified in the terms of this approval; c) consider and recommend to the Proponent any improvements that may be made to work practices to avoid or minimise adverse impact to the environment and the community; d) review documents identified in Table 1, Schedule 1, and any other documents that are identified by the Planning Secretary, to ensure they are consistent with the requirements of this approval and if so to: i. make a written statement to this effect before submission of such documents to the Planning Secretary (if those documents are required to be approved by the Planning Secretary); or ii. make a written statement to this effect before the implementation of such documents (if those documents are required to be submitted to the Department for information or are not required to be submitted to the Department); *Note: The written statement must be made via the Major Projects Portal* e) regularly monitor the implementation of the documents identified in Table 1, Schedule 1 to ensure implementation is being carried out in accordance with the document and the terms of this approval;	CEMP Section 4.3.2	Transgrid	Construction

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	f) as may be requested by the Planning Secretary, help plan or attend audits of the development commissioned by the Department including scoping audits, programming audits, briefings and site visits but not independent environmental audits required under C14 of this approval; g) as may be requested by the Planning Secretary, assist in the resolution of community complaints; h) review the appropriateness of any activities reliant on the definition of Pre-construction Minor Works; i) considering any minor amendments (updates or administrative changes that do not increase impacts to the environmental or nearby sensitive receivers) to any documents required under this approval and ensure they are consistent with the terms of this approval and, if satisfied such amendments are necessary, approve the amendment. This does not include any modifications to the terms of this approval; j) having the authority and independence to recommend to the Proponent reasonable steps to be taken to avoid or minimise unintended or adverse environmental impacts, and, failing the effectiveness of such steps, to recommend to the Proponent that relevant activities are to be ceased as soon as reasonably practicable if there is a significant risk that an adverse impact on the environment will be likely to occur; and k) prepare and submit to the Planning Secretary and other relevant regulatory agencies, for information, an ER Monthly Report providing the information set out in the Environmental Representative Protocol (Department of Planning and Environment, October 2018). The ER Monthly Report must be submitted within seven (7) days following the end of each month for the duration of the ER's engagement for the development, or as otherwise agreed by the Planning Secretary.			
A13	The Proponent must provide the ER with all documentation requested by the ER in order for the ER to perform their functions specified in condition A12 (including preparation of the ER monthly report), as well as: a) the complaints register for any complaints received (on the day they are received); and b) a copy of any assessment carried out by the Proponent of whether proposed work is consistent with the approval (which must be provided to the ER before the commencement of the subject work).	CEMP Section 4.3.2	Transgrid	Construction
	Protection of Public Infrastructure			
A14	Unless the Proponent and the applicable authority agree otherwise, the Proponent must: a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by carrying out the development (excluding damage to roads caused as a result of general road usage); and b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development. *Note: This condition does not apply to the upgrade and maintenance of the road network, which is expressly provided for in the conditions of this approval.*	CEMP Section 4.15.7	Zinfra	Construction Operation
	Water Supply Infrastructure - Fish River Water Supply Scheme			
A15	The Proponent must not construct any buildings, structures, roadway, pavement, pipeline, fence, or any other improvement on or under the land within the Fish River Water Supply Scheme infrastructure easement without prior written agreement from WaterNSW.	SWMP	Zinfra	Construction
	Compliance			

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A16	The Proponent must ensure that all of its employees, contractors (and their sub-contractors) are made aware of, and are instructed to comply with, the conditions of this approval relevant to activities they carry out in respect of the development.	CEMP Section 4.5, 4.13	Zinfra	Construction Operation
	Demolition			
A17	The Proponent must ensure that all demolition work on site is carried out in accordance with AS 2601-2001: *The Demolition of Structures* (Standards Australia, 2011), or its latest version.	Noted	Zinfra	Construction
	Structural Adequacy			
A18	All new buildings and structures, and any alterations or additions to existing buildings and structures, that are part of the development, must be constructed in accordance with the relevant requirements of the Building Code of Australia; and where the Building Code of Australia is not applicable, to the relevant Australian Standard. *Notes:* • *Under Part 6 of the EP&A Act, the Proponent is required to obtain construction and occupation certificates for the proposed building works.* • *Environmental Planning and Assessment (Development Certification and Fire Safety) Regulation 2021 sets out the requirements for the certification of the development*	Noted	Transgrid	Construction
	Operation of Plant and Equipment			
A19	All plant and equipment used on site, or in connection with the development must be: a) maintained in a proper and efficient condition; b) operated in a proper and efficient manner.	CEMP Section 2.5	Zinfra	Construction Operation
	Evidence of Consultation			
A20	Where the terms of this approval require consultation to be undertaken, evidence of the consultation undertaken and a tabulated summary must be submitted to the Planning Secretary and ER (as relevant) with the corresponding environmental management document via the NSW Planning Portal. The evidence must include: a) documentation of the engagement with the identified party in the condition of approval that has occurred before submitting the document for approval; b) a log of the dates of engagement or attempted engagement with the identified party; c) documentation of the follow-up with the identified party where engagement has not occurred to confirm that they do not wish to engage or have not attempted to engage after repeated invitations; d) outline of the issues raised by the identified party and how they have been addressed; and e) a description of the outstanding issues raised by the identified party and the reasons why they have not been addressed.	CEMP Section 4.17	Zinfra	Construction Operation
	Applicability of guidelines			
A21	References in the conditions of this approval to any guideline, protocol, Australian Standard or policy are to such guidelines, protocols, Standards or policies in the form they are in as at the date of this approval.	Noted	Zinfra	Construction Operation
A22	However, consistent with the conditions of this approval and without altering any limits or criteria in this approval, the Planning Secretary may, when issuing directions under this approval in respect of ongoing monitoring and management obligations, require compliance with an updated or revised version of such a guideline, protocol, Standard or policy, or a replacement of them.	Noted	Zinfra	Construction Operation
	Community Communication Strategy			
A23	Work must not commence until a community communication strategy has been prepared for the development. The strategy must:	CCS	Zinfra	Construction Operation

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	a) provide mechanisms to facilitate communication between the Proponent and the community, including adjoining affected landowners, during construction. b) identify landowners and potentially impacted receivers; c) ensure that the landowners identified in (a) are consulted during construction; d) set out procedures and mechanisms for the regular distribution of information; e) establish a public liaison officer(s) to engage with the local community; and f) set out procedures and mechanisms: i. through which the community can discuss or provide feedback to the Proponent; ii. through which the Proponent will respond to enquiries or feedback from the community; and iii. to resolve any issues and mediate any disputes that may arise in relation to construction of the development.			
A24	The community communication strategy must be implemented for the duration of pre-construction minor works and construction and for 12 months following the completion of construction.	CCS	Zinfra	Construction Operation
	Noise and Vibration			
B1	**Construction Hours** Pre-construction minor works, construction, demolition, upgrading or decommissioning activities may only be undertaken between: a) 7 am to 6 pm Monday to Friday; b) 8 am to 1 pm Saturdays; and c) at no time on Sundays and NSW public holidays; unless the Planning Secretary agrees otherwise.	CEMP Section 2.6 NVMP	Zinfra	Construction
B2	**Exceptions to Construction Hours** The following activities may be carried outside the hours specified in condition B1: a) the delivery or dispatch of materials as requested by the NSW Police Force or other public authorities for safety reasons; b) emergency work to avoid the loss of life, property or prevent material harm to the environment; c) development activities carried out in accordance with the hours and noise limits specified in any negotiated agreements with sensitive receivers (owners and occupiers), provided the negotiated agreements are in writing and finalised before the commencement of the development activities; d) activities that do not result in noise affected sensitive receivers, as defined in I*nterim Construction Noise Guidelines* (DECC, 2009) (or its latest version); e) road upgrades required by the relevant road authority to be undertaken outside the standard construction hours; f) where a rail authority requires a rail possession for the activities to be performed outside of standard construction hours; g) pre-construction minor works, construction and or upgrading that require a network outage on another distribution or transmission network, and the operator of the network requires the outage and associated works outside standard construction hours; h) where different hours are permitted or required under an EPL in force in respect of the development; or i) pre-construction minor works, construction and or upgrading works carried out in accordance with an Out-of-Hours Work Protocol in accordance with condition B11.	CEMP Section 2.6 NVMP OOHW Protocol	Zinfra	Construction
	Construction and Decommissioning			

B3	The Proponent must take all reasonable and feasible steps to minimise the pre-construction minor works, road upgrades, construction, upgrading or decommissioning noise of the development in the locations where the noise is audible to sensitive receivers, including any associated traffic noise.	CEMP Section 2.6 NVMP	Zinfra	Construction and decommissioning
B4	The Proponent must ensure that the noise generated by any construction, upgrading or decommissioning activities is managed in accordance with the requirements outlined in the *Interim Construction Noise Guideline* (DECC, 2009) (or its latest version).	CEMP Section 2.6 NVMP	Zinfra	Construction and decommissioning
B5	The Proponent must implement mitigation measures with the aim of achieving the road traffic noise assessment criteria for land uses from NSW Road Noise Policy (DECCW, 2011).	NVMP	Zinfra	Construction Operation
B6	The Proponent must implement mitigation measures with the aim of achieving the following vibration limits: a) vibration criteria established using the Assessing vibration: a technical guideline (DEC, 2006) (for human exposure); b) BS 7385 Part 2-1993 “Evaluation and measurement for vibration in buildings Part 2” as they are “applicable to Australian conditions”; and c) vibration limits set out in the German Standard DIN 4150-3: Structural Vibration – effects of vibration on structures (for structural damage).	NVMP	Zinfra	Construction Operation Decommissioning
B7	Where a sensitive receiver is identified as potentially exceeding the construction 'noise affected' noise management level or sleep disturbance criteria established using the Interim Construction Noise Guideline (DECC, 2009), or its latest version, as a result of construction or operation of the construction compounds, reasonable and feasible mitigation measures must be implemented with the objective of reducing construction noise below the relevant criteria at each relevant sensitive receiver. Activities that would exceed the 'noise affected' noise management level or sleep disturbance criteria during construction must not commerce until the measures identified in this condition have been implemented, unless otherwise agreed with the Planning Secretary. However, this does not apply if the Proponent has an agreement with the relevant owner/s of these receivers to generate higher noise levels, and the Proponent has advised the Department in writing of the terms of this agreement. *Note: Mitigation measures may include path barrier controls, at-property treatment, or a combination of path and at-property treatment.*	NVMP OOHW Protocol	Zinfra	Construction Operation Decommissioning
B8	Except for corona discharge noise, the Proponent must ensure that the noise generated by the operation of the development does not exceed the project trigger noise levels (PTNL) established in the Noise Policy for Industry (NPfI), at the reasonably most affected point of the residence, at any residential receiver.	This mitigation measure is relevant for Operations phase. Not applicable to this CEMP. Refer to Section 2.2 for Staging Report.	Transgrid	Operation
B9	The Proponent must: a) take all reasonable and feasible steps to minimise corona discharge noise during operation of the project; b) identify residences predicted to experience corona discharge noise levels above the PTNL at the reasonably most affected point of the residence, determined in accordance with the NPfI, and how often corona noise is expected to be above this this level per year;	This mitigation measure is relevant for Operations phase. Not applicable to this CEMP. Refer to Section 2.2 for Staging Report.	Transgrid	Operation

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	c) implement all reasonable and feasible noise mitigation measures, determined in accordance with the NPfI, at receivers predicted to experience corona discharge noise levels that exceed the noise levels identified in the PTNL.			
	Operational Noise Compliance Verification			
B10	Within 12 months of the commencement of operation of the development, the Proponent must submit to the Planning Secretary, an Operational Noise Compliance Verification report. The assessment must include: the results of baseline corona noise monitoring as required in condition B11(f); a) the results of operational noise monitoring undertaken following the commencement of operation, including, but not limited to, at residences predicted to experience corona discharge noise levels above the PNTL(as required in condition B11(g)); b) a comparison of the actual noise performance of the development against PNTLs established in accordance with the NPfI and against the baseline results in B10(a); c) identification of any additional reasonable and feasible noise mitigation measures that would be required to be implemented to achieve the objective of meeting the PNTLs, a schedule of when these measures are to be implemented and how their effectiveness is to be measured. Any additional noise mitigation measures identified under (d) must be implemented within 12 months of submitting the Operational Noise Compliance Verification report, unless otherwise agreed by the Planning Secretary. The Applicant must undertake further noise monitoring of the development if required by the Planning Secretary.	This mitigation measure is relevant for Operations phase. Not applicable to this CEMP. Refer to Section 2.2 for Staging Report.	Transgrid	Operation
	Noise and Vibration Management Plan			
B11	Prior to the commencement of construction, the Proponent must prepare a Noise and Vibration Management Plan to the satisfaction of the Planning Secretary. The plan must: a) include measures and processes to ensure the requirements in condition B1 to B9 are complied with; b) include a description of the reasonable and feasible measures that would be implemented to minimise noise and vibration impacts of the development; c) include a detailed description of the noise and vibration management system for the development; d) include a protocol for the identification, notification and management of works that exceed the noise management levels; e) include a monitoring program that evaluates and reports on the effectiveness of the noise and vibration management systems and identify additional noise mitigation measures that are to be implemented and the timeframe to be implemented; f) include a baseline corona noise monitoring program to be undertaken for 6 months or where a suitable sample of data collected during weather conditions conductive to corona noise is obtained prior to operation to inform operational corona noise performance objectives, which must: i. be prepared in accordance with the NPfI; ii. include a combination of attended and unattended noise monitoring to evaluate the corona noise emitted by the existing operational transmission line;	NVMP OOHW Protocol	Zinfra	Construction Operation Decommissioning

	iii. monitor noise at locations representative of the residences with the greatest risk of experiencing impacts to noise amenity from corona noise during operation; and iv. include a detailed meteorological study, containing localised data collected near the monitoring locations to determine the weather conducive to corona noise that are associated with exceedance of NPfI objectives; g) include a monitoring program that evaluates the operational noise performance of the development and the effectiveness of operational noise mitigation measures, which must: i. be prepared in accordance with the NPfI; ii. incorporates the results of the baseline corona noise monitoring in B11(f) above; iii. monitor noise at locations representative of the residences with the greatest risk of experiencing impacts to noise amenity from corona noise during operation; and iv. include a detailed meteorological study, containing localised data collected near the monitoring locations to determine the weather conducive to corona noise that are associated with exceedance of NPfI objectives; and v. provide analysis of the statistical occurrences of meteorological conditions that cause exceedance of NPfI objectives; h) include an Out-of-Hours Work Protocol to identify a process for the consideration, management and approval of works outside the hours defined in condition B1, which must: i. be prepared in consultation with the relevant Council; ii. identify low risk activities that can be undertaken without the approval of the Planning Secretary and with the approval of the ER; iii. identify high risk activities that must be approved by the Planning Secretary; and iv. identify Department, Council and community notification arrangements for approved out of hours work Following approval, the Proponent must implement the Noise and Vibration Management Plan.			
	Air Quality			
B12	In addition to the performance outcomes, commitments and mitigation measures specified in the EIS, the Proponent must take all reasonable steps to: a) minimise the dust generated by the development; and b) minimise the surface disturbance of the site.	SWMP	Zinfra	Construction
	Soil and Water			
B13	**Water supply** The Proponent must ensure that it has sufficient water for all stages of the development, and if necessary, adjust the scale of the development to match its available water supply. *Note: Under the Water Act 1912 and/or the Water Management Act 2000, the Proponent is required to obtain the necessary water licences before commencing any works which intercept or extract groundwater or surface water (unless an exemption applies).*	SWMP	Zinfra	Construction Operation Decommissioning
B14	**Erosion and sedimentation** The Proponent must: a) minimise erosion and control sediment generation; and b) ensure all land disturbances have appropriate drainage and erosion and sediment controls designed, installed and maintained in accordance with *Best Practice Erosion and Sediment Control* (IECA, 2008), *Managing Urban Stormwater – Soils and Construction Volume 1* (Landcom, 2004), *Managing Urban Stormwater – Soils and Construction Volume 2A Installation of Services* (DECC, 2008) and *Managing Urban Stormwater –*	SWMP	Zinfra	Construction Operation Decommissioning

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	Soils and Construction Volume 2C Unsealed Roads (DECC, 2008), or their latest versions.			
B15	**Pollution of waters** Unless otherwise authorised by an EPL, the Proponent must ensure the development does not cause any water pollution, as defined under Section 120 of the POEO Act.	SWMP	Zinfra	Construction Operation Decommissioning
B16	The Proponent must: a) design, construct and maintain an appropriate water management system at all construction compounds to prevent pollution; b) minimise any spills of hazardous materials or hydrocarbons, and clean up any spills as soon as possible after they occur.	SWMP	Zinfra	Construction
B17	**Riparian Areas** The Proponent must ensure all activities on waterfront land are constructed in accordance with the Guidelines for *Controlled Activities on Waterfront Land* (DPE 2022), *Why do Fish Need to Cross the Road? Fish Passage Requirements for Waterway Crossings* (NSW Fisheries 2003) and the Policy and *Guidelines for Fish Habitat and Conservation and Management* (NSW Fisheries, 2013), unless Water Group and DPIRD Fisheries agrees otherwise.	BMP SWMP	Zinfra	Construction
B18	**Flooding** The Proponent must ensure that the development does not materially alter the flood storage capacity, flows or characteristics in the development area or off-site.	SWMP Emergency MP	Zinfra	Construction
B19	**Soil and Water Management Plan** Prior to the commencement of construction the Proponent must prepare a Soil and Water Management Plan for the development to the satisfaction of the Planning Secretary. This plan must: a) be prepared in consultation with the relevant Council, CPHR, Water Group and WaterNSW; b) detail how the Proponent would: i. ensure the requirements in conditions B13 to B18 are met; ii. manage flood risk during construction and operation; iii. investigate, assess and manage contaminated land, soils and groundwater in the development area; iv. investigate, assess and manage the potential for asbestos and other hazardous materials in the development area; v. manage any unexpected and / or suspected contaminated land and asbestos excavated, disturbed or otherwise discovered during construction; c) detail how the Proponent would manage groundwater inflows and extraction during construction including groundwater trigger action response measures if groundwater inflows are greater than 3 ML / year; and d) include a program to monitor and report on the impacts and environmental performance of the development. Following approval, the Proponent must implement the Soil and Water Management Plan.	SWMP	Zinfra	Construction
	Biodiversity			
B20	**Restrictions of Clearing and Habitat** Unless otherwise agreed with the Planning Secretary, the Proponent must: a) ensure that the vegetation and habitat clearing limits specified in Table 2-1, Table 2-2 and Table 3-3 of Appendix 2 are not exceeded; and b) minimise: i. the impacts of the development on hollow-bearing trees;	BMP	Zinfra	Construction

	ii. the impacts of the development on threatened species; and iii. the clearing of native vegetation and key habitat.			
B21	**Biodiversity Offsets** Prior to undertaking any development activities that would directly or indirectly impact on biodiversity values requiring offset, the Proponent must retire biodiversity credits of the number and classes specified in Table 2-1, Table 2-2 and Table 2-3 of Appendix 2.	BMP	Transgrid	Development
B22	Condition B21 must be carried out in accordance with section 6.4 of the *Biodiversity Conservation Act 2016* and section 6.2 of the *Biodiversity Conservation Regulation 2017*.	BMP	Transgrid	Development
B23	Prior to carrying out any development activities that would directly or indirectly impact on biodiversity values required to be offset, evidence must be provided to the Planning Secretary that conditions B21 and B22 have been met. If the approval provides for stages of development and specifies staged retirement of biodiversity credits, the Planning Secretary may approve the retirement of credits in stages, if adequate evidence is provided for the relevant stage.	BMP	Transgrid	Development
B24	**Biodiversity Management Plan** Prior to carrying out any development that could impact biodiversity values that require offsetting, the Proponent must prepare a Biodiversity Management Plan for the development to the satisfaction of the Planning Secretary. This plan must: a) be prepared by a suitably qualified and experienced biodiversity expert/s; b) be prepared in consultation with CPHR and NPWS; c) be prepared generally in accordance with the BDAR; d) include a description of the measures that would be implemented for: i. meeting the biodiversity mitigation requirements in condition B20; ii. minimising: • the amount of vegetation clearing on site; • the loss of key fauna habitat (including tree hollows); • the impacts to fauna on site, including undertaking pre-clearance surveys; and • potential indirect or prescribed impacts on threatened flora and fauna species; iii. ensuring the development does not adversely affect the native vegetation and habitat outside the development area; iv. protocols for unexpected finds of threatened species and threatened ecological communities within the development area including the requirements for: • all work in the associated location to stop to prevent further impact, and • notification to the Planning Secretary and CPHR in writing on any additional mitigation measures to be implemented; and • relevant agencies to be consulted and the Planning Secretary to endorse recommencement of work; v. connectivity strategy for the potentially impacted species identified in the BDAR; vi. rehabilitation of temporary disturbance areas to facilitate natural regeneration with suitable native species; vii. maximising the salvage of resources within the approved development area – including vegetative and soil resources – for beneficial reuse (such as fauna habitat enhancement) during the rehabilitation and revegetation of the site; viii. collecting and propagating seed (where relevant); ix. controlling erosion, weeds and feral pests; x. bushfire management; xi. minimising impacts on entities at risk of a serious and irreversible impact (SAII), including the Large-eared Pied Bat; and	BMP	Zinfra	Construction

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	e) include a program to monitor, evaluate and publicly report on the effectiveness of these measures. Following approval, the Proponent must implement the Biodiversity Management Plan.			
	Heritage			
B25	**Protection of Heritage Items** The Proponent must: a) ensure the development does not cause harm to any historic heritage items (see Table 3-3 of Appendix 3) or Aboriginal cultural heritage items (see Table 3-1 of Appendix 3) ; b) manage the Aboriginal cultural heritage identified in Table 3-2 of Appendix 3 in accordance with the specified mitigation management measures and in accordance with the requirements of the Aboriginal Cultural Heritage Management Plan, as outlined in condition B27, including any subsequent revision of this plan; c) manage the historic heritage identified in Table 3-3 of Appendix 3 in accordance with the requirements of the Historic Heritage Management Plan, as outlined in condition B26, including any subsequent revision of this plan; d) salvage and relocate items that would be impacted to a suitable location, in accordance with the Aboriginal Cultural Heritage Management Plan described in condition B27; and e) develop an Unexpected Finds Procedure including a contingency plan and reporting procedure, in accordance with the guidelines and standards specified by Heritage NSW, to be implemented for the duration of the project. The procedure must include the requirement to notify Heritage NSW of any identified relics or Aboriginal objects, and register any newly identified Aboriginal objects or sites in the AHIMS database.	HHMP ACHMP	Zinfra	Construction
B26	**Historic Heritage Management Plan** Prior to carrying out any development that could harm historic heritage items, the Proponent must prepare a Historic Heritage Management Plan for the development to the satisfaction of the Planning Secretary. The plan must: a) be prepared by suitably qualified and experienced heritage specialist whose appointment has been endorsed by the Planning Secretary; b) be prepared in consultation with Lithgow City Council and reviewed by Heritage Council of NSW; c) identify and map known items of heritage significance within and surrounding the development area; d) include a description of the measures that would be implemented for: i. protection of heritage items identified in Table 3-3 of Appendix 3 ii. Wallerawang Rail Bridges over Coxs River (SHR no. 01064), including: • vibration monitoring if required, as determined in consultation with a suitably qualified heritage specialist; and • a trigger action response plan to identify and implement further mitigation measures to ensure negligible impact; iii. ensuring workers on site receive suitable heritage inductions prior to carrying out any development on site, and that records are kept of these inductions. e) include the Unexpected Finds Procedure, and f) include a program to monitor and report on the effectiveness of management measures and any environmental heritage impacts of the project. Following approval, the Proponent must implement the Historic Heritage Management Plan.	HHMP	Zinfra	Construction
B27	**Aboriginal Cultural Heritage Management Plan**	ACHMP	Zinfra	Construction

	Prior to the carrying out of any development that could harm Aboriginal heritage items, the Proponent must prepare an Aboriginal Cultural Heritage Management Plan to the satisfaction of the Planning Secretary. The plan must: a) be prepared by suitably qualified and experienced person/s whose appointment has been endorsed by the Planning Secretary; b) be prepared in consultation with Registered Aboriginal Parties and reviewed by Heritage NSW; c) include a description of the measures (and associated methodologies) that would be implemented for: i. undertaking the management activities specified in Table 3-2 of Appendix 3, including a detailed methodology for each of the approved management activities; ii. the long-term management of any Aboriginal heritage items or cultural material collected; iii. ensuring workers on site receive suitable heritage inductions prior to carrying out any development on site, and that records are kept of these inductions; iv. ongoing consultation and involvement of Registered Aboriginal Parties in the management of Aboriginal cultural heritage and v. preparing Aboriginal Site Impact Recording Forms (ASIRFs) for all impacted Aboriginal heritage sites following construction activities, with ASIRFs to be submitted to the Aboriginal Heritage Information Management System (AHIMS) registrar. d) include the Unexpected Finds Procedure, and e) include a program to monitor and report on the effectiveness of management measures and any Aboriginal cultural heritage impacts of the project. Following approval, the Proponent must implement the Aboriginal Cultural Heritage Management Plan.			
	Traffic and Transport			
B28	**Designated Heavy and Heavy Vehicles Requiring Escort Routes** All heavy vehicles requiring escort associated with the development must only travel to and from the site via the construction routes described in the EIS, as identified in Figure 4-1 and Figure 4-2 in Appendix 4, unless the Planning Secretary agrees otherwise. *Note: The Proponent is required to obtain relevant permits under the Heavy Vehicle National Law (NSW) for the use of over-dimensional vehicles on the road network.*	TTMP	Zinfra	Construction
B29	All heavy and light vehicles associated with construction, upgrading and decommissioning of the development must travel to and from the site via the construction routes as described in the EIS and identified in the Figure 4-1 and Figure 4-2 in Appendix 4 unless the Planning Secretary agrees otherwise.	TTMP	Zinfra	Construction Operation Decommissioning
B30	Unless the Planning Secretary agrees otherwise, heavy vehicles (excluding heavy vehicles requiring escort) used for the development must not exceed 19 m in length.	TTMP	Zinfra	Construction
B31	Unless the Planning Secretary agrees otherwise, development vehicles (excluding heavy vehicles requiring escort) are not permitted: a) to turn right turn into Karawatha Drive from Castlereagh Highway; b) to turn right turn into Brays Lane from Castlereagh Highway; and c) to turn right turn right into Access Point 10 from Castlereagh Highway.	TTMP	Zinfra	Construction
B32	**Transport Strategy**	TTMP	Zinfra	Construction

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	Prior to use of the alternative route (shown on Figure 4-2 in Appendix 4), the Applicant must prepare a Transport Strategy to the satisfaction of the Planning Secretary. The Transport Strategy must: a) be prepared by a suitably qualified and experienced person; b) be prepared in consultation with Lithgow City Council; c) include an assessment of potential impacts associated with the use of the route by heavy vehicles requiring escort, including in relation to the capacity and condition of the roads, road safety and intersection performance; d) identify appropriate mitigation measures to minimise traffic safety impacts and disruptions to local road users along the route; and e) demonstrate that the use of the route by heavy vehicles requiring escort, and measures identified in (d), can be accommodated without the need for a road upgrade and would have no more than a minimal impact on the environment and the community. Proposed mitigation measures must be included in the Traffic and Transport Management Plan.			
B33	**Road Upgrades** Unless the Planning Secretary agrees otherwise, the Proponent must implement the road upgrades identified in Table 4-1 in Appendix 4 in accordance with the relevant standard and timing requirements in Table 4-1 in Appendix 4, and to the satisfaction of the relevant roads authority. If there is a dispute about the road upgrade works, or the implementation of these works, then either party may refer the matter to the Planning Secretary for resolution.	TTMP	Zinfra	Construction
B34	**Road Maintenance** The Proponent must: a) undertake an independent dilapidation survey: i. assessing the existing condition of all local or regional roads on the transport route shown in Figure 4-1 and Figure 4-2 in Appendix 4 (including local road crossings) prior to use of the relevant road by development related heavy vehicles for the purposes of construction, upgrade or decommissioning works; and ii. assessing the condition of all local roads on the transport route (including local road crossing); • within 1 month of all the completion of construction, upgrading or decommissioning works, or within a timeframe agreed to by the relevant roads authority/manager; • on an annual basis during construction, or within a timeframe agreed to by the relevant authority/manager; b) repair (or pay the full costs associated with repairing) any damage to local roads on the transport route (including local road crossings) that are as a result of development related road traffic: i. as soon as possible after the damage is identified but within 7 days at the latest if it could endanger road safety; or ii. within 2 months of the completion of the survey; or iii. within a timeframe agreed to by the relevant roads authority/manager. c) prepare a report on the road repairs completed in consultation with the relevant roads authority. If there is a dispute about the road maintenance works, or the implementation of these works, then either party may refer the matter to the Planning Secretary for resolution.	TTMP	Zinfra	Construction
B35	**Traffic and Transport Management Plan** Prior to commencing construction or road upgrades identified in condition B33 (whichever comes first), the Proponent must prepare a Traffic and Transport Management Plan for the development	TTMP	Zinfra	Construction

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	in consultation with TfNSW, Lithgow City Council, NPWS and to the satisfaction of the Planning Secretary. The plan must include: a) details of the transport route to be used for all development-related traffic; b) details of the road upgrade works required by condition B33; c) details of the measures that would be implemented to comply with the transport management requirements in conditions B28 to B34; d) details of measures as stated within the EIS; e) a structural assessment, undertaken by a suitably qualified structural engineer and agreed to by Lithgow City Council, of the bridges on Brays Lane along the transport route (Figure 4-2, Appendix 4) to confirm the bridges can accommodate all construction vehicles f) details of the measures that would be implemented to: i. minimise traffic safety impacts of the development and disruptions to local road users during construction, upgrading or decommissioning works, including: • measures for restricting concurrent heavy vehicle movements at the Karawatha Drive and Castlereagh Highway intersection such as staggering heavy vehicle arrivals and departures; • measures to minimise traffic impacts in the event of an emergency outage recall including staggering heavy vehicles arrivals outside of the network peak where possible; • consultation with Centennial Coal prior to the usage of Access Point 2 to minimise disruption to site operations; • a description of the proposed timeframe and schedule of construction works; • a description of the proposed dilapidation surveys required by condition B34; • a description of the proposed measures for managing traffic flow around the work sites and construction compounds; • procedures for stringing cables and transmission lines across roads to ensure compliance with Austroads Guide to Traffic Management; • procedures for notifying NPWS of proposed traffic impacts on NPWS estate; • scheduling all development traffic to avoid peak periods where reasonable and feasible; • reducing the speeds of development-related traffic at key intersections (excluding on the State road network); • temporary traffic controls, including detours and signage; • notifying the local community about development-related traffic impacts; • procedures for receiving and addressing complaints from the community about development related traffic; • minimising potential cumulative traffic impacts with other projects in the area; • minimising potential conflict between development-related traffic and rail services, including preventing queueing on the public road network; • implementing measures to minimise development-related traffic on the public road network outside standard construction hours; • minimising dirt and debris tracked on to the public road network from development related-traffic;			

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	• details of the employee shuttle bus service (if used), including pick-up and drop-off points and associated parking arrangements for construction workers, and measures to encourage employee use of this service; • measures for managing light vehicle peak numbers, such as car-pooling or ride sharing by employees; • scheduling the haulage vehicle movements to minimise convoy lengths or platoons; • responding to local climate conditions that may affect road safety, such as, fog, dust, wet weather and flooding; • ensuring loaded vehicles entering or leaving the site have their loads covered or contained and leave site in a forward direction; • a schedule for the periodic inspection and maintenance of the condition of all local roads used by development-related traffic; • responding to any emergency repair or maintenance requirements; • provisions for maintaining emergency vehicle access to the site at all times; • a traffic management system for managing over-dimensional vehicles; and • fatigue management i. minimise the impacts of the road and intersection upgrades of the development ii. minimises parking on the public road network; iii. maintain all roads and water-related infrastructure on site in a safe and serviceable condition; iv. restrict travel underneath Wallerawang Rail Bridges over Cox's River to light vehicles only v. minimise the traffic noise impacts of the development; g) include a drivers code of conduct that addresses: i. travelling speeds; ii. procedures to ensure that drivers to and from the development adhere to the designated heavy vehicles requiring escort and heavy vehicle routes; iii. procedures to ensure that drivers to and from the development implement safe driving practices; and; iv. including a detailed program to monitor and report on the effectiveness of these measures and the code of conduct. h) include a program to: i. ensure drivers working on the development receive suitable training on the code of conduct and any other relevant obligations under the Traffic and Transport Management Plan; ii. record and track vehicle movements; and iii. monitor and publicly report on the effectiveness of these measures. i) a flood response plan detailing procedures and options for safe access to and from the site in the event of flooding. Following approval, the Proponent must implement the Traffic and Transport Management Plan.			
	Gardens of Stone State Conservation Area			
B36	The Proponent must ensure that project related upgrades to trails within the Gardens of Stone Conservation Area are completed in consultation with NPWS. Upon finalisation of construction activities, trails in the Gardens of Stone Conservation Area must be completed to meet the standards in the Department of Land & Water Conservation guideline entitled "*Guidelines for the*	BMP RMP	Zinfra	Construction

	Planning, Construction and Maintenance of Trails" and in accordance with the *Blue Book Volume 2C - Erosion and Sediment Control on Unsealed Roads* (NSW Govt, Office of Environment & Heritage, 2012) and applicable sections of *Managing Urban Stormwater: Soils and Construction Volume 1* (Landcom 2004). If there is a dispute about the scope of any upgrades or the implementation of these works, then either party may refer the matter to the Planning Secretary for resolution.			
	Visual Amenity			
B37	Unless the Planning Secretary agrees otherwise, for a period of 2 years from the commencement of operations, the three receivers represented by VP06 as identified in the EIS and on the development layout in Figure 1-1 in Appendix 1 may ask the Proponent to implement visual impact mitigation measures on their land to minimise the visual impacts of the development on their residence. Upon receiving such a written request from the owner of these residences, the Proponent must implement appropriate mitigation measures (such as landscaping and vegetation screening) in consultation with the owner. These mitigation measures must be reasonable and feasible, aimed at reducing the visibility of the transmission line and towers from the residence, and commensurate with the level of visual impact on the residence. All agreed mitigation measures must be implemented within 12 months of receiving the written request, unless the Planning Secretary agrees otherwise. If the Proponent and the owner cannot agree on the measures to be implemented, or there is a dispute about the implementation of these measures, then either party may refer the matter to the Planning Secretary for resolution. To avoid any doubt, mitigation measures are not required to be implemented to reduce the visibility of transmission lines and towers from any other locations on the property other than the residence and its curtilage.	RMP	Transgrid	Operation
	Visual Appearance			
B38	The Proponent must: a) take reasonable steps to minimise the visual impacts of the development; b) not mount any advertising signs or logos on site, except where this is required for identification or safety purposes;	CEMP Section 3.5	Zinfra	Construction Operation Decommissioning
B39	**Lighting** The Proponent must: a) take all reasonable steps to minimise the off-site visual impacts of the development; and b) ensure that any external lighting associated with the development: i. is installed as low intensity lighting (except where required for safety or emergency purposes); ii. does not shine above the horizontal; an iii. complies with *Australian/New Zealand Standard AS/NZS 4282:2019 – Control of Obtrusive Effects of Outdoor Lighting*.	CEMP Section 3.5	Zinfra	Construction Operation Decommissioning
B40	**Radio communications** If the development results in the disruption to any radio communications services (including point-to-point microwave links) in the area, then the Proponent must make good any disruption to these services as soon as possible following the disruption, but no later than 1 month following the	CEMP Section 4.7	Zinfra	Design Construction Operation

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	disruption of the service unless the relevant service provider or user or Planning Secretary agrees otherwise.			
	Hazard and Risk			
B41	**Dangerous Goods** The quantities of dangerous goods stored and handled at the site must be below the threshold quantities listed in the Department's H*azardous and Offensive Development Application Guidelines – Applying SEPP 33* at all times.	Work Health and Safety Management Plan (WHSMP)	Zinfra	Construction
B42	All explosives, fuels and oils must be stored and handled in accordance with: a) the requirements of all relevant Australian Standards; including and not limited to *Australian Standard 2187 Explosives – Storage, transport and use*; and b) the NSW EPA's *Storing and Handling of Liquids: Environmental Protection – Participants Manual*, if the chemicals are liquids.	WHSMP and SWMP	Zinfra	Construction
B43	In the event of an inconsistency between the requirements of the documents listed in condition B42, the most stringent requirement must prevail to the extent of the inconsistency.	WHSMP and SWMP	Zinfra	Construction
B44	**Electric and Magnetic Fields** The Proponent must ensure that the design, construction and operation of the development is managed to comply with the applicable electric and magnetic fields () limits in the *International Commission on Non-Ionizing Radiation Protection (ICNIRP) Guidelines for limiting exposure to time-varying electric and magnetic fields* (1Hz – 100 kHz) (ICNIRP, 2010).	CEMP Section 4.7	Transgrid	Design Construction Operation
B45	**Bushfire Safety** The Proponent must: a) minimise the fire risks of the development, including managing vegetation fuel loads on-site; b) ensure that the development: i. complies with the relevant asset protection requirements in the RFS's *Planning for Bushfire Protection 2019* (or equivalent) and *Standards for Asset Protection Zones*; ii. access tracks to the construction compounds must comply with property access requirements of Table 5.3b of *Planning for Bushfire Protection* (PBP) 2019; iii. is suitably equipped to respond to any fire on site, including provision of a 20,000 litre water supply tank fitted with a 65 mm Storz fitting and a FRNSW compatible suction connection located at each of the construction compounds; and iv. incorporates the recommendations of a fire risk assessment as per the network operator's design standards. c) ensure that buildings with the compounds comply with Australian Standard *AS3959-2018 Construction of buildings in bushfire-prone areas* (or equivalent) and RFS's *Planning for Bushfire Protection 2019*; d) ensure any fire trails or asset protection zones associated with the development are wholly contained within the approved development area; e) develop procedures to manage potential fires on site, in consultation with the RFS, FRNSW and NPWS; f) assist the RFS, FRNSW, NPWS and emergency services as much as practicable if there is a fire in the vicinity of the site; and g) notify the relevant local emergency management committee following completion of construction of the development, and prior to commencing operations.	Bushfire Management Plan	Zinfra	Construction
B46	**Emergency Plan**	Emergency Plan	Zinfra	Construction

	An emergency plan must be prepared for the development. The plan must: a) be prepared and implemented prior to commencing construction; b) be prepared in consultation with FRNSW, RFS, and NPWS; c) be provided to the local Fire Control Centre, relevant local emergency management committee and FRNSW; d) be consistent with the Department's Hazardous Industry Planning Advisory Paper No. 1, '*Emergency Planning*' and RFS's *Planning for Bushfire Protection 2019* guideline; e) include details on general emergency management planning; f) detail access provisions for emergency vehicles and contact details for both a primary and alternative site contact who may be reached 24/7 in the event of an emergency; g) include procedures for the storage and maintenance of any flammable materials; h) include bushfire emergency management planning consistent with A Guide to Developing a *Bush Fire Emergency Management and Evacuation Plan* (RRFS, 2014) and *Planning for Bushfire Protection* (RFS, 2019, or equivalent) including; i. details of the location, management and maintenance of the Asset Protection Zone and on-site water supply tanks; ii. a list of works that should not be carried out during a total fire ban; iii. identify the fire risks and hazards and details measure for the development to prevent fires igniting; iv. include availability of fire suppression equipment, access and water; v. details of how RFS would be notified, and procedures that would be implemented in the event that: • there is a fire on-site or in the vicinity of the site; • there are any activities on site that would have the potential to ignite surrounding vegetation; or • there are any proposed activities to be carried out during a bushfire danger period; and vi. detail specific response measures in the case of flood to ensure site safety; i) include emergency management and evacuation procedures and identification of specific emergency exit routes to be used in the case of flood and include evidence of access agreements with relevant landowners (e.g. right of carriageway); j) include an Emergency Services Information Package in accordance with Emergency Services information and tactical fire plan (FRNSW, 2019) to the satisfaction of FRNSW; k) include an Emergency Responders Induction Package to inform first responders of site-specific features and safety measures l) operational procedures in the event of bushfires to minimise interference with aerial firefighting operations, and m) include details of how live transmission infrastructure can be safely isolated in an emergency. Two copies of the plan and Emergency Services Information Package must be kept on-site in prominent positions adjacent to the site entry point(s) at all times.			
	Waste			
B47	Waste generated during pre-construction minor works, road upgrades, construction, operation, upgrading and decommissioning must be dealt with in accordance with the following priorities: a) waste generation must be avoided and where avoidance is not reasonably practicable, waste generation must be reduced; b) where avoiding or reducing waste is not possible, waste must be re-used, recycled, or recovered; and	WMP	Zinfra	Construction Operation Decommissioning

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	c) where re-using, recycling or recovering waste is not possible, waste must be treated or disposed of.			
B48	The importation of waste and storage, treatment, processing, reprocessing or disposal of such waste must comply with the Protection of the Environment Operations Act 1997, the Protection of the Environment Operations (Waste) Regulation 2014, and orders or exemptions under the regulation.	WMP SWMP	Zinfra	Construction Operation Decommissioning
B49	Waste must only be exported to a site licensed by the EPA for the storage, treatment, processing, reprocessing or disposal of the subject waste, or in accordance with a Resource Recovery Exemption or Order issued under the Protection of the Environment Operations (Waste) Regulation 2014, or to any other place that can lawfully accept such waste.	WMP SWMP	Zinfra	Construction Operation Decommissioning
B50	All waste that is removed from site must be classified in accordance with the EPA's Waste Classification Guidelines, with appropriate records and disposal dockets retained for audit purposes.	WMP SWMP	Zinfra	Construction Operation Decommissioning
B51	**Waste management plan** Prior to commencing construction, the Proponent must prepare and implement a Waste Management Plan in consultation with the relevant Council(s), and the EPA. This plan must detail: a) the anticipated quantity, type and quality of the waste to be generated and their intended fate; b) details of how waste will be segregated, handled, stored, managed and then collected and transported for treatment and/or disposal; c) any materials produced which will require a specific Resource Recovery Order; d) any materials produced under a Resource Recovery Order, and the controls and procedures in place for meeting the conditions of that order; e) any testing or monitoring procedures; f) how materials segregation will be achieved, particularly the segregation of contaminated soils, resource recovery materials and waste generated; and g) the capability of the waste management facilities in Council(s) LGAs to accept the volumes of waste, predicted to be deposited and any associated approvals required to create and/or expand waste storage or disposal facilities and arrangements for transporting waste to the waste management facilities.	WMP	Zinfra	Construction
	Accommodation and Employment Strategy			
B52	Prior to commencing construction, the Proponent must prepare an Accommodation and Employment Strategy for the development. This strategy must: a) be prepared in consultation with relevant Council(s) and informed by consultation with local accommodation and employment service providers; b) propose measures to ensure there is sufficient accommodation for the workforce associated with the development; c) consider the cumulative impacts associated with other State significant development projects in the area; d) investigate options for prioritising the employment of local workers and use of local businesses during the construction and operation of the development, where feasible; and e) include a program to monitor and review the effectiveness of the strategy over the life of the development, including regular monitoring and review during construction, upgrading and decommissioning. The Proponent must provide a copy of the Accommodation and Employment Strategy to the Planning Secretary prior to commencement of construction, and implement the Strategy.	Accommodation and Employment Strategy	Zinfra	Construction

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<table>
<tr><td></td><td colspan="4">Rehabilitation</td></tr>
<tr><td>B53</td><td>Unless the Planning Secretary agrees otherwise, within 6 months of the completion of construction, upgrading or decommissioning, the Proponent must rehabilitate the areas where ancillary facilities are located. Rehabilitation must comply with the objectives in Table 2.

Table 2.
Table 2 – Rehabilitation objectives
<table><tr><th>Feature</th><th>Objective</th></tr><tr><td>Ancillary Facilities</td><td>• Safe, stable and non-polluting
• progressively rehabilitate the site as soon as possible following disturbance
• to be decommissioned and removed, unless the Planning Secretary agrees otherwise</td></tr><tr><td>Waterway Crossings</td><td>• Rehabilitated in accordance with Guidelines for controlled activities on waterfront land (NRA, 2018), Why do fish need to cross the road? Fish passage requirements for waterway crossings (DPI Fisheries, 2003); and Policy and guidelines for fish habitat conservation and management (DPI, 2023)</td></tr><tr><td>Land Use</td><td>• Restore or maintain land capability to pre-existing use</td></tr><tr><td>Community</td><td>• Ensure public safety</td></tr><tr><td>State Conservation Area land</td><td>• Rehabilitate temporary disturbance areas to facilitate natural regeneration of suitable native species, to the satisfaction of NPWS.
• Access trail network is consistent with the Gardens of Stone SCA Vehicle Access Strategy (NPWS- DCCEEW 2024), to the satisfaction of NPWS.</td></tr></table></td><td>RMP</td><td>Zinfra</td><td>Construction
Decommissioning</td></tr>
<tr><td>B54</td><td>Rehabilitation Management Plan – State Conservation Area
Unless the Planning Secretary agrees otherwise, within 6 months of the commencement of construction, the Proponent must prepare a Rehabilitation Management Plan for the development area within the State Conservation Area. The plan must:
a) be prepared by a suitably qualified and experienced person in consultation with the NPWS;
b) describe the detailed measures that would be implemented to comply with the rehabilitation objectives in Table 2 and addressing
i. temporary disturbance areas; and
ii. access trails.</td><td>RMP</td><td>Zinfra</td><td>Construction</td></tr>
<tr><td>B55</td><td>The Proponent must implement the Rehabilitation Management Plan.</td><td>RMP</td><td>Zinfra</td><td>Construction</td></tr>
<tr><td></td><td colspan="4">Environmental Management Plan</td></tr>
<tr><td>C1</td><td>Prior to commencing construction, the Proponent must prepare an Environmental Management Plan for the development to the satisfaction of the Planning Secretary. This Plan must:</td><td>CEMP and associated sub-plans</td><td>Zinfra</td><td>Construction</td></tr>
</table>

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	a) provide the strategic framework for environmental management of the development; b) identify the statutory approvals that apply to the development; c) identify the Environmental Management Documents required for each stage and phase of the development consistent with the Staging Report prepared under condition C4; d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development; e) include an environmental risk assessment of the development activities and specific risk management controls/mitigation measures to: i. comply with statutory requirements, limits or performance measures and criteria; ii. manage the predicted impacts and risks identified in the EIS; and iii. manage any other environmental risk or impact that has been subsequently identified after the EIS was submitted; *Note: Environmental risk assessment cannot be used to assess physical changes to the development or an increase in impacts that are not described and assessed in the EIS. These may require a new planning approval and may need to be referred to the Department.* f) include an adaptive management process to be implemented if the review of the risk assessment indicates that any measure that has been implemented is not effective in managing the identified risk(s) and a process to update the measure; *Note: If a management plan is prepared for a particular environmental aspect, the plan may refer to the monitoring and evaluation processes detailed in the relevant management plan.* g) set out the procedures that would be implemented to: i. keep the local community and relevant agencies informed about the operation and environmental performance of the development; ii. receive, handle, respond to, and record complaints; iii. resolve any disputes that may arise; iv. respond to any non-compliance; v. respond to emergencies; and h) include: i. references to any strategies, plans and programs approved under the conditions of this approval; ii. a clear plan depicting all the monitoring to be carried out in relation to the development, including a table summarising all the monitoring and reporting obligations under the conditions of this approval; and i) include the complaints handling protocol required by condition C2. The Proponent must not commence construction until the Environmental Management Plan is approved by the Planning Secretary.			
C2	**Complaints handling protocol** The Proponent must prepare a Complaints Handling Protocol for the development. The Protocol must: a) detail how complaints would be received by the Proponent; b) detail how the contact details for receiving complaints would be communicated to surrounding businesses and/or landowners; and c) include a complaints register to record the date, time and nature of the complaint, details of the complainant and any actions take to address the complaint. The complaints register must be submitted to the Planning Secretary upon request.	CEMP Section 3.3 CCS	Zinfra	Construction
C3	If updates to an environmental management document are required: a) to include new information or changes to the development as a result of:	CEMP Section 5.1 and associated sub-plans	Zinfra	Construction Operation

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	i. a modification of project approval; or ii. a change in the phase of development as notified under condition C10; b) to update risk controls or mitigation measures in response to a change in risk level identified by review of the environmental risk assessment required by condition C1(f); c) to address the findings of an Independent Environmental Audit under condition C14; d) to implement the findings of an incident report required by condition C16; e) to comply with a directive by the Planning Secretary; The relevant environmental management document(s) must be revised and submitted to the Planning Secretary for approval within three months unless otherwise agreed by the Planning Secretary. Note: This is to ensure that environmental management documents are updated regularly and to incorporate any recommended measures to improve the development's environmental performance.			Decommissioning
C4	**Staging development delivery** The development may be undertaken in stages (including but not limited to temporal, location or activity-based staging). Where staging is proposed, the Proponent must prepare a Staging Report for pre-construction minor works, construction, operation or all stages as applicable. The Staging Report must: a) be endorsed by the ER; b) be submitted: i. to the Planning Secretary no later than 1 month before the commencement of the first proposed stage detailed in the staging report; ii. no later than 1 month prior to the lodgement of any management plan staged under condition C7; c) provide a clear description of: i. the trigger for staging the development; ii. the specific stages and scope of the development proposed in each stage; iii. any existing stages; iv. any future stages planned; v. a schedule for the current and future stages; d) specify how compliance with conditions will be achieved across and between stages; and e) set out mechanisms for managing cumulative impacts arising from the proposed staging.	CEMP Section 2.2 Staging Report	Transgrid	Construction
C5	The development must be delivered in accordance with the Staging Report submitted to the Planning Secretary.	Noted	Transgrid	Construction
C6	Where staging is proposed, the terms of this approval that apply are relevant to the work or activities to be carried out in a specific stage must be complied with at the relevant time for that stage. *Note: Amendments to the Staging Report are facilitated by submitted a revised staging report in accordance with the above condition.*	Noted	Transgrid	Construction
C7	**Staging, Combining and Updating Environmental Management Documents** With the approval of the Planning Secretary, the Proponent may: a) prepare any environmental management document required by this approval on a staged basis (if a clear description is provided as to the specific stage and scope of the development to which the document applies, the relationship of the stage to any future stages and the trigger for updating the document); b) combine environmental management documents if the Proponent can demonstrate a clear nexus between the nominated documents, the impact of combining the nominated	CEMP	Transgrid	Construction

	documents and how the nominated documents will still comply with the conditions of this approval; c) update any environmental management document required by this approval (to ensure the strategies, plans and programs required under this approval are updated on a regular basis and incorporate additional measures or amendments to improve the environmental performance of the development).			
C8	Staging requests made to the Planning Secretary must be consistent with the stages detailed in a Staging Report submitted to the Planning Secretary under conditions C4 and C5.	Noted	Transgrid	Construction
C9	With the approval of the Planning Secretary, an environmental management document may be staged or updated without: a) consultation being undertaken with all parties required to be consulted in the relevant condition in this approval; and/or b) addressing particular requirements of the relevant condition of this approval if those requirements do not apply to the specific stage.	Noted	Transgrid	Construction
	Notifications			
C10	**Notification of Department** The Department must be notified, in writing, prior to the date of commencement of each of the following development phases: a) commencement of pre-construction minor works under the approval; b) commencement of construction under the approval; c) commencement of operations under the approval; d) completion of decommissioning of the development. If the phases of the development are to be further staged, the Department must be notified, in writing, prior to the commencement of each stage, noting the date of commencement and the development to be carried out in that stage.	CEMP Section 2.6.1	Zinfra, Transgrid	Construction Operation Decommissioning
C11	**Final Layout Plans** Prior to commencing construction, the Proponent must submit detailed plans of the final layout of the development to the Department via the Major Projects website. The final layout plans must include: a) details on siting of transmission towers and ancillary infrastructure and / or ancillary facilities; and b) showing comparison to the approved layout and approved vegetation clearing.	CEMP Section 4.7 Noted	Zinfra	Pre Construction
C12	The Proponent must ensure that the development is constructed in accordance with the Final Layout Plans.	Noted	Zinfra	Construction
C13	**Works as Executed Plans** Prior to commencing operations, the Proponent must submit plans that confirm the constructed layout of the development and showing comparison to the final layout plans to the Planning Secretary, via the Major Projects website.	Noted	Transgrid	Construction
C14	**Independent Environmental Audit** Independent Environmental Audits of the development must be conducted and carried out in accordance with the *Independent Audit Post Approval Requirements* published on the Department's website.	CEMP Section 4.14	Transgrid	Construction Operation
	Compliance			
C15	**Non-compliance Notification** Within seven days of becoming aware of a non-compliance, the Proponent must notify the Department of the non-compliance. The notification must: a) be in writing;	CEMP Section 4.15.5	Transgrid	Construction Operation Decommissioning

	b) submitted via the NSW planning portal (Major Projects); c) identify the development (including the development application number and name); d) set out the condition of this approval that the development is non-compliant with; e) why it does not comply; f) the reasons for the non-compliance (if known); and g) what actions have been undertaken or will be undertaken, and when, to address the non-compliance. *Note: A non-compliance that has been notified as an incident does not need also to be notified as a non-compliance.*			
C16	**Incident Notification** The Proponent must notify the Department and NPWS within 24 hours of becoming aware of an incident. The notification to the Department must be made via the NSW planning portal (Major Projects) and address details of the incident, including: a) date, time and location; b) a brief description of what occurred and why it has been classified as an incident; c) a description of what immediate steps were taken in relation to the incident; and d) identifying a contact person for further communication regarding the incident.	CEMP Section 4.15.2	Transgrid	Construction Operation Decommissioning
C17	The Proponent must provide the Department and NPWS with a subsequent incident report in accordance with Appendix 5. *Note: NPWS can be notified to NPWS Kanangara Area via npws.kanangra@environment.nsw.gov.au and Blue Mountains Branch Duty Officer or as otherwise advised by NPWS.*	CEMP Section 4.15.3	Transgrid	Construction Operation Decommissioning
	Access to information			
C18	Prior to the commencement of Work under this approval until the completion of all rehabilitation required under this approval, the following information and documents must be publicly available on the development website when they are obtained, approved or as otherwise stipulated within the conditions of this approval: a) (the documents listed in Schedule 1 Table 1 of this approval; b) all current statutory approvals for the development; c) all approved environmental management documents required under the conditions of this approval; d) the staging report for the development, if the development is to be staged; e) a summary of the current stage and progress of the development; f) contact details to enquire about the development or to make a complaint; g) a complaints register, updated monthly; h) audit reports prepared as part of any Independent Environmental Audit of the development and the Proponent's response to the recommendations in any audit report; i)any other matter required by the Planning Secretary; and j)keep such information up to date. Where the information / document relates to a particular work or is required to be implemented, it must be published before the commencement of the relevant work to which it relates or before its implementation.	CEMP Section 3.4	Transgrid	Construction Operation Decommissioning

Appendix C - EPBC Approval Conditions

ID	Condition	Where addressed	Responsibility	Phase

1	The approval holder must undertake clearing and construction activities in accordance with conditions A2(c) and A2(d) of the NSW Approval to the extent that they relate to protected matters.	This Plan and CEMP sub-plans and procedures detail how construction of the Project will be undertaken in accordance with the CoA and the documents listed in A2 (c) and (d).	Zinfra	Construction
2	The approval holder must comply with conditions B20 and B24 of the NSW Approval, to the extent that they relate to protected matters.	Biodiversity Management Plan	Zinfra	Construction
3	The approval holder must comply with conditions B21, B22 and B23 of the NSW Approval, to the extent that they relate to protected matters.	Biodiversity Management Plan	Zinfra	Planning; Construction; Operations
4	The approval holder must submit the detailed final layout plans as required by condition C11 of the NSW Approval to the department prior to commencement of construction.	CEMP Section 4.7	Zinfra	Pre-Construction
5	The approval holder must notify the department in writing of any proposed change to the NSW Approval that may relate to protected matters within 5 business days of formally proposing such a change and within 10 business days of becoming aware of any proposed change.	CEMP Section 4.6.1	Transgrid	Planning; Construction; Operations
6	The approval holder must notify the department in writing of any change to the NSW Approval conditions that may relate to protected matters, within 5 business days of such a change to conditions coming into effect. The notification must include a copy of the changed NSW Approval conditions showing what changes have been made.	CEMP Section 4.6.1	Transgrid	Throughout asset lifecycle
7	The approval holder must notify the department electronically of the date of commencement of the Action, within 5 business days following commencement of the Action.	CEMP Section 2.6.1	Transgrid	Pre-Construction
8	The approval holder must not commence the Action later than 5 years after the date of this approval decision.	CEMP Section 2.6.1	Transgrid	-
9	The approval holder must maintain accurate and complete compliance records and document the procedure for recording and storing compliance records.	CEMP Section 4.12	Zinfra during construction phase. Transgrid during operations phase.	Planning; Construction; Operations
10	If the department makes a request in writing, the approval holder must provide electronic copies of compliance records to the department within the timeframe specified in the request.	-	Transgrid	Planning; Construction; Operations
11	The approval holder must ensure any monitoring data, surveys, maps and other spatial and metadata required under the conditions are prepared in accordance with the Guidelines for biological survey and mapped data, Commonwealth of Australia 2018, or as otherwise specified by the Minister in writing.	-	Transgrid	Planning; Construction; Operations
12	The approval holder must ensure any monitoring data, surveys, maps and other spatial and metadata required under the conditions are prepared in accordance with the Guide	-	Transgrid	Planning; Construction;

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	to providing maps and boundary data for EPBC Act projects, Commonwealth of Australia 2021, or as otherwise specified by the Minister in writing.			Operations
13	The approval holder must submit all monitoring data, surveys, maps, other spatial and metadata and all species occurrence record data electronically to the department within 20 business days of the next anniversary of the date of this approval decision, except where otherwise specified in a plan.	-	Transgrid	Construction
14	The approval holder must prepare a compliance report for each Annual Compliance Report period (ACR period).	CEMP Section 4.10	Transgrid	Construction; Operations
15	The approval holder must ensure each compliance report includes: a) accurate and complete details of compliance and any non-compliance with: i) each condition imposed under NSW Approval, if a condition attached to this approval decision requires compliance with that NSW Approval condition, ii) each condition attached to this approval decision, and iii) all commitments made in each plan, b) a schedule of all plans in effect in relation to these conditions during the ACR period, c) accurate and complete details of how each plan was implemented during the ACR period, and d) if any incident occurred, accurate and complete details of each incident.	CEMP Section 4.10	Transgrid	Construction; Operations
16	The approval holder must ensure each compliance report is completed to the satisfaction of the Minister and is consistent with the Annual Compliance Report Guidelines, Commonwealth of Australia 2023.	CEMP Section 4.10	Transgrid	Construction; Operations
17	The approval holder must, within 20 business days following the end of each ACR period, in a format that is easily accessible and downloadable, publish on the website: a) each compliance report, and b) a shapefile showing all clearing of protected matters, and their habitat, undertaken within the ACR period.	CEMP Section 4.10	Transgrid	Construction; Operations
18	The approval holder must: a) Exclude or redact sensitive biodiversity data from each compliance report and shapefile published on the website or otherwise provided to a member of the public. b) If sensitive biodiversity data is excluded or redacted from a version of a compliance report published or otherwise provided to a member of the public, submit the full compliance report to the department within 5 business days of its publication on the website and notify the department in writing what exclusions and redactions have been made in the version published on the website or otherwise provided to a member of the public. c) If sensitive biodiversity data is excluded or redacted from a version of a shapefile published or otherwise provided to a member of the public, submit the full shapefile to the department within 5 business days of its publication on the website and notify the department in writing what exclusions and redactions have been made in the version published on the website or otherwise provided to a member of the public.	CEMP Section 4.10	Transgrid	Construction; Operations
19	The approval holder must notify the department electronically, within 5 business days of each publication date, that the compliance report has been published on the website.	CEMP Section 4.10	Transgrid	Construction; Operations

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	In this notification, the approval holder must provide the department with the web address for where the compliance report and related shapefile are published on the website.			
20	The approval holder must keep each compliance report and related shapefile published on the website from the first date the compliance report must be published until the expiry date of this approval.	CEMP Section 4.10	Transgrid	Construction; Operations
21	The approval holder must notify the department electronically, within 2 business days of becoming aware of any incident. The approval holder must specify in each notification: a) any condition or commitment made in a plan which has not been, or may have not been, complied with, b) a short description of the incident, and c) the location (if applicable, including co-ordinates), date and time of the incident.	CEMP Section 4.15.2	Zinfra and Transgrid	Construction; Operations
22	The approval holder must provide to the department in writing, within 12 business days of becoming aware of an incident, the details of that incident. The approval holder must specify: a) all corrective measures and investigations which the approval holder has already taken in respect of the incident, b) the potential impacts of the incident, c) the method and timing of any corrective measures that the approval holder proposes to undertake to address the incident, and d) any variation of these conditions or revision of a plan that will be required to prevent recurrence of the incident and/or to address its consequences.	CEMP Section 4.15.2	Zinfra and Transgrid	Planning; Construction; Operations
23	The approval holder must ensure that an independent audit of compliance with the conditions is conducted for every audit period.	CEMP Section 4.14.2	Transgrid	Construction; Operations
24	The approval holder must submit details of the proposed independent auditor and their qualifications to the department within 10 business days following the end of each audit period.	CEMP Section 4.14.2	Transgrid	Construction; Operations
25	The approval holder must ensure the scope of each independent audit is sufficient to determine the compliance status for each condition of approval and each commitment made in each plan.	CEMP Section 4.14.2	Transgrid	Construction; Operations
26	The approval holder must ensure the criteria for each independent audit and the undertaking of each independent audit are consistent with the Independent Audit and Audit Report Guidelines.	CEMP Section 4.14.2	Transgrid	Construction; Operations
27	The approval holder must submit an audit report to the department for written agreement within 3 months following the end of each audit period, or as otherwise directed by the Minister in writing.	CEMP Section 4.14.2	Transgrid	Construction; Operations
28	The approval holder must ensure each audit report is completed to the satisfaction of the Minister and is consistent with the Independent Audit and Audit Report Guidelines to the extent that the Independent Audit and Audit Report Guidelines are consistent with these conditions.	CEMP Section 4.14.2	Transgrid	Construction; Operations

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29	The approval holder must publish each audit report on the website, in a format that is easily accessible and downloadable, within 10 business days of the date the department agrees to that audit report in writing.	CEMP Section 4.14.2	Transgrid	Construction; Operations
30	The approval holder must notify the department within 5 business days of the date the audit report is published on the website. In this notification, the approval holder must provide the department with the web address for where the audit report is published on the website.	CEMP Section 4.14.2	Transgrid	Construction; Operations
31	The approval holder must keep each audit report published on the website from the first date which that audit report must be published and until the expiry date of this approval.	CEMP Section 4.14.2	Transgrid	Construction; Operations
32	Within 20 business days after the completion of the Action, and, in any event, at least 20 business days prior to the expiry date of this approval, the approval holder must notify the department electronically of the date of completion of the Action and provide completion data. The approval holder must submit any spatial data that comprises completion data as a shapefile.	Noted	Transgrid	Construction; Operations
33	The approval holder must notify the department electronically at least 60, but not more than 70, business days prior to the expiry date of this approval, that the approval is due to expire.	Noted	Transgrid	Operations

Appendix D – Revised Mitigation Measures in EIS Submissions Report

ID	Environmental measures	Where Addressed	Responsibility	Phase
Biodiversity				
B01	Opportunities to avoid and minimise impacts on biodiversity will be investigated during detailed design with consideration to retaining vegetation and trees, where possible, to improve connectivity values and/or minimise impacts on threatened species and their habitats, such as threatened Eucalyptus and hollow bearing trees.	BMP	Zinfra	Detailed design – pre- Approval
B02	A Biodiversity Management Plan (BMP) will be prepared by a qualified ecologist in consultation with NSW DCCEEW. The BMP will: • include biodiversity values on the site, measures for indirect, prescribed and uncertain impacts, processes and procedures, and responsibilities to minimise the potential for biodiversity impacts during construction • outline induction requirements prior to starting work on site, which will inform the workforce on the biodiversity values of the site, protection measures to be implemented to protect native biota and penalties for breaches • be based on SMART principals (Specific, Measurable, Achievable, Realistic, Timebound) • include a plan for implementing, evaluating and reporting on the effectiveness of all mitigation measures outlined in the BDAR • include an adaptative management approach based on performance triggers for remedial action • include a monitoring and/or auditing process to conform that clearing during construction remains within the predicted clearing of native vegetation and threatened species identified in the BDAR • include a map with co-ordinates showing areas to be cleared and areas to be protected, including exclusion zones and protected habitat features in the vicinity of work areas.	BMP	Zinfra	Pre-construction and construction

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ID	Environmental measures	Where Addressed	Responsibility	Phase
B03	Prior to the commencement of any work in or adjoining areas of native vegetation, a survey will be carried out to identify threatened plants and threatened species habitat within and adjacent to the subject land that are to be avoided or impacts to be minimised. The survey will focus on identifying occurrences of *Eucalyptus cannonii* and *Eucalyptus aggregata* as well as hollow bearing trees directly adjacent to the works area. The BMP will include a Vegetation Clearing Procedure, which will require the limit of clearing and construction boundary to be surveyed and clearly demarcated using high visibility tape. All vegetation outside the boundary will be clearly sign posted and marked on plans as an exclusion zone. Signage will be maintained for the duration of the construction period. Clearing of native shrub and ground layer vegetation will be minimised as far as possible.	BMP	Zinfr	Pre-construction and construction
B04	The BMP will identify opportunities to minimise impacts on shrub or ground stratum vegetation within riparian zones when reviewing final construction methods and staging. Riparian vegetation clearing methods will retain root balls and trunk bases *in situ* and undertaken in a manner that minimises ground disturbance. Riparian buffers will be clearly marked onsite in accordance with recommended vegetated riparian zones (VRZs) from the *Guidelines for riparian corridors on waterfront land* (DPE 2022) and the *Policy and Guidelines for Fish Habitat Conservation and Management* (Update 2013). Riparian areas within the Project footprint and not within construction work zones will be delineated and managed as exclusion zones wherever possible in accordance with mitigation measure B03.	BMP	Zinfra	Pre-construction and construction
B05	An Unexpected Species Finds Protocol will be prepared to detail measures to be undertaken if threatened flora and fauna not previously recorded on site are detected during clearing or construction activities.	BMP	Zinfra	Construction
B06	A pre-clearing survey will confirm all Black Gum and Capertee Stringybark trees that will be removed. Visual markings will be employed prior to any clearing to identify Black Gum and Capertee Stringybark trees that will be removed and retained. Tree protection measures are to be installed and maintained and may include establishment of no-go zones and other practicable measures from AS 4970-2009 – Protection of Trees in Development Sites throughout construction. Any additional removal of native vegetation, including threatened Eucalypts, above the number of individuals identified in the Project's BDAR will be avoided wherever possible. In the instance, where additional impact on trees or vegetation cannot be avoided, this will require survey to determine the number of trees, realign tree protection areas and demarcation, and identify the additional credits to be purchased and retired. The BMP will consider measures to work with local Landcare for seed collection from Black Gum and Capertee Stringybark trees to be grown for local restoration projects.	BMP	Zinfra	Construction
B07	Piling for structure foundations within 80 m of the rock outcrop will be conducted outside the breeding period for the Large-Eared Pied Bat (November - January), wherever possible, within the required work program. Biodiversity exclusion zones including a minimum 10 m buffer around the rock outcrop will be established. The boundary this is to be delineated using a method that does not restrict access for microbats to potential habitat. Pre-clearing targeted surveys by a qualified ecologist will be conducted of the rocky outcrop to confirm the presence/ absence of active roosts prior to construction. Weekly inspections of potential breeding habitat within the rocky outcrop will be conducted by an Environment Officer during construction where this includes the breeding period (November-January).	BMP	Zinfra	Construction
B08	A Fauna Handling and Rescue Procedure for the management of fauna and habitats will be included in the BMP. These will include:	BMP	Zinfra	Construction

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ID	Environmental measures	Where Addressed	Responsibility	Phase
	· a procedure for the felling of hollow-bearing trees to prevent or minimise mortality of fauna, and the salvage of hollows and logs where practicable · supervision of hollow-bearing tree removal and salvage by a qualified ecologist · management of any trenches or drill sites to prevent fauna from becoming trapped or injured.			
B09	Pre-clearing surveys will be undertaken prior to construction by a suitably qualified ecologist. The surveys and inspections, and any subsequent relocation of species, will be undertaken in accordance with the BMP. Specific surveys include: • surveys for roosting microbats or occupied nests for any man-made structures to be removed • searches for nests in vegetation to be removed • identification of fauna refuge sites potentially requiring fauna management during removal, including woody debris as well as human made material such as metal sheets.	BMP	Zinfra	Construction
B10	A post-clearing report will be prepared documenting all animals that are handled or managed within the site during vegetation clearing. Data to be recorded includes: • date and time of the fauna interaction or sighting and details of the observer • species (if known) or a photograph • number of individuals recorded • adult/juvenile • condition of the animal (living/dead/injured/sick) • management action undertaken (eg captured, handled, taken to vet) • results of any management actions (eg released, placed in a nest box, euthanised, placed with carer). The post-clearing report is also to include and maintain an inventory of hollows and fallen timber that have been salvaged and relocated.	BMP	Zinfra	Construction
B11	The BMP will include a Nest Box Strategy for tree hollows impacted during the clearing of vegetation, developed in consultation with NPWS. The strategy would include (at a minimum): • reuse of hollows, where appropriate • identification of target species that best benefit from installation of nest boxes • identification of alternative methods of replacing or creating hollows, cavity sizes • the number required when assessed against retained hollows • monitoring • the use of nest boxes as an immediate measure (ie for rescue and relocation of fauna during clearing).	BMP	Zinfra	Pre-construction
B12	A Rehabilitation Management Plan (RMP) will be prepared to guide rehabilitation planning, implementation, monitoring and maintenance of the following disturbed areas within the construction footprint: • construction compounds and laydown areas • brake and winch areas • areas of the easement where vegetation is allowed to regrow.	RMP	Zinfra	Construction
B13	All machinery entering the site will be appropriately washed down to be vegetation-and-soil free prior to work on site, to prevent the potential spread of disease in accordance with the Protocols to protect priority biodiversity areas in NSW (DPIE 2020d). Protocols to prevent introduction or spread of chytrid fungus will be included in the BMP and implemented following the Hygiene guidelines for wildlife (DPIE 2020d).	BMP	Zinfra	Construction Operation
B14	Declared priority weeds will be managed according to requirements of the NSW *Biosecurity Act 2015*. Soil material and stripped groundcover vegetation with the potential to contain priority weeds will not be removed from the Project footprint. Soil disturbance would be avoided as much as possible to minimise the	BMP		

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ID	Environmental measures	Where Addressed	Responsibility	Phase
	potential for spreading weeds. Declared priority weeds will be managed according to requirements of the Biosecurity Act 2015. The BMP will include a Biosecurity Management Plan to outline measures for managing declared priority weeds during construction. Weed control strategy during the operational stage of the project will be guided by existing Transgrid operational weed management procedures. During maintenance activities, general biosecurity duty obligations will be implemented as per existing Transgrid procedures. Biosecurity risks within the works footprint, such as weeds, will also be assessed and control measures implemented, as required, to manage existing or emerging issues.			
B15	A Habitat Connectivity Strategy will be prepared for all affected threatened fauna species with a focus on threatened species including Squirrel Glider and other arboreal species that rely predominately on mature trees and canopy to move through the landscape. The strategy will: • identify measures to provide equal or improved connectivity than is provided by the current maintained easement • include designated exclusion areas and tree retention as well as partial clearance areas as a first priority, including opportunities to retain vegetation associated with creek lines with vegetation of an appropriate height within the Gardens of Stone SCA and/or considering the feasibility of installing crossing structures. This would include: ➢ Modelling of existing and post construction glider crossing opportunities. ➢ Assessment of fauna species recorded or considered likely to occur and review of suitable crossing structures and their effectiveness for these particular species. ➢ Assessment of Projected line clearance requirements and opportunities to install connectivity structures below the transmission line focussing on riparian areas where topography allows greater clearance. The Connectivity Strategy will be implemented together with Vegetation Clearance Requirements for the maintenance and operation of the transmission line.	SWMP	Zinfra Transgrid	Construction Operation
B16	Use of fauna deterrent devices, most likely consisting of the “flapper” variety, will be used within areas of open habitat along the Coxs River, to minimise impacts on the threatened bird and bat species, such as raptors which includes the White-bellied Sea Eagle. The positioning and the deterrent model will be developed as part of the habitat connectivity strategy.	BMP	Zinfra	Detailed design Construction Operation
B17	Following construction, consider initiatives to improve riparian zones for aquatic biota, such as revegetation, in consultation with DPIRD-Fisheries and WaterNSW (for flooding perspective) and other relevant stakeholders. Where feasible and reasonable initiatives exist, they are to be implemented during post-construction site restoration.	BMP	Zinfra	Detailed design
B18	Construction activities occurring in or adjacent to watercourses providing key fish habitat, including Class 1 (major) ‘Coxs River’ to Class 3 (minimal) fish habitat ‘Unnamed tributaries of Wangcol Creek (a) and (c)’, are to minimise any additional restriction to fish passage from current conditions and be undertaken in accordance with: • the Policy and guidelines for fish habitat conservation and management (DPI 2013) • the Controlled activities – Guidelines for watercourse crossings on waterfront land (DPE 2022b).	RMP	Zinfra. Transgrid	Post construction
B19	Any invasive fish will not be discharged to a natural watercourse as required under the Fisheries Management Act 1994 and Biosecurity Act 2015.	BMP	Zinfra	Construction
B20	Consult with DPIRD on the management of aquatic biota for any proposed dewatering of the Coxs River oxbow for construction of the culvert crossing, and any proposed discharge of surface water to/ from waterways.	BMP	Zinfra	Construction

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ID	Environmental measures	Where Addressed	Responsibility	Phase
B21	Prior to the operational phase, an environmental assessment will be prepared that considers up-to-date records of the NSW BioNet data for the Purple Copper Butterfly. Transgrid will implement its established procedures for working in areas with Purple Copper Butterfly presence or potential.	BMP	Zinfra	Construction
Noise and vibration				
NV1	A Construction Noise and Vibration Management Plan (CNVMP) will be developed in consultation with NSW EPA and implemented as part of the CEMP. The CNVMP will generally follow the approach outlined in the ICNG and include: • identification of sensitive receivers, including sensitive threatened fauna and their nearby habitats in consultation with a qualified ecologist, and heritage structures (ie Wallerawang Rail Bridges over Coxs River (SHR #01064), the St John the Evangelist Church (SHR #01702, LEP#I112) and Braemai (LEP #I193)) and underground utilities including the Fish River Water Supply Scheme. • an updated construction noise and vibration assessment based on final construction staging, compound locations and details, selected equipment types and proposed OOHW periods • all potentially high noise and vibration generating activities associated with the construction of the Project • standard and additional mitigation measures to manage identified impacts as required in accordance with the *Construction Noise and Vibration Guideline (Roads),* including safe working distances when working near heritage structures to avoid vibration damage and measures to protect underground utilities including the Fish River Water Supply Scheme • a monitoring program to assess performance against relevant noise and vibration criteria • arrangements for consultation with affected neighbours and sensitive receivers where exceedances are predicted of NMLs, including notification and complaint handling procedures • details of the process and actions to be taken in the event of non-compliance with noise and vibration criteria.	NVMP	Zinfra	Prior to construction
NV2	As part of development of the detailed design and construction methodology, all reasonable and feasible mitigation measures will be considered, confirmed and implemented, in line with ICNG (DECC, 2009), to minimise construction noise impacts and to avoid exceedances of the applicable noise management levels at adjacent sensitive receivers, where practicable. Measures that may achieve this outcome may include, but not limited to the following: · Portable temporary noise screens will be erected adjacent to stationary or long term static noise sources, or noise generating items, where reasonable and feasible. · Spotters, “smart” reversing alarms, or broadband reversing alarms will be used in place of traditional tonal beeper reversing alarms, particularly on equipment where reversing alarms are frequently in use such as rollers, loaders or compactors. · Noise source controls, such as the use of residential class mufflers, will be used reduce noise from all plant including cranes, excavators and trucks. · The offset distance between noisy plant items and sensitive receivers will be maximised, where reasonable and feasible. · Machinery will be operated in a manner which reduces maximum noise level events such as shaking excavator buckets, dropping materials into trucks from a, height or steel on steel contact. · Construction plant and equipment will be turned off when not in use.	NVMP	Zinfra	Detailed design and construction
NV3	Opportunities to reduce exceedances of the applicable construction noise management levels through the implementation of administrative controls will be examined, confirmed and implemented where reasonable and feasible in line with the ICNG (DECC, 2009). Controls to be considered will include, but not limited to the following:	NVMP	Zinfra	Detailed design and construction

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ID	Environmental measures	Where Addressed	Responsibility	Phase
	· Environmental awareness training and inductions for site personnel will include noise mitigation techniques/measures to be implemented when on site and accessing the site. · Plant and equipment will be selected based on noise emission levels. This will include the consideration of alternative piling and stringing methods, such as the use of bored piling methods and drones for stringing. · Noise-intensive works will be limited to less sensitive construction hours (i.e. Away from early morning and late afternoon periods) as far as practicable, when working in the vicinity of sensitive receivers. · Plant and equipment will be well maintained to ensure that excessive noise is not generated. · Noise level predictions for works undertaken outside standard working hours will be confirmed and verified in accordance with the ICNG (DECC, 2009) by the construction contractors. This will consider implementation of additional construction noise mitigation measures.			
NV4	Where reasonable and feasible, measures will be taken to minimise noise emissions from construction compounds using the following principles: · The layout of the construction compounds C2 and C3 will be planned so that the primary noise sources are at a maximum distance from residences, with solid structures (sheds, containers, etc.) placed between residences and noise sources (and as close to the noise sources as is practical). · Enclosures will be used to shield fixed noise sources such as pumps, compressors, fans, screens (where practicable). · Site topography will be considered when situating plant to block line of sight where possible.	NVMP	Zinfra	Construction
NV5	A Project-specific OOHW protocol will be developed to define the process for considering, approving and managing OOHW. The protocol will include provisions to: • confirm and verify proposed noise level impacts for specific work activities proposed outside standard construction hours, including the potential for sleep disturbance impacts • confirm and verify the potentially affected sensitive receivers and the standard and additional mitigation measures that will be applied to such receivers • additional mitigation measures will be applied to affected sensitive receivers impacted by sleep disturbance for more than two consecutive nights • notify and engage with potentially noise affected receivers about upcoming work outside standard construction hours and address any associated complaints • identify appropriate respite for noise affected receivers (where required) • proactively communicate and engage with affected receivers.	NVMP		
NV6	Where vibration intensive activities are planned within vibration minimum working distances (including for sensitive or heritage structures and buried infrastructure), reasonable and feasible mitigation measures will be implemented. These measures will include, and not be limited to: • pre- and post-construction condition surveys of vibration sensitive receivers within the recommended safe working distances prior to construction works • alternative construction methods and equipment with lower source vibration levels will be investigated and implemented, where feasible, this will include consultation with a suitably qualified heritage specialist for any potential vibration impacts on heritage structures • schedule the use of vibration-sensitive equipment during the least sensitive times of the day • sequence operations to avoid or minimise concurrent vibration intensive activities • vibration monitoring will be carried out at the start of work to determine actual vibration levels at the receiver • work will cease if the monitoring indicates vibration levels are likely to, or do, exceed the relevant criteria	OOHW Protocol	Zinfra	Detailed design Construction

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ID	Environmental measures	Where Addressed	Responsibility	Phase
	• where potential vibration impacts relate to buried infrastructure, measures to protect the buried infrastructure will be developed in consultation will be undertaken with asset owners. These measures may include traffic management, construction equipment selection, construction bench sitting and the placement of additional cover, plating or bog mats. Where vibration intensive activities are proposed in the vicinity of historical mine workings (including but not limited to transmission tower locations 23D to 25D), geotechnical investigations and consultation with mine operators will be undertaken to consider the potential impacts associated with ground vibration generated by equipment during the Project's construction.			
NV7	Management of construction traffic noise on local roads will be included in the CNVMP. The CNVMP will consider the following controls: • scheduling and routing of construction traffic to minimise impacts using the following principles: - more even distribution of traffic movements across the various access roads during the daytime period to reduce the peak 1-hr period traffic noise levels - scheduling of movements at less-sensitive times for impacted receivers. • implementing temporary construction traffic speed limits on access roads in the vicinity of potentially impacted noise sensitive receivers.	NVMP	Zinfra	Construction
NV8	Where cumulative construction noise impacts are likely at sensitive receivers, coordination with other proponents will occur to minimise the cumulative construction noise impacts. This should involve: • scheduling of noise or vibration-generating construction activities to minimise the duration or level of impact • combined approach to mitigation where considered reasonable and feasible such as a temporary noise barrier that may provide mitigation for more than one Project • consideration of cumulative noise levels in compliance monitoring • community consultation, notification and complaints handling are to include consideration of cumulative impacts.	NVMP	Zinfra	Construction
NV9	Management measures will be implemented to minimise drone noise at sensitive receivers where practicable and appropriate. Measures will include (but are not limited to) consultation with nearby sensitive receivers on upcoming work involving drones including scheduled dates, locations, indicative hours and a description of the proposed works.	NVMP	Zinfra	Construction
NV10	For each residence where potential operational noise levels from the Project are predicted to exceed the noise criteria, verification monitoring is required to confirm actual operational noise levels. Monitoring will be carried out: • within six months of the Project's commencement of operation • to respond to a request of the landowner within two (2) years after the Project's commencement of operation. The noise monitoring will occur during weather/atmospheric conditions conducive to generating the corona effect. For residences where the monitoring identifies corona discharge levels above 35 dB(A) LAeq,15min at the most affected point of the residence, consultation will be undertaken with the landowner of the affected residence to identify reasonable and practicable measures. Once measures have been agreed with the landowner, these will be implemented within 12 months. Measures may include at property treatment to upgrade aspects of the dwellings including the façade or ventilation systems.	NVMP	Zinfra, Transgrid	Construction Operation
NV11	Consultation and co-ordination with nearby proponents, including proponents of the Great Western BESS, to minimise cumulative at-property impacts from audible corona noise.	This requirement is not relevant for	Transgrid	Prior to operation

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ID	Environmental measures	Where Addressed	Responsibility	Phase
		construction phase of the project and is not captured in this CEMP. This requirement will be managed by Transgrid as part of Operations.		
Traffic and transport				
T1	A Traffic and Transport Management Plan (TTMP) will be developed and implemented as part of the CEMP, in consultation with relevant stakeholders. The plan will detail processes and responsibilities to minimise traffic disruptions and delays, to identify and to respond to changes to road access. The TTMP will include: • Consultation and approval of road designs from Lithgow City Council for any proposed minor road work, such as a passing bay on the shoulder of Brays Lane. The need for a passing bay will be determined in consultation with relevant road authorities. • Maps of designated and approved heavy vehicle routes for heavy vehicles and oversize and overmass movements. • Traffic and transport permitting requirements, including oversize and overmass movements permits and road occupancy licences. • Planning for heavy vehicle routes to access point 12 via Heel Street, as well as the alternate heavy vehicle route for access points 4 and 5, which are to be confirmed through consultation with Lithgow City Council. • Transmission line stringing across the Main Western Rail Line to be undertaken within scheduled rail shutdown period (ie, planned rail maintenance) or as agreed with the appropriate rail authority. • Road closures (partial or full) will be planned during the road network off-peak periods, where possible. • A drivers' code of conduct for heavy vehicle safety. • Requirements for drivers operating heavy vehicles on public roads. • Measures to ensure the efficient delivery of equipment and construction materials. • Traffic control measures at construction access points and intersections, including: - left-in/ left-out turn movements at the Karawatha Drive/Castlereagh Highway intersection, including details of required signage for this arrangement to construction vehicles only - signage to prohibit the use of the unsealed track located south of the Karawatha Drive/Castlereagh Highway intersection - internal site traffic management to ensure only one 19 metre articulated vehicle arrives and departs at any one time on Karawatha Drive - traffic control at the Frankfort Road/Boulder Road intersection, including the requirements for obtaining a road occupancy licence. - traffic management at Brays Lane and Main Street during stringing works, including the requirements for obtaining a road occupancy licence. • Measures to reduce construction traffic movements at Brays Lane/Castlereagh Highway. This will include reducing trips taken by personnel and contractors, such as carpooling and shuttle bus services.	TTMP	Zinfra	Pre-construction Construction

ID	Environmental measures	Where Addressed	Responsibility	Phase
	• Measures to monitor construction traffic movements occurring to and from the Project footprint and between work areas, including the consideration of: ➢ Recording of vehicle entry and exit movements to ensure they are within the Project's worst case peak traffic generation estimates ➢ Undertaking visual traffic inspection during peak hours to identify any unacceptable queuing. • Measures for the protection of underground and above ground services and utilities, which may include speed restrictions to reduce dynamic loading and vibration and establishing designated crossing points for access tracks. • Consultation with other relevant Project proponents to consider cumulative traffic impacts and identify the need for Project-specific mitigation measures. • Visual monitoring of the road shoulder condition will be undertaken at the intersection of Karawatha Drive / Castlereagh Highway intersection during the construction period to ensure surface degradation does not occur, should vehicles inadvertently track off the sealed carriageway.			
T2	Where temporary disruption to access cannot be avoided, consultation will be undertaken with the owners, occupants and managers of affected properties and road infrastructure to confirm their access requirements and determine any alternative arrangements required.	TTMP	Zinfra	Construction
T3	Road dilapidation surveys will be undertaken of Brays Lane and Karawatha Drive, prior to and following the completion of construction, and provided to the relevant road authority. Condition monitoring will be carried out during construction. Rectification measures will be implemented to the satisfaction of the road owner, during and/or following completion of construction, to address any damage caused by the Project.	TTMP	Zinfra	Pre- and post-construction
T4	Confirmation of safe sight distances for all proposed access points' will be undertaken when preparing the TTMP in consultation with the relevant road authority. Mitigation measures to meet safe sight distances at proposed access points and intersections will be adopted for: • intersection of Boulder Road/Frankfort Road requiring traffic control • intersection of Boulder Road/Mount Piper Power Station access road requiring vegetation trimming • intersection of Castlereagh Highway/Karawatha Drive requiring Left-in/Left-out access arrangement. All mitigation measures will be developed in consultation with the relevant road authority. Ongoing consultation with Transport for NSW will occur for improving the existing road sign on the southern approach to the Boulder Road / Castlereagh Highway intersection.	TTMP	Zinfra	Pre-construction
T5	Prior to using Brays Lane by proposed heavy vehicles and OSOM equipment, a suitably qualified structural engineer will assess the structural integrity of two bridge culvert crossings. Where structural load restrictions are identified, alternative routes for heavy vehicles and equipment, including the use of Access Points 1, 1a or 2, will be identified and discussed with the relevant road authority.	TTMP	Zinfra	Pre-construction
Landscape character and visual amenity				
LV1	The removal of existing trees and vegetation will be minimised in the detailed design and construction as much as practicable to retain as much natural bushland character as possible. Trees with high associated conservation value will be identified to be retained and protected where practicable.	CEMP Section 3.5	Zinfra	Detailed Design
LV2	Temporary and permanent access tracks will be designed to minimise the removal of existing vegetation and minimise any landform changes to reduce the overall landscape character and visual impacts.	CEMP Section 3.5	Zinfra	Detailed Design
LV3	Opportunities to plant screening vegetation to minimise impacts on VP06 will be investigated in consultation with affected landowners.	CEMP Section 3.5	Zinfra	Pre-construction and Construction

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ID	Environmental measures	Where Addressed	Responsibility	Phase
LV4	Lighting during construction of the Project will be designed and operated in accordance with guidelines in AS 4282 2019 *Control of the obtrusive effects of outdoor lighting*. Principles to be considered as part of the design and operation of light would include: ➢ lighting is only used when areas are in use and are switched off when not required ➢ lighting is to be positioned close to the ground and/or angled downwards ➢ lighting intensity is to be as low as possible to suit the task being undertaken and consistent with any safety requirements ➢ ensure lights are not directed at reflective surfaces and that the amount of reflective surfaces is minimised with use of non-reflected dark coloured surfaces, where possible ➢ use of light shield fittings to direct light to areas required and to minimise light spill lighting should be directed away from sensitive receivers, where possible.	CEMP Section 3.5	Zinfra	Construction
Aboriginal heritage				
H1	An ACHMP will be prepared in consultation with the RAPs and DPHI - Planning, with input from Heritage NSW. The ACHMP will include: • an Unexpected Heritage Finds Protocol for any new discovery of Aboriginal artefacts as per the detailed methodology described in the ACHAR • an unanticipated skeletal find protocol as described in detail in the ACHAR • a process for engaging with RAPs prior to and during construction of the Project • salvage methodology • heritage induction procedures • provisions for the long-term management of the Aboriginal objects that are salvaged.	ACHMP	Zinfra	Pre-construction Construction
H2	Impacts on Aboriginal heritage sites will be avoided for Springvale Colliery (45-1-0237), WPS-IF1 (45-1-2800) and WPS PAD 2 by implementing: • a no-go zone for 45-1-2800 • adopting construction and maintenance work methods that avoid ground disturbance. These methods will be monitored during operation and maintained as necessary. All Aboriginal heritage sites within the Project footprint and PAD sites that extend outside the Project footprint will be clearly marked on construction plans and mapped and recorded in Transgrid's GIS system to avoid impacts.	ACHMP	Zinfra	Pre-construction Construction Operation
H3	Sites 45-1-0215 and 45-1-2967 will be salvaged through the recording and collection of the surface artefacts, prior to construction in accordance with the salvage methodology described in the ACHAR.	ACHMP	Zinfra	Pre-construction
Historic heritage				
HH1	A Historic Heritage Management Plan (HHMP) will be prepared in consultation with Council, the DPHI – Planning and Heritage NSW, as required. The HHMP will include: • an unanticipated finds protocol and heritage induction/toolbox requirements • the location and curtilage extents of Wallerawang Rail Bridges, St. John the Evangelist Church and the Old Wallerawang School House on mapping. This includes details of the exclusion zone over a portion of the Old Wallerawang School House (LEP #I113) curtilage to the south-west of the Project footprint. • Consideration of alternative construction methods to avoid impacts to the Wallerawang Rail Bridges over Coxs River (SHR no. 01064) and the requirement for vibration monitoring in consultation with a suitably qualified heritage specialist. • requirements for inductions and toolbox talks to include a summary of the significance of heritage items, legislative responsibilities and appropriate mitigation measures.	HHMP	Zinfra	Pre-construction
HH2	Use of the existing access road within the heritage curtilage for Wallerawang rail bridges over Coxs River (SHR #01064) will be limited to light vehicles to avoid impact on the bridge heritage fabric or values of the	HHMP	Zinfra	Construction

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ID	Environmental measures	Where Addressed	Responsibility	Phase
	bridges. Signage will be erected and maintained during construction advising of the height limitations. No upgrades to this track are to occur within the curtilage area of the item.			
Land use and agriculture				
LU1	Property Management Plans (PMPs) or other agreements will be prepared in consultation with impacted landowners, including DPHI-Crown Lands and WaterNSW. The plans or agreements will define the works required during construction, properties affected by easement acquisition and properties requiring adjustments as a result of the Project. Works will include, but not be limited to, adjustments to property access, internal roads and fences (if required).The PMPs or agreements may include: • measures to reduce property impacts, including impacts on agricultural operations • specific requirements to ensure that disruption to operations, including the movement of livestock as agreed with landowners • required adjustments to and/or replacement of affected structures • biosecurity and rehabilitation measures to be implemented as outlined in the BMP.	CCS	Zinfra	Pre-construction Construction Operation
LU2	Pre-condition assessments of assets, infrastructure and the general condition of the land, asset or infrastructure at risk of impact during construction within the Project footprint will be completed. Requirements for rectification or rehabilitation will be agreed or determined with the asset owner or landowner.	TTMP	Zinfra	Pre-construction Construction
LU3	Confirmation of requirements for use of internal roads within Centennial Coal's Springvale site will be sought through ongoing consultation prior to and during construction. Details of any specific requirements would be included in the Traffic and Transport Management Plan (TTMP).	TTMP	Zinfra	Pre-construction Construction
LU4	Access for NPWS personnel will be maintained, where required, and will be determined in consultation with NPWS. Details of any specific requirements would be included in the TTMP.	TTMP	Zinfra	Construction Operation
LU5	Temporary and permanent impacts and use of Crown land will be undertaken in accordance with any licences and consents required to be obtained in accordance with the *Crown Land Management Act 2016* and in consultation with Department of Planning, Housing and Infrastructure (Crown Lands).	This requirement is not relevant for construction phase of the project and is not captured in this CEMP. This requirement will be met by Transgrid.	Zinfra	Pre-construction
LU6	Transgrid will continue to consult with the Warrabinga-Wiradjuri Native Title Claimants about potential impacts to the claim area to assist Transgrid in understanding and appropriately managing potential land use issues that may arise.	This requirement is not captured in this CEMP. This requirement will be met by Transgrid.	Zinfra	Pre-construction Construction
LU7	The location of all utilities and services, and requirements for access to, diversion, protection and/or support of utilities will be confirmed prior to construction and included on all site plans, including WaterNSW Fish River Water Supply Scheme pipeline. This will include (as required) undertaking utilities investigations, including intrusive investigations, and consultation and agreement with asset owners and service providers. In the event that service interruptions are required, notice will be given by the relevant asset owner. The Emergency Management Plan will include communication and reporting of incidents on utilities to the relevant asset owner.	CEMP Section 4.11	Zinfra	Pre-construction Construction

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ID	Environmental measures	Where Addressed	Responsibility	Phase
LU8	Vegetation clearance is to be minimised to prevent further degradation of land. Vegetation clearing methods will be determined based on vegetation.	BMP	Zinfra	Pre-construction Construction
LU9	Woody material from vegetation clearing that is weed free will be considered for beneficial reuse as part of rehabilitation works.	RMP	Zinfra	Construction
LU10	Topsoil would be scraped off, stockpiled separately for possible reuse in resurfacing and rehabilitation at end of the construction work.	RMP	Zinfra	Construction
Water resources				
W1	A Soil and Water Management Plan (SWMP) will be prepared and implemented as part of the CEMP. The SWMP will include: • an outline of relevant legislation, policies and guidelines relevant to the handling and storage of hazardous materials • Erosion and Sediment Control Plans (ESCP) prepared in consultation with a Certified Professional in Erosion and Sediment Control (CPESC) or similarly qualified professional. • detail on processes such as regular inspection, monitoring, auditing and maintenance, roles and responsibilities and measures to manage potential soil and water quality impacts during construction • measures to minimise the potential for chemical spills, including storage in bunded areas. • outline of the frequency and type of water quality monitoring, if required, in relation to sensitive environments and high risk landforms. The SWMP and ESCP will be prepared in accordance with the principles and requirements, in the following publications: • Managing Urban Stormwater – Soils and Construction, Volume 1 (Landcom, 2004), Volume 2A (DECC, 2008) and Volume 2C (DECC, 2008a) • Best Practice Erosion and Sediment Control (IECA, 2008) • Guidelines for controlled activities on waterfront land (DPE 2022).	SWMP	Zinfra	Pre-construction Construction
W2	An Emergency Management Plan will include a Flood Risk Management Plan (FRMP), which will be prepared in consultation with the SES. The FRMP will include a Trigger Action Response Plan to detail how and when actions will be taken. The plan will also outline the following: • workers and visitors will be inducted onto the Plan. • works will not commence or continue in construction areas that are at risk of flooding. • people, machinery and materials will be removed from construction areas prior to any flood event that is predicted to impact the construction area. The construction program will schedule and carry out works in flood-risk areas in periods of dry, stable weather as far as practicable. To further manage risk, resources will be made available to reduce the duration of works within flood-risk areas.	EMP	Zinfra	Pre-construction Construction
W3	Structures within flood liable areas will be designed and constructed to withstand a 1 in 100 AEP event.	FRMP	Zinfra	Design
W4	No maintenance activities will be undertaken where flood risk exists. Rainfall and catchment conditions will be monitored during maintenance activities to ensure safety of people and environment. As soon as it is safe and practicable after flood events, structures will be checked for damage. Remediation work will be undertaken if required.	SWMP	Transgrid	Operation
W5	A groundwater dewatering procedure will be prepared and implemented as part of the SWMP. The procedure will define measures for the appropriate management of extracted groundwater, including: • reviewing groundwater volumes, such as inflows and extraction • identifying licencing requirements • water quality testing of intercepted groundwater to inform treatment (if required), disposal and/or	SWMP	Zinfra	Pre-construction

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ID	Environmental measures	Where Addressed	Responsibility	Phase
	discharge requirements • a groundwater trigger action response plan that will be implemented in the event that groundwater inflows are greater than expected.			
W6	Detailed design and construction for works on waterfront land be in accordance with the Guidelines for Controlled Activities on Waterfront Land (DCCEEW 2025).	SWMP	Zinfra	Pre-construction Construction
Hazards and risks				
HR1	If adverse radio interference effects are reported within 12 months of operation, practical rectification measures (including signal boosting equipment and antenna upgrades) will be considered. This will be carried out in consultation with the relevant landowners.	This requirement is not relevant for construction phase of the project and is not captured in this CEMP. This requirement will be managed by Transgrid as part of Operations.	Transgrid	Operations
HR2	Design of the transmission line will be in accordance with the ICNIRP guidelines and Transgrid's Transmission Line Design Manual – Major New Build Rev 2.0. This will include phasing of the conductors to minimise the level of electric and magnetic fields generated.	This Plan – Section 4.7.1		
HR3	A Bushfire Management Plan will be prepared in accordance with Planning for Bush Fire Protection (PBP; RFS 2019) in consultation with the RFS and NPWS and implemented as part of the Emergency Management Plan in consultation with the RFS and NPWS and include the following: • asset protection zones (APZs) for construction compounds following consultation with relevant landowners in relation to APZ locations and management • APZs to be managed to the standards of Inner Protection Area outlines in Appendix 4 of PBP • avoidance of local concentration of bushfire fuels from vegetation removal • maintenance of infrastructure and equipment so as to reduce bushfire risk • safe work systems for workforce and firefighter safety from bushfire impacts, including bushfire hazard identification, hazard reduction and controls including the siting of flammable materials • safe work procedures for activities that have potential for fire ignition, including hot works and flammable material storage • induction and training of personnel, including risks and management measures associated with construction equipment and activities • firefighting equipment to be provided on site • details of site access and internal road plans based on construction staging • details of the location and quantity of water supplies and storages for fire fighting purposes.	Zinfra	Detailed design	
HR4	The Emergency Management Plan to be developed for the Project will include bushfire emergency management and an evacuation plan consistent with the Guide to Developing a Bush Fire Emergency Management and Evacuation Plan (RFS 2014) and Section 8.3.5 of Planning for bushfire Protection (RFS 2019). The Emergency Management Plan will address the requirements for evacuation routes and access as outlined in NSW Fire Trail Standards (RFS, 2023).	EMP	Zinfra	Pre-construction Construction

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ID	Environmental measures	Where Addressed	Responsibility	Phase
HR5	If local aerial operators identify the need for a risk assessment, the standards outlined in the AS 3891.2:2018 Air navigation – Cables and their supporting structures – Marking and safety requirements Part 2: Low level aviation operations will be followed.	EMP	Zinfra	Pre-construction Construction Operation
Soils, geology and contamination				
SC1	Disturbance to AECs identified as having a potentially complete source-pathway-receptor linkage in the Contamination Assessment, will be managed in accordance with a SWMP that will include: • procedures for dewatering, specifying capture, storage, and testing requirements • measures to minimise exposure and migration of potentially contaminated soil in excavated spoil, including handling and storage procedures • relevant HSE requirements, including staff inductions and PPE to minimise the risk of dermal contact and inhalation • requirements for soil testing of excavated soils in accordance with EPA's waste classification guidelines and NEPM (2013), to identify opportunities for onsite reuse or offsite disposal (eg contaminated material) at licenced facility • contaminated groundwater will not be released to the surrounding environment and will be disposed of at a licenced facility. Elements of the SWMP relating to contamination will be prepared, or reviewed and approved by a suitably certified consultant. In AECs with potentially complete source-pathway-receptor linkages, ground disturbance will be minimised to the extent practicable and construction staged with progressive rehabilitation to minimise the amount of disturbed land at any one time.	SWMP	Zinfra	Detailed design Construction Operation
SC2	At the construction compound sites, the avoidance and minimisation of ground disturbance will consider the importation and placement of engineering fill, Excavated Natural Materials (ENM) or Virgin Excavated Natural Materials (VENM) as a construction base to avoid disturbance of potentially contaminated soils in these areas. If excavation and earthworks is required, the contamination status of the surface soils will be assessed and management, if necessary, will be undertaken in accordance with procedures detailed in the CEMP.	SWMP	Zinfra	Construction
SC3	The CEMP will include an adaptive management approach to reduce human health risk and environment risk. The approach will respond to soil contamination test results and if additional contamination-related information becomes available, for example contamination reports relating to AEC 10, which may inform the need for further assessment and additional management measures in accordance with: • the Assessment of Site Contamination (NEPC 2013) • the Waste Classification Guidelines (NSW EPA 2014). An Asbestos Management Plan will be prepared to outline management measures to prevent the mobilsation of airborne asbestos fibres. Any remediation of the construction work area as a result of accidental spills or encountering contaminated materials, will be undertaken based on a site specific Remedial Action Plan (RAP). The RAP will define remedial goals and objectives, performance criteria for remedial effort and remediation methodology. A validation report will be prepared after remedial effort and be in accordance with the NSW EPA Guidelines for Consultants Reporting on Contaminated Land (NSW EPA, 2020b).	SWMP Asbestos Management Plan CEMP Section 4.6.2	Zinfra	Construction

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ID	Environmental measures	Where Addressed	Responsibility	Phase
SC4	Prior to the demolition of any structure and/or building, including transmission structures, a hazardous materials audit would be undertaken in accordance with Australian Standard AS 2601-2001: *The demolition of structures,* if information on materials is not already available.	CEMP Section 2.5	Zinfra	Detailed design Construction
SC5	Chemicals, fuels, oils or other hazardous substances will be stored, handled and used in accordance with relevant legislation, Australian Standards and other applicable guidelines, including Transgrid procedures. A spill response procedure will be developed and implemented as part of the SWMP. Spill kits will contain materials suitable for the work being undertaken. Portable spill kits will be easily accessible and available to onsite construction, maintenance personnel and contractors when accessing transmission lines. All onsite construction and maintenance personnel will be inducted in spill response procedures.	SWMP	Zinfra	Pre-construction Construction Operation
SC6	The discovery of any unexpected contamination during construction will be managed in accordance with an Unexpected Contaminants Finds Protocol which will be prepared as part of the SWMP prior to construction. This protocol will be prepared by, or reviewed and approved by a suitably certified consultant.	SWMP	Zinfra	Construction
SC7	Prior to ground disturbance in areas of potential acid sulfate soil or rock occurrence, testing will be carried out to determine the presence of actual and/or potential acid sulfate soils or rocks. If acid sulfate soils or rocks are encountered, they will be managed in accordance with the Acid Sulfate Soil Manual (ASSMAC, 1998) and Transgrid's Health, Safety and Environment Guideline.	SWMP	Zinfra	Construction
Economic – Benefit enhancement measures, as no mitigation measures are required				
E1	An Aboriginal Participation Plan and an Australian Industry Participation Plan will be prepared and implemented for the Project in line with First Nations Guidelines (such as the Australian Government Indigenous Procurement Policy (IPP)) and the Renewables Energy Sector Board Plan (Office of Energy and Climate Change, 2022). The key objective of the Plans will be to ensure full, fair and reasonable opportunities for local, regional and Indigenous businesses to participate in the Project's supply chain. The Plans will: • identify and provide initiatives to maximize opportunities for local businesses to supply goods and services • identify how local participation will be promoted • identify and describe opportunities for stakeholder collaboration and partnerships with Council, the local chamber of commerce and Local Aboriginal Land Councils • identify initiatives for industry workforces to transition between industry sectors • consider potential cumulative economic effects in consultation with industry and other nearby Project proponents.	Aboriginal Participation Plan and Australian Industry Participation Plan	Zinfra	Detailed design Pre-construction Construction
Social				
S1	An overarching CSEP will be developed to guide delivery of engagement throughout all phases of the Project, to ensure that: • accurate and accessible information about the Project is provided • feedback from the community is encouraged • opportunities for input are provided • community members and stakeholders with the potential to be affected by construction activities are notified in a timely manner about the timing of activities and potential for impacts • enquiries and complaints are managed, and a timely response is provided for concerns raised. The aims and outcomes of the CSEP will be reviewed and monitored to ensure effectiveness and that the plan adapts to any specific and changing circumstances. Communications and engagement activities will include approaches and protocols to: • communicate with potentially affected residents, other community members, businesses and other key	CCS	Zinfra	Pre-construction Construction Operation

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ID	Environmental measures	Where Addressed	Responsibility	Phase
	stakeholders to provide information about the Project, and the likely nature, extent and duration of changes during construction • share information about the Project with other regional stakeholders to assist with managing cumulative impacts on local and regional communities.			
S2	An enquiries and complaints management system will be developed in accordance with Transgrid's Complaints Management Policy, and outlined in the CSEP, and implemented during all phases of the Project. The complaints management systems will be maintained throughout the construction period and for a minimum of 12-months after construction finishes.	CCS	Zinfra	Pre-construction Construction Operation
S3	A Workforce Management Plan will be developed in consultation with Lithgow City Council and service providers, including local and regional health and emergency services providers to manage the potential impacts of the non-resident construction workforce. The Plan will: • include an accommodation strategy with measures to reduce negative impacts of the Project workforce, identification of preferred workforce accommodation options and a review accommodation supply and availability • include strategies to promote wellbeing of the workforce • outline a code of conduct for workers, policies relating to antisocial behaviour • identify health and wellbeing service needs of the temporary construction workforce, including medical, allied health and wellbeing services • outline information to the workforce on community services, recreation facilities, events, tourism activities and how to access health services • consider the cumulative accommodation impacts associated with other major Projects in the area • include a program to monitor and review the effectiveness of the Plan. Options for prioritising the employment of local workers for the construction phase will be investigated. This will include consideration of requirements for: • recruitment, skills and training measures, including identification of skills and qualifications required, and training targets • how the contractor will work with regional stakeholders to upskill local residents, including Indigenous and culturally diverse communities.	Accommodation and Employment Strategy	Zinfra	Pre-construction Construction
S4	Options for prioritising the employment of local workers for the construction phase will be investigated. This will include consideration of requirements for: • recruitment, skills and training measures, including identification of skills and qualifications required, and training targets • how the contractor will work with regional stakeholders to upskill local residents, including Indigenous and culturally diverse communities.	Pre-construction Construction		Accommodation and Employment Strategy
S5	A Local Industry Participation Plan and an Aboriginal Participation Plan have been developed and will be implemented to ensure opportunities for local, regional and Indigenous businesses to participate in the Project's supply chain. Implementation of the plans will include: • a process for local businesses to source information about supply opportunities for the Project • host business information evenings • maintain a local supply chain register • step appropriate targets for local and Indigenous business procurement.	Pre-construction Construction		Local Industry Participation Plan and an Aboriginal Participation Plan
S6	Transgrid will continue to promote and engage with the community, interest groups and Lithgow City Council during all stages of the Project to identify methods and opportunities to maximise community benefits and enhancements to leave a lasting legacy in the area.	Pre-construction Construction Operation		CCS

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ID	Environmental measures	Where Addressed	Responsibility	Phase
Air quality				
AQ1	A construction dust control protocol will be prepared and implemented as part of the CEMP and SWMP that details management measures, a method for recording dust complaints, and monitoring the effectiveness of controls. The protocol will include: • locate dust generating activities away from sensitive receptors • dust suppression measures such as water sprays, water extension agents, soil stabilising polymers or other media on: - on unpaved work areas and tracks subject to traffic or wind - on spoil and aggregate stockpiles - during loading and unloading of dust generating materials. • provide adequate water supply on site for dust suppression • wind monitoring and forecasting using Bureau of Meteorology AWS forecasts, to identify conditions where winds are over 10 m/s and the additional controls required to reduce dust if observed to be leaving the site boundary • implement measures to minimise the tracking of dust generating material onto paved roads • minimising the extent of ground disturbance at any one time as far as practicable, such as planning and scheduling vegetation clearing and grubbing activities to minimise areas of open and exposed soil • disturbed land will be stabilised as soon as practicable after completion of construction works and will also include: - construction benches, where not in riparian zones, to be left in a stable, weed free condition - brake and winch sites to be restored to previous condition - access tracks not required for operation to be returned to previous condition unless otherwise agreed with the relevant landowner - disturbed areas in riparian zones to be rehabilitated to ensure bank stability and minimise ecological impacts in accordance with a Rehabilitation Management Plan. • stockpile management to minimising the amount of material stockpiled, protecting stockpiles from wind erosion, and positioning stockpiles as far as practicable from nearby receptors • covering of transport loads of spoil, earthwork materials, waste and other loose materials when leaving the site to prevent escape of materials during transport. • The CEMP will also include a routine review of Project activities against schedule 1 of the POEO Act to ensure an EPL is obtained before Project activities exceeds thresholds.	SWMP	Zinfra	Pre-construction Construction
AQ2	Visual monitoring will be undertaken. Where visible dust or wind-blown rubbish is observed leaving the site boundary towards sensitive receptors with the potential to result in amenity impacts, the dust generating construction activity will be modified or stopped until the hazard is reduced to an acceptable level, where practicable and appropriate, to minimise amenity impacts.	CEMP Section 4.8		
AQ3	Plant, vehicles and equipment will be maintained in good condition in accordance with manufacturer's specifications. Plant, vehicles and equipment will be turned off when not in use.	Zinfra	Construction	
AQ4	Approaches to reduce GHG emissions in line with Transgrid's Science Based Targets initiative (SBTi) GHG emission reduction targets during construction will be implemented such as: • employing efficient construction methods and reuse of materials, where possible • using local suppliers as much as possible to reduce transport emissions • using high efficiency diesel, where possible • avoiding and minimising vegetation clearance as much as possible.	WHSMP	Zinfra	Construction

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ID	Environmental measures	Where Addressed	Responsibility	Phase
AQ5	Measures to minimise/substitute fuel consumption during construction include: • using fuel efficient equipment rated for high fuel efficiency • equipment and site vehicles onsite will be regularly serviced, and energy efficient vehicles or equipment will be selected where available • optimise equipment use. Equipment and site vehicles must be switched off when not in constant use and not left idling and scheduling works to minimise machine operation • use of renewable energy such as battery power lighting and solar panels for site power and use of biofuels where possible.	Sustainability Management Plan	Zinfra	Construction
AQ6	Measures to minimise earthworks and re-use considerations include: • spoil from drilling will be re-used as backfill if uncontaminated • excavated material from foundations will be re-used for landscape fill • planning and management of drill spoil including stockpile segregation for re-use or disposal • use of excavated material for access track formation.	Sustainability Management Plan	Zinfra	Construction
Waste				
WM1	A Waste Management Plan (WMP) will be prepared and implemented. The WMP will outline processes, responsibilities, and measures to manage waste and resource use: • in line with circular economy principles and the waste hierarchy contained in the Waste Avoidance and Resource Recovery Act 2001 • in compliance with the EPA's Waste Classification Guidelines, Resource Recovery Orders and other statutory requirements • in consultation with Lithgow City Council and waste receivers to confirm receipt of Project waste types and volumes, and to consider cumulative impacts from multiple construction Projects proposing to utilise Council's waste facilities • include identification of disposal location based on the types and quantities of waste generated • include systems to sort, track and record the actual types and quantities of waste generated including contaminated waste, a stockpile register, waste re-used, recycled and transported for offsite disposal • include portable amenity facilities to store wastewater from construction compounds and disposal to licensed facilities by a licensed contractor. • include record keeping for all offsite waste disposal (where required) and for the importation of materials, such as engineering fill and ENM or VENM • include measures for separating waste based on classification of management options, such as colour coded bins • include routine inspection and visual monitoring of waste management activities, such as ensuring waste receptacles are covered and wind-blown rubbish is collected and disposed of appropriately.	Waste Management Plan	Zinfra	Pre-construction Construction
Cumulative impacts				
C1	Coordination and engagement with proponents and/or construction contractors of relevant future Projects will occur during detailed design and prior to construction to confirm timing of construction. Coordination and engagement will include: • providing regular construction program updates • identifying potential conflict and constraints points with other relevant future Projects, eg proximity of work sites, or shared construction access routes and traffic management requirements, accommodation requirements • developing mitigation strategies in order to manage conflicts and constraints that may arise.	CCS	Zinfra	Detailed design Construction

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Appendix E – Project Environmental Risk Register

Mount Piper to Wallerawang Transmission - Environmental Risk Register

Risk ID	Environmental Aspect	Task / Activity	Environmental Hazard / Risk Event	Potential Environmental Impact / Consequence	Initial Likelihood	Initial Consequence	Initial Risk Rating	Statutory / Approval Requirement / Limit	EIS Impact / Risk Reference	Source Requirement	Management Measures	Residual Likelihood	Residual Consequence	Residual Risk Rating
GEN-01	General environmental management	All construction activities	Failure to implement reasonable and feasible environmental safeguards	Material environmental harm, approval non-compliance and impacts beyond those assessed	Possible	Severe	Significant	All reasonable and feasible measures are to be implemented to prevent, or otherwise minimise, material harm. Development is to comply with the approval, written directions and be carried out generally in accordance with the EIS and approved layout.	EIS suite as defined in approval; Submissions Report Appendix B, all REMMs	CoA A1-A4; C1(e); all REMMs	1. Review applicable approval conditions and REMMs before commencing each activity. 2. Include applicable environmental requirements in activity planning and work methods. 3. Communicate relevant controls through inductions and pre-work briefings. 4. Implement site controls before and during the activity. 5. Verify the activity remains within the approved development area and assessed impacts.	Unlikely	Severe	Moderate
GEN-02	Environmental management	Changes to design, staging or construction methodology	Unassessed change or increased environmental impact	Impacts outside the approved scope and potential requirement for further approval	Possible	Severe	Significant	Environmental risk assessment is not to be used to authorise physical changes or increased impacts not described and assessed in the EIS. Final layout is to be submitted and construction is to accord with it.	EIS suite; approved development layout; Submissions Report Appendix B	CoA C1(e) Note; C3-C12	1. Assess proposed design and methodology changes against the approval and EIS. 2. Confirm the change remains within the approved project description and development area. 3. Identify whether the change could increase an assessed environmental impact. 4. Complete the required consistency and environmental review before implementation. 5. Refer changes requiring further approval to the appropriate approval pathway.	Unlikely	Severe	Moderate
GEN-03	Cumulative impacts	Programming and interface with nearby projects	Overlapping works and shared resource or access constraints	Cumulative noise, traffic, accommodation, community and environmental impacts	Likely	Severe	High	Staging mechanisms are to manage cumulative impacts; specific environmental conditions and EIS commitments apply.	Submissions Report Appendix B, REMM C1; REMM NV8; T1; S1; S3	CoA C4(d)-(e); REMM C1	1. Coordinate with relevant proponents and contractors. 2. Exchange construction program updates. 3. Identify shared access, workforce, noise and worksite conflicts. 4. Develop coordinated mitigation strategies.	Unlikely	Severe	Moderate
BIO-01	Biodiversity	Detailed design and work-area planning	Avoidable vegetation and habitat disturbance	Loss and fragmentation of native vegetation and threatened species habitat	Possible	Severe	Significant	Vegetation and habitat clearing limits in Appendix 2 Tables 2-1 to 2-3 are not to be exceeded; clearing of native vegetation, key habitat and impacts on threatened species and hollow-bearing trees are to be minimised.	Submissions Report Appendix B, REMM B01-B03; BDAR dated 15 December 2025	CoA B20; B24; C11-C12; REMM B01-B03	1. Investigate design opportunities to retain native vegetation and trees. 2. Prioritise retention of threatened eucalypts and hollow-bearing trees. 3. Map approved clearing areas and vegetation to be protected. 4. Establish exclusion zones around retained habitat and vegetation. 5. Clearly demarcate construction boundaries before work commences.	Unlikely	Severe	Moderate
BIO-02	Biodiversity	Vegetation clearing	Clearing outside approved boundaries	Unauthorised vegetation loss, habitat impact and exceedance of approved clearing limits	Possible	Severe	Significant	Clearing limits in Appendix 2 Tables 2-1 to 2-3 are not to be exceeded. Final layout plans are to compare the proposed layout with approved vegetation clearing.	Submissions Report Appendix B, REMM B02-B03; BDAR	CoA B20(a); B24(d); C11-C12; REMM B02-B03	1. Survey and clearly demarcate approved clearing limits. 2. Use high-visibility boundary controls and signage. 3. Show retained vegetation and exclusion zones on construction plans. 4. Maintain clearing boundary controls throughout construction. 5. Restrict plant, materials and personnel to approved disturbance areas.	Unlikely	Severe	Moderate
BIO-03	Biodiversity	Pre-clearing surveys and vegetation removal	Removal of threatened flora, including Black Gum and Capertee Stringybark	Loss of listed threatened flora and exceedance of assessed impacts	Possible	Severe	Significant	Clearing limits for threatened flora in Appendix 2 Table 2-2 are not to be exceeded unless otherwise agreed with the Planning Secretary.	Submissions Report Appendix B, REMM B03 and B06; BDAR	CoA B20-B24; Appendix 2 Table 2-2; REMM B03, B06	1. Complete pre-clearing surveys. 2. Identify and mark threatened eucalypts to be removed and retained. 3. Install tree protection and no-go zones. 4. Avoid additional removal. 5. Apply AS 4970-2009 tree protection measures where practicable.	Unlikely	Severe	Moderate
BIO-04	Biodiversity	Clearing and construction	Unexpected threatened species or ecological community find	Unassessed impact to threatened flora, fauna or ecological communities	Unlikely	Severe	Moderate	Unexpected find protocols are to require work to stop, notification to the Planning Secretary and CPHR, consultation and endorsement before recommencement.	Submissions Report Appendix B, REMM B05; BDAR	CoA B24(d)(iv); REMM B05	1. Implement the Unexpected Species Finds Protocol. 2. Stop work in the affected location when an unexpected threatened species or community is identified. 3. Protect the find from further disturbance. 4. Obtain advice from a suitably qualified biodiversity specialist. 5. Notify required agencies and implement additional mitigation before endorsed recommencement.	Rare	Severe	Moderate
BIO-05	Biodiversity	Piling and vehicle movements near rocky outcrop habitat	Disturbance to Large-eared Pied Bat breeding or roosting habitat	Disturbance, roost abandonment, injury or mortality to a serious and irreversible impact entity	Possible	Severe	Significant	Impacts on SAII entities, including Large-eared Pied Bat, are to be minimised.	Submissions Report Appendix B, REMM B07; BDAR	CoA B24(d)(xi); REMM B07	1. Wherever possible, undertake piling within 80 m outside the November-January breeding period. 2. Establish a minimum 10 m exclusion buffer. 3. Complete targeted pre-clearing surveys. 4. Inspect weekly during breeding season. 5. Reroute light vehicles if bats are recorded. 6. Consider lower-impact piling methods.	Unlikely	Severe	Moderate
BIO-06	Biodiversity	Felling hollow-bearing trees and open excavations	Fauna injury, mortality or entrapment	Death or injury of native fauna and loss of habitat resources	Likely	Severe	High	Impacts to fauna and hollow-bearing trees are to be minimised, including through pre-clearance surveys.	Submissions Report Appendix B, REMM B08-B10; BDAR	CoA B20(b); B24(d)(ii); REMM B08-B10	1. Apply fauna handling and rescue procedures. 2. Qualified ecologist to supervise hollow-bearing tree removal. 3. Stage felling. 4. Salvage hollows and logs where practicable. 5. Manage and inspect trenches and drill sites. 6. Record fauna interactions and management outcomes.	Unlikely	Severe	Moderate
BIO-07	Biodiversity	Removal of hollow-bearing trees	Loss of denning and nesting habitat	Reduced habitat availability for hollow-dependent fauna	Likely	Severe	High	Loss of key fauna habitat, including tree hollows, is to be minimised and salvaged resources maximised for beneficial reuse.	Submissions Report Appendix B, REMM B10-B11; BDAR	CoA B24(d)(ii),(vii); REMM B10-B11	1. Implement a Nest Box Strategy developed in consultation with NPWS. 2. Prioritise reuse of natural hollows. 3. Identify target species and suitable cavity sizes. 4. Install suitable replacement habitat and monitor effectiveness.	Unlikely	Severe	Moderate
BIO-08	Biodiversity and biosecurity	Movement of plant, vehicles, soil and personnel	Introduction or spread of pathogens	Disease impacts to native flora and fauna, including chytrid fungus transmission	Possible	Severe	Significant	Potential indirect and prescribed biodiversity impacts are to be minimised; disease controls are to follow relevant biodiversity hygiene protocols.	Submissions Report Appendix B, REMM B13; BDAR	CoA B24(d)(ii)-(iii); REMM B13	1. Ensure machinery enters the site free of vegetation and soil. 2. Use designated washdown and hygiene controls before entering sensitive work areas. 3. Apply hygiene controls when moving between affected and unaffected areas. 4. Implement chytrid fungus controls consistent with applicable wildlife hygiene guidance.	Unlikely	Severe	Moderate
BIO-09	Biosecurity	Vegetation stripping, soil movement and maintenance activities	Spread or establishment of priority weeds	Degradation of native vegetation, land and adjoining properties	Possible	Severe	Significant	Priority weeds are to be managed under the Biosecurity Act 2015; erosion, weeds and feral pests are to be controlled.	Submissions Report Appendix B, REMM B14; BDAR	CoA B24(d)(ix); Biosecurity Act 2015; REMM B14	1. Avoid unnecessary soil and vegetation disturbance. 2. Do not remove weed-contaminated soil or stripped groundcover from the project footprint. 3. Identify and manage declared priority weeds in accordance with the Biosecurity Act 2015. 4. Implement the biosecurity and weed controls established in the BMP. 5. Apply the general biosecurity duty during construction and maintenance activities.	Unlikely	Severe	Moderate
BIO-10	Biodiversity	Clearing, line design and maintenance	Reduced habitat connectivity	Fragmentation and restricted movement of Squirrel Glider and other arboreal fauna	Likely	Severe	High	A connectivity strategy is required for potentially impacted species identified in the BDAR.	Submissions Report Appendix B, REMM B15; BDAR	CoA B24(d)(v); REMM B15	1. Prepare and implement the Habitat Connectivity Strategy. 2. Prioritise exclusion areas and retention of mature trees. 3. Use partial clearing where it can retain or improve connectivity. 4. Assess existing and post-construction glider crossing opportunities. 5. Consider suitable revegetation or crossing structures where feasible.	Unlikely	Severe	Moderate
BIO-11	Biodiversity	Transmission line design and operation	Bird or bat collision, entanglement or electrocution	Injury or mortality of threatened birds and bats	Possible	Severe	Significant	Potential indirect or prescribed impacts on threatened fauna are to be minimised.	Submissions Report Appendix B, REMM B16; BDAR	CoA B24(d)(ii); REMM B16	1. Assess collision and electrocution risk in open habitat along Coxs River. 2. Consider fauna deterrent devices for threatened birds and bats. 3. Select device type and positioning through the Habitat Connectivity Strategy. 4. Consult the design team when integrating deterrent measures.	Unlikely	Severe	Moderate
BIO-12	Aquatic biodiversity	Instream or adjacent works at watercourses	Restriction of fish passage or disturbance of aquatic habitat	Aquatic habitat degradation and barriers to fish movement	Possible	Serious	Moderate	Waterfront land activities are to comply with controlled activity, fish passage and fish habitat guidelines unless relevant agencies agree otherwise.	Submissions Report Appendix B, REMM B18-B20	CoA B17; B53 Table 2; REMM B18-B20	1. Minimise additional restriction to fish passage. 2. Apply relevant watercourse crossing and fish habitat guidelines. 3. Consult DPIRD Fisheries on dewatering and aquatic biota management. 4. Do not discharge invasive fish to natural waterways.	Unlikely	Serious	Low
NV-01	Noise and vibration	General construction, demolition and upgrading	Work outside approved hours	Sleep disturbance, amenity impacts and non-compliance	Possible	Severe	Significant	Standard hours are 7 am-6 pm Monday-Friday, 8 am-1 pm Saturday, and no work Sunday or NSW public holidays, except as permitted by B2 or approved protocol.	Submissions Report Appendix B, REMM NV1, NV3 and NV5	CoA B1-B2; B11(h); REMM NV1, NV3, NV5	1. Schedule work within the approved construction hours. 2. Assess proposed out-of-hours work through the approved OOHW Protocol. 3. Verify predicted noise and sleep-disturbance impacts. 4. Notify potentially affected receivers and apply additional mitigation. 5. Provide respite where required and manage associated complaints.	Unlikely	Severe	Moderate
NV-02	Noise and vibration	Operation of construction plant, piling and material handling	Excessive construction noise	Disturbance to sensitive receivers and exceedance of noise management levels	Possible	Severe	Significant	Construction noise is to be minimised and managed in accordance with the Interim Construction Noise Guideline; additional measures are required where exceedances are predicted.	Submissions Report Appendix B, REMM NV1-NV4	CoA B3-B4; B7; B11; REMM NV1-NV4	1. Select lower-noise plant and methods. 2. Use screens or enclosures where feasible. 3. Maximise separation. 4. Use broadband reversing alarms. 5. Avoid unnecessary idling and high-impact handling. 6. Locate compound noise sources away from residences and use structures as shielding.	Unlikely	Severe	Moderate
NV-03	Noise and vibration	Vibration-intensive works near receivers, heritage or utilities	Ground vibration exceeds applicable criteria	Human disturbance, structural damage, heritage impact or utility damage	Possible	Severe	Significant	Vibration limits are to be established using Assessing Vibration: a technical guideline, BS 7385 Part 2 and DIN 4150-3.	Submissions Report Appendix B, REMM NV1 and NV6	CoA B6-B7; B11; B26; REMM NV1, NV6	1. Establish safe working distances. 2. Undertake condition surveys where required. 3. Use lower-vibration methods. 4. Sequence activities. 5. Monitor at commencement. 6. Cease work if criteria may be exceeded. Consult heritage specialists and asset owners where relevant.	Unlikely	Severe	Moderate
NV-04	Noise and vibration	Construction traffic on local roads	Elevated traffic noise	Amenity and sleep disturbance at roadside receivers	Possible	Severe	Significant	Road traffic mitigation is to aim to achieve criteria in the NSW Road Noise Policy.	Submissions Report Appendix B, REMM NV7	CoA B5; B35(f)(vi); REMM NV7	1. Route construction traffic to minimise traffic noise at sensitive receivers. 2. Schedule vehicle movements at less-sensitive times where practicable. 3. Distribute vehicle movements to reduce peak traffic noise where practicable. 4. Apply temporary speed restrictions near potentially affected receivers.	Unlikely	Severe	Moderate
NV-05	Noise and vibration	Concurrent works with nearby projects	Cumulative construction noise and vibration	Elevated combined impacts at sensitive receivers	Possible	Severe	Significant	All reasonable and feasible measures are to minimise noise; staging is to manage cumulative impacts.	Submissions Report Appendix B, REMM NV8	CoA A1; B3; C4(e); REMM NV8	1. Coordinate noisy activities with nearby proponents. 2. Consider combined barriers. 3. Account for cumulative levels in compliance monitoring. 4. Align community notification and complaint handling.	Unlikely	Severe	Moderate

TR-01	Traffic and transport	Heavy, light and escorted vehicle movements	Use of unapproved transport routes	Road safety impacts, community disruption and approval non-compliance	Possible	Serious	Moderate	Heavy vehicles requiring escort and all construction vehicles are to use routes identified in Appendix 4 unless otherwise agreed.	Submissions Report Appendix B, REMM T1	CoA B28-B31; Appendix 4 Figures 4-1 and 4-2; REMM T1	1. Use approved routes. 2. Map routes in the TTMP. 3. Brief drivers. 4. Obtain OSOM and road occupancy permits. 5. Enforce prohibited turns and the 19 m vehicle length limit unless otherwise approved.	Unlikely	Serious	Low
TR-02	Traffic and transport	Construction access and intersection movements	Unsafe access, queuing or conflict with road users	Collision risk, delay and disruption to local road users	Possible	Serious	Moderate	Traffic safety impacts and disruptions are to be minimised; specific turn restrictions and road controls apply.	Submissions Report Appendix B, REMM T1 and T4	CoA B31; B35; REMM T1, T4	1. Confirm sight distance. 2. Install agreed traffic controls and signage. 3. Stagger heavy vehicle arrivals. 4. Avoid peak periods where feasible. 5. Maintain forward entry and exit and covered loads. 6. Monitor queuing and adjust controls.	Unlikely	Serious	Low
TR-03	Traffic and transport	Temporary access restrictions and road closures	Loss or disruption of property, business, NPWS or emergency access	Access disruption, stakeholder impact and delayed emergency response	Possible	Severe	Significant	The TTMP is to minimise disruption and maintain emergency access; access impacts are to be managed with affected parties.	Submissions Report Appendix B, REMM T2; LU3-LU4	CoA B35(f); REMM T2, LU3, LU4	1. Consult affected owners, occupiers, managers, Centennial Coal and NPWS. 2. Maintain agreed access. 3. Provide alternative arrangements where disruption cannot be avoided. 4. Maintain emergency vehicle access at all times.	Unlikely	Severe	Moderate
TR-04	Traffic and transport	Use of local and regional roads	Damage or accelerated deterioration of roads	Unsafe road conditions and cost or disruption to the community	Possible	Serious	Moderate	Independent dilapidation surveys and repair of project-related damage are required within specified approval timeframes.	Submissions Report Appendix B, REMM T3	CoA B34; REMM T3	1. Complete pre-use, annual and post-construction dilapidation surveys. 2. Monitor road condition. 3. Promptly address safety-critical damage. 4. Rectify project-related damage in consultation with the road authority.	Unlikely	Serious	Low
TR-05	Traffic and transport	Use of Brays Lane by heavy and OSOM vehicles	Bridge or culvert capacity insufficient for loads	Structural damage, road safety incident and access disruption	Possible	Severe	Significant	A structural assessment of Brays Lane bridges is required and relevant route controls apply.	Submissions Report Appendix B, REMM T5	CoA B35(e); REMM T5	1. Obtain a structural assessment by a suitably qualified structural engineer before heavy or OSOM use. 2. Confirm the load capacity and any restrictions applying to the Brays Lane crossings. 3. Consult the relevant road authority on assessment outcomes. 4. Use agreed alternative routes where structural restrictions are identified.	Rare	Severe	Moderate
TR-06	Traffic and transport	Vehicle movements from unsealed areas	Tracking of mud, dirt or debris onto public roads	Road safety risk, dust and water-quality impacts	Possible	Serious	Moderate	The TTMP is to minimise dirt and debris tracked onto the public road network.	Submissions Report Appendix B, REMM T1; AQ1	CoA B35(f); REMM T1, AQ1	1. Stabilise access points. 2. Inspect road interfaces. 3. Clean tracked material promptly. 4. Cover or contain loads. 5. Maintain site roads and water-related infrastructure in a safe and serviceable condition.	Unlikely	Serious	Low
AQ-01	Air quality	Clearing, earthworks, stockpiles and vehicle movements	Dust generation and off-site migration	Amenity impacts, reduced air quality and complaints	Possible	Serious	Moderate	All reasonable steps are to minimise dust and surface disturbance.	Submissions Report Appendix B, REMM AQ1-AQ2	CoA B12; REMM AQ1-AQ2	1. Implement dust control protocol. 2. Suppress exposed surfaces and stockpiles. 3. Maintain water supply. 4. Minimise open disturbed areas. 5. Stabilise completed areas. 6. Protect stockpiles from wind. Monitor visible dust and modify or stop work if dust leaves the site toward	Unlikely	Serious	Low
AQ-02	Air quality	Operation of plant, vehicles and equipment	Exhaust emissions and unnecessary idling	Local air-quality impacts and greenhouse gas emissions	Possible	Serious	Moderate	Plant and equipment are to be maintained and operated in a proper and efficient manner; dust and EIS commitments apply.	Submissions Report Appendix B, REMM AQ3-AQ5	CoA A19; B12; REMM AQ3-AQ5	1. Maintain plant to manufacturer requirements. 2. Switch off when not in use. 3. Select fuel-efficient or lower-emission equipment where available. 4. Optimise plant utilisation and logistics.	Unlikely	Serious	Low
SW-01	Soil and water	Clearing, grading, excavation and access-track construction	Erosion and sediment generation	Sedimentation of waterways, soil loss and land instability	Possible	Severe	Significant	Erosion is to be minimised and drainage and erosion/sediment controls designed, installed and maintained to nominated IECA and Blue Book guidance.	Submissions Report Appendix B, REMM W1; LU8	CoA B14; REMM W1, LU8	1. Prepare site-specific ESCPs with suitably qualified input. 2. Install controls before disturbance. 3. Minimise exposed soil. 4. Maintain drainage and sediment controls. 5. Progressively stabilise disturbed areas.	Unlikely	Severe	Moderate
SW-02	Soil and water	Construction compounds, refuelling and chemical use	Spill or leak of fuels, oils or chemicals	Soil, surface-water or groundwater contamination	Possible	Serious	Moderate	No water pollution is permitted unless authorised by an EPL; compounds require appropriate water management and spills are to be minimised and cleaned up promptly.	Submissions Report Appendix B, REMM W1 and SC5	CoA B15-B16; B42-B43; REMM W1, SC5	1. Store liquids in suitable bunded areas. 2. Maintain accessible spill kits. 3. Induct personnel in spill response. 4. Inspect storage and handling areas. 5. Contain and clean up spills promptly. 6. Manage contaminated clean-up materials lawfully.	Unlikely	Serious	Low
SW-03	Soil and water	Watercourse crossings and waterfront-land works	Bank disturbance, erosion or inappropriate crossing design	Water-quality degradation, bank instability and aquatic habitat impact	Possible	Severe	Significant	Activities on waterfront land are to accord with nominated controlled-activity, fish-passage and habitat guidelines unless agencies agree otherwise.	Submissions Report Appendix B, REMM B04, B18 and W6	CoA B17; B53 Table 2; REMM B04, B18, W6	1. Apply riparian buffers and exclusion zones. 2. Retain root balls and trunk bases where practicable. 3. Minimise ground disturbance. 4. Design and construct crossings to relevant guidelines. 5. Rehabilitate banks and riparian areas to stable condition.	Unlikely	Severe	Moderate
SW-04	Soil and water	Works in flood-prone areas and construction compounds	Flooding of work areas or alteration of flood behaviour	Pollution, erosion, damage, unsafe evacuation and off-site flood impacts	Possible	Severe	Significant	Development is not to materially alter flood storage, flows or characteristics. Flood risk is to be managed through the SWMP and Emergency Plan.	Submissions Report Appendix B, REMM W2-W4	CoA B18-B19; B35(i); B46(h)-(i); REMM W2-W4	1. Implement flood TARP and response plan. 2. Monitor forecasts and catchment conditions. 3. Do not commence or continue work where flood risk exists. 4. Remove people, plant and materials before predicted inundation. 5. Design flood-area structures for applicable flood conditions.	Unlikely	Severe	Moderate
SW-05	Groundwater	Excavation, drilling and dewatering	Groundwater inflow or inappropriate discharge	Groundwater drawdown, contaminated discharge and water pollution	Possible	Severe	Significant	Necessary water licences are required; SWMP is to manage groundwater and include trigger actions if inflows exceed 3 ML/year.	Submissions Report Appendix B, REMM W5	CoA B13; B15; B19(c); REMM W5	1. Implement dewatering procedure. 2. Track inflow and extraction volumes. 3. Identify licences. 4. Test water quality. 5. Treat, reuse or dispose lawfully. 6. Activate groundwater response measures if inflows are greater than 3 ML/year.	Rare	Severe	Moderate
SW-06	Water supply	Construction water demand	Insufficient lawful water supply	Pressure on local water resources and inability to implement dust or construction controls	Unlikely	Severe	Moderate	Sufficient water is required for all stages and the development scale is to match available supply; necessary extraction licences are required.	Submissions Report Appendix B, REMM W1 and AQ1	CoA B13; REMM W1, AQ1	1. Confirm lawful construction water sources before use. 2. Verify that sufficient water is available for the relevant stage of work. 3. Maintain adequate supply for construction and dust suppression. 4. Obtain any required water licences or approvals before extraction. 5. Adjust the scale or sequencing of activities if supply is insufficient.	Rare	Severe	Moderate
CONT-01	Contamination	Ground disturbance in identified areas of environmental concern	Exposure or mobilisation of contaminated soil or groundwater	Human-health risk, pollution and unlawful waste disposal	Possible	Severe	Significant	Contaminated land, soil and groundwater are to be investigated, assessed and managed through the SWMP.	Submissions Report Appendix B, REMM SC1-SC3	CoA B15-B16; B19(b)(iii); REMM SC1-SC3	1. Minimise disturbance in AECs. 2. Stage works and progressively rehabilitate. 3. Segregate and contain suspect material. 4. Test soil and water. 5. Prevent contaminated groundwater release. 6. Classify and dispose at lawful facilities. Use suitably certified contamination input.	Rare	Severe	Moderate
CONT-02	Contamination	Unexpected contaminated material or asbestos encounter	Disturbance of previously unidentified contamination	Worker exposure, airborne fibres, soil/water contamination and delay	Possible	Severe	Significant	Unexpected or suspected contaminated land and asbestos are to be managed; an unexpected finds approach is required.	Submissions Report Appendix B, REMM SC3 and SC6	CoA B19(b)(iv)-(v); REMM SC3, SC6	1. Implement Unexpected Contaminants Finds Protocol. 2. Stop work and isolate the area. 3. Obtain assessment by a suitably certified consultant. 4. Apply asbestos controls where relevant. 5. Determine lawful remediation, reuse or disposal requirements before recommencing.	Rare	Severe	Moderate
CONT-03	Contamination	Demolition of structures and transmission assets	Hazardous building materials disturbed without assessment	Release of asbestos, lead or other hazardous materials	Possible	Serious	Moderate	Demolition is to comply with AS 2601-2001 or latest version; hazardous materials are to be assessed and managed.	Submissions Report Appendix B, REMM SC4	CoA A17; B19(b)(iv); REMM SC4	1. Complete a hazardous materials audit before demolition where current information is unavailable. 2. Identify asbestos, lead and other hazardous materials relevant to the structure. 3. Incorporate audit findings into the demolition methodology. 4. Segregate, handle and transport hazardous materials using applicable controls. 5. Dispose of hazardous materials at a facility lawfully able to accept them.	Unlikely	Serious	Low
CONT-04	Soils and geology	Excavation in potential acid sulfate soil or rock areas	Oxidation of acid sulfate materials	Acidic runoff, soil degradation and metal mobilisation	Possible	Serious	Moderate	Soil and water impacts are to be managed and water pollution prevented.	Submissions Report Appendix B, REMM SC7	CoA B14-B15; B19; REMM SC7	1. Test potential acid sulfate soil or rock before ground disturbance. 2. Identify actual and potential acid-generating materials. 3. Avoid or minimise disturbance where practicable. 4. Manage confirmed materials in accordance with the Acid Sulfate Soil Manual and project requirements.	Unlikely	Serious	Low
HER-01	Aboriginal cultural heritage	Ground disturbance near known Aboriginal heritage items	Unauthorised harm to Aboriginal objects or places	Loss of cultural heritage values and approval non-compliance	Possible	Severe	Significant	No harm is permitted to items in Appendix 3 Table 3-1; Table 3-2 items are to be managed using specified measures and the ACHMP.	Submissions Report Appendix B, REMM H1-H3; ACHAR	CoA B25; B27; Appendix 3 Tables 3-1 and 3-2; REMM H1-H3	1. Map all sites and PADs. 2. Establish and maintain no-go zones. 3. Avoid ground disturbance at protected sites. 4. Complete approved surface salvage at 45-1-0215 and 45-1-2967 before construction. 5. Implement ACHMP and RAP consultation requirements.	Rare	Severe	Moderate
HER-02	Aboriginal cultural heritage	Excavation and clearing	Unexpected Aboriginal object, heritage item or human remains	Unmanaged cultural heritage impact and loss of contextual information	Possible	Severe	Significant	An Unexpected Finds Procedure and contingency/reporting process are required, including Heritage NSW notification and AHIMS registration.	Submissions Report Appendix B, REMM H1	CoA B25(e); B27(d); REMM H1	1. Implement the unexpected heritage and skeletal-find protocols. 2. Stop work and secure the affected area. 3. Prevent further disturbance to the find. 4. Notify relevant project personnel, Heritage NSW and other required parties. 5. Engage qualified heritage advice and RAPs where applicable before recommencement.	Rare	Severe	Moderate
HER-03	Historic heritage	Works near listed historic heritage items	Direct impact or vibration damage to heritage fabric	Damage to listed heritage significance	Possible	Severe	Significant	Development is not to harm historic heritage items in Appendix 3 Table 3-3; management is to comply with the HHMP.	Submissions Report Appendix B, REMM HH1-HH2	CoA B25-B26; Appendix 3 Table 3-3; REMM HH1-HH2	1. Map heritage items and curtilages. 2. Maintain exclusion zones. 3. Use alternative methods where needed. 4. Consult a suitably qualified heritage specialist. 5. Apply vibration monitoring and trigger actions where required. 6. Provide heritage inductions.	Rare	Severe	Moderate
HER-04	Historic heritage	Vehicle access beneath Wallerawang Rail Bridges over Coxs River	Heavy vehicle impact to bridge fabric or values	Structural or heritage damage	Possible	Serious	Moderate	Travel beneath the Wallerawang Rail Bridges is restricted to light vehicles only; vibration safeguards may be required.	Submissions Report Appendix B, REMM HH2	CoA B26(d)(ii); B35(f)(v); REMM HH2	1. Restrict the existing access road within the curtilage to light vehicles. 2. Maintain signage including height restrictions. 3. Do not upgrade the track within the heritage curtilage. 4. Monitor compliance.	Unlikely	Serious	Low

LU-01	Land use and property	Construction across private, Crown and operational land	Disruption to access, farming, livestock or property operations	Business interruption, landowner conflict and property damage	Possible	Severe	Significant	Public infrastructure damage is to be repaired; Crown land use requires applicable licences and consents; property impacts are to be managed consistent with EIS commitments.	Submissions Report Appendix B, REMM LU1-LU6	CoA A14; REMM LU1-LU6	1. Implement property management plans or agreements. 2. Maintain agreed access and livestock arrangements. 3. Complete pre-condition assessments. 4. Consult landowners, Crown Lands, WaterNSW, Centennial Coal, NPWS and Native Title claimants as applicable.	Rare	Severe	Moderate
LU-02	Utilities and infrastructure	Excavation, piling, access construction and heavy vehicle crossings	Damage to utilities or interference with services	Service interruption, pollution, flooding, safety incident or community disruption	Possible	Severe	Significant	No improvement is to be built within the Fish River Water Supply Scheme easement without prior written agreement from WaterNSW; public infrastructure protections apply.	Submissions Report Appendix B, REMM LU7; NV1 and NV6	CoA A14-A15; REMM LU7, NV1, NV6	1. Identify and verify utilities before work. 2. Show services on plans. 3. Agree protection, access, diversion or support measures with asset owners. 4. Use designated crossings, cover, plating or bog mats where required. 5. Notify owners of planned interruptions.	Rare	Severe	Moderate
LU-03	Land and rehabilitation	Vegetation clearing, topsoil stripping and temporary occupation	Land degradation and loss of rehabilitation resources	Reduced land capability, erosion, weed spread and poor rehabilitation outcomes	Possible	Serious	Moderate	Rehabilitation is to be safe, stable and non-polluting, progressively undertaken, and restore or maintain land capability to pre-existing use.	Submissions Report Appendix B, REMM LU8-LU10 and B12	CoA B53 Table 2; B54-B55; REMM LU8-LU10, B12	1. Minimise clearing. 2. Select clearing methods appropriate to vegetation. 3. Separately strip and stockpile topsoil. 4. Protect stockpiles. 5. Beneficially reuse weed-free woody material and suitable topsoil. 6. Progressively rehabilitate disturbed areas.	Unlikely	Serious	Low
VIS-01	Landscape and visual amenity	Design and construction of towers, access tracks and compounds	Unnecessary vegetation removal or landform change	Reduced landscape character and visual amenity	Possible	Serious	Moderate	Reasonable steps are to minimise visual impacts; existing vegetation removal and landform change are to be minimised.	Submissions Report Appendix B, REMM LV1-LV3	CoA B37-B38; REMM LV1-LV3	1. Minimise vegetation removal and landform changes in design. 2. Retain high-conservation-value trees where practicable. 3. Investigate screening for VP06 receivers in consultation with affected landowners. 4. Implement agreed reasonable and feasible measures.	Unlikely	Serious	Low
VIS-02	Lighting and visual amenity	Night work and compound lighting	Obtrusive light spill	Amenity impact to sensitive receivers and fauna	Possible	Serious	Moderate	External lighting is to be low intensity except for safety/emergency purposes, not shine above horizontal and comply with AS/NZS 4282:2019.	Submissions Report Appendix B, REMM LV4	CoA B39; REMM LV4	1. Use lighting only when required. 2. Position low and angle downward. 3. Use the lowest safe intensity. 4. Shield fittings. 5. Avoid reflective surfaces and direct lighting away from sensitive receivers.	Unlikely	Serious	Low
HR-01	Hazardous materials	Storage and handling of explosives, fuels, oils and chemicals	Loss of containment, fire or incompatible storage	Pollution, fire, injury and approval non-compliance	Possible	Serious	Moderate	Dangerous goods quantities are to remain below SEPP 33 thresholds; explosives, fuels and oils are to comply with relevant standards and EPA liquid-storage guidance, with the most stringent requirement prevailing.	Submissions Report Appendix B, REMM SC5 and HR3	CoA B41-B43; REMM SC5, HR3	1. Maintain inventories below threshold quantities. 2. Store and handle materials to applicable standards. 3. Segregate incompatibles. 4. Provide bunding, labels and spill response equipment. 5. Regularly inspect storage areas.	Unlikely	Serious	Low
HR-02	Bushfire	Hot works, plant operation, vegetation management and compound activities	Ignition or uncontrolled spread of fire	Injury, ecological damage, property loss and disruption to emergency response	Possible	Severe	Significant	Fire risk is to be minimised; APZs, access, water supply, emergency procedures and relevant PBP requirements apply.	Submissions Report Appendix B, REMM HR3-HR4	CoA B45-B46; REMM HR3-HR4	1. Manage fuel loads. 2. Maintain APZs and firefighting water. 3. Control hot works and flammable materials. 4. Provide suitable firefighting equipment. 5. Apply total fire ban restrictions. 6. Maintain emergency access. Induct workers and coordinate with RFS, FRNSW and NPWS.	Unlikely	Severe	Moderate
HR-03	Emergency management	Fire, flood, spill or other site emergency	Inadequate preparedness, evacuation or agency access	Escalation of environmental harm and risk to people	Possible	Severe	Significant	An Emergency Plan is required prior to construction and is to address fire, flood, access, evacuation, isolation and emergency service information.	Submissions Report Appendix B, REMM W2 and HR4	CoA B46; REMM W2, HR4	1. Implement the approved Emergency Plan, site evacuation routes and emergency contacts. 2. Maintain access and emergency information packages. 3. Ensure transmission infrastructure can be safely isolated. 4. Conduct inductions and exercises as required by the plan.	Unlikely	Severe	Moderate
HR-04	Electric and magnetic fields	Transmission line design, construction and operation	EMF exposure above applicable limits	Potential exposure impact and non-compliance	Possible	Severe	Significant	The development is to comply with applicable ICNIRP 2010 EMF limits.	Submissions Report Appendix B, REMM HR2	CoA B44; REMM HR2	1. Design the transmission line to comply with applicable ICNIRP EMF limits. 2. Consider conductor phasing to minimise EMF levels. 3. Apply the relevant Transgrid transmission line design requirements. 4. Verify design compliance with the applicable EMF exposure limits.	Unlikely	Severe	Moderate
HR-05	Radio communications	Operation of transmission infrastructure	Radio or microwave communication interference	Disruption to communication services	Possible	Severe	Significant	Any disruption caused by the development is to be made good as soon as possible and no later than one month unless otherwise agreed.	Submissions Report Appendix B, REMM HR1	CoA B40; REMM HR1	1. Investigate reported radio or microwave interference attributable to the development. 2. Consult the affected service provider, user or landowner. 3. Identify practical rectification measures. 4. Implement agreed measures such as signal boosting or antenna upgrades within the approval timeframe.	Unlikely	Severe	Moderate
WM-01	Waste	Generation, storage, transport and disposal of construction waste	Incorrect classification, mixing or unlawful disposal	Pollution, resource loss, regulatory breach and inadequate disposal capacity	Possible	Serious	Moderate	Waste hierarchy applies; imported and exported waste is to comply with the POEO framework; waste is to be classified and sent only to lawful facilities with records retained.	Submissions Report Appendix B, REMM WM1	CoA B47-B51; REMM WM1	1. Avoid and reduce waste. 2. Segregate by classification. 3. Reuse and recycle where lawful. 4. Classify all off-site waste. 5. Use authorised facilities or applicable resource recovery orders. 6. Retain dockets and tracking records. Cover receptacles and collect wind-blown waste.	Unlikely	Serious	Low
WM-02	Waste and wastewater	Construction compounds and portable amenities	Release or unlawful disposal of sewage or wastewater	Soil and water pollution, odour and health impacts	Possible	Serious	Moderate	Waste storage, treatment and disposal are to comply with the POEO framework and Waste Management Plan requirements.	Submissions Report Appendix B, REMM WM1	CoA B15-B16; B48-B51; REMM WM1	1. Store sewage and wastewater in suitable contained facilities. 2. Inspect facilities for leaks, damage and potential overflow. 3. Arrange collection by an appropriately authorised contractor. 4. Dispose of wastewater only at a facility lawfully able to accept it. 5. Retain collection and disposal records.	Unlikely	Serious	Low
SOC-01	Community and stakeholder engagement	Construction activities affecting neighbours and stakeholders	Inadequate notification, consultation or complaint response	Community distress, unresolved disputes and reputational impacts	Likely	Severe	High	Community Communication Strategy and Complaints Handling Protocol requirements apply throughout the specified period.	Submissions Report Appendix B, REMM S1-S2	CoA A23-A24; C2; REMM S1-S2	1. Provide accurate and accessible information. 2. Notify potentially affected stakeholders of activities and impacts. 3. Maintain enquiry and complaint channels and register. 4. Respond in a timely manner. 5. Monitor and adapt engagement approaches.	Unlikely	Severe	Moderate
SOC-02	Social and workforce	Mobilisation of non-resident workforce	Accommodation pressure and antisocial or cumulative social impacts	Reduced housing availability, pressure on services and community conflict	Possible	Serious	Moderate	Accommodation and Employment Strategy is required and is to consider cumulative impacts and local employment and business opportunities.	Submissions Report Appendix B, REMM S3-S6	CoA B52; REMM S3-S6	1. Implement workforce accommodation and conduct measures. 2. Consult Council and service providers. 3. Monitor accommodation availability. 4. Promote workforce wellbeing and local employment and procurement opportunities.	Unlikely	Serious	Low
REH-01	Rehabilitation	Completion of construction and removal of ancillary facilities	Delayed or ineffective rehabilitation	Unstable, eroding, weed-infested or non-functional land	Possible	Serious	Moderate	Ancillary facility areas are to be rehabilitated within six months unless otherwise agreed and meet Table 2 objectives.	Submissions Report Appendix B, REMM B12, B17, LU9-LU10 and AQ1	CoA B53-B55; REMM B12, B17, LU9-LU10, AQ1	1. Progressively stabilise and rehabilitate temporary disturbance. 2. Remove ancillary facilities unless otherwise agreed. 3. Restore land capability. 4. Facilitate natural regeneration with suitable native species in the SCA. 5. Maintain rehabilitation until objectives are achieved.	Unlikely	Serious	Low
REH-02	Rehabilitation	Access trails and temporary works in Gardens of Stone State Conservation Area	Trails or disturbed areas not restored to required standard	Erosion, habitat degradation and inconsistency with NPWS access strategy	Possible	Severe	Significant	SCA trails and disturbance areas are to meet specified trail, erosion-control and rehabilitation objectives to NPWS satisfaction.	Submissions Report Appendix B, REMM B12, LU4 and W1	CoA B36; B53 Table 2; B54-B55; REMM B12, LU4, W1	1. Consult NPWS. 2. Construct and reinstate trails to applicable standards. 3. Apply erosion controls. 4. Rehabilitate temporary areas to facilitate natural regeneration. 5. Align the access trail network with the Gardens of Stone SCA Vehicle Access Strategy.	Unlikely	Severe	Moderate

Appendix F – Legal Register

Act	Activity / aspect	Requirement	Clause	Applicable?
General				
Protection of the Environment Operations Act 1997	Harming the environment	Do not risk harming the environment by wilfully or negligently: disposing of waste unlawfully causing any substance to leak, spill or otherwise escape (whether or not from a container); or emitting an ozone depleting substance.	S115 S116 S117	Yes
Protection of the Environment Operations Act 1997.	Notification of Pollution incidents	Notify the EPA, NSW Ministry of Health via local Public Health Unit, Safe Work NSW, Local authority and Fire and Rescue NSW immediately of pollution incidents where material harm to the environment is caused or threatened.	S148	Yes
National Parks and Wildlife Act 1974	Undertaking activities within a National Park	All activities on reserved land must be consistent with the objects and purpose of the NPW Act.	S30E	Yes
Forestry Act 2012	Undertaking activities within a State Forest	Ensure all necessary access and property rights to construct, operate and maintain the transmission connection assets in perpetuity.	S34	Yes
Dangerous Goods (Road and Rail Transport) Act 2008	Hazards and risks	Ensure that dangerous goods are transported in a safe manner.	S9	Yes
Pesticides Act 1999	Hazards and risks	Use pesticides in an environmentally sensitive manner. Do not use an unregistered pesticide without a permit. Read the label or permit for the pesticide. Use registered pesticides in accordance with instructions on the label. Do not use any restricted pesticide unless authorised by a certificate of competency or a pesticide control order under the Act. Compliance with pesticide codes of practice is required.	S12 S13 S14 S15 S17	Yes
Environmental Planning and Assessment Act 1979	All	Undertake in accordance with the approved Infrastructure Approval/approval, including all Conditions of Approval (CoA), revised mitigation measures, management plans and requirements of the Environmental Impact Statement (EIS). Implement, monitor and maintain environmental safeguards and mitigation measures identified during the environmental assessment process throughout project delivery. Verify compliance with approval conditions through inspections, monitoring, auditing, incident management, corrective actions and compliance reporting. Assess and manage any modification to the approved scope of works in accordance with the EP&A Act and approval requirements.	Part 5, including s5.2 and approval conditions	Yes
Environment Protection Biodiversity	All	Undertake project activities in accordance with the EPBC Act approval including all approval conditions and commitments.	EPBC Approval and associated conditions	Yes

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Act	Activity / aspect	Requirement	Clause	Applicable?
Conservation Act 1999 *(Commonwealth)*		Monitor, manage and report environmental performance in accordance with EPBC approval requirements, with incidents or non-compliances addressed through corrective actions and notification processes where required.	(where applicable)	
Water				
Water Management Act 2000	Water access and use	Do not take water from a water source (a lake, river or estuary or place where water occurs naturally on or below the surface of the ground and includes coastal waters) without an access licence and allocation. Do not use of water on land (unless supplied by a water utility, irrigation corporation etc. or in accordance with basic landholder rights) without a water use approval. With the exception of controlled activity approvals, the Water Management Act 2000 (WM Act) only applies in relation to those water sources covered by operational water sharing plans – these areas cover most of the State's major regulated river systems.	S56 S60A S60C S89 S 89 S91A	Yes
Protection of the Environment Operations Act 1997	Water pollution	Do not cause water pollution.	S120 S122	Yes
Noise				
Protection of the Environment Operations Act 1997	Plant maintenance and operation	Do not operate plant if it emits noise caused by poor maintenance or operation.	S139	Yes
Protection of the Environment Operations Act 1997	Materials management	Do not cause noise by failing to properly and efficiently deal with materials.	S140	Yes
Contaminated soil				
Protection of the Environment Operations Act 1997	Land pollution	Do not cause or permit land pollution other than under authority of a licence or regulation (However it is not a land pollution offence to place virgin excavated natural material or lawful pesticides and fertilisers on land, or by placing matter on land that has been notified to the EPA as an unlicensed landfill and which is operated in accordance with the regulations.)	S142A – S142E	Yes
Contaminated Land Management Act 1997	Reporting contamination	Notify the EPA if contaminants exceed thresholds contained in guidelines or the regulations where contamination has entered or will foreseeably enter neighbouring land, the atmosphere, groundwater or surface water. Contaminants in soil are equal to or exceed guideline levels with respect to the current or approved use of the land. Contamination meets other criteria that may be prescribed by the regulations.	S60	Yes

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Official

Act	Activity / aspect	Requirement	Clause	Applicable?
Biodiversity				
Biosecurity Act 2015	Weed, pest and disease control.	The duty to prevent, eliminate and minimise biosecurity risks posed by biosecurity matters as defined by the Act.	S22 Schedule 1	Yes
Biosecurity Regulation 2017	Pests and diseases.	Notify the presence any pest or disease listed in Schedule 1 of the Biosecurity Regulation 2014, within 1 working day after suspecting or becoming aware of the pest or disease.	cl. 7, Schedule 1	Yes
Biodiversity *Conservation Act 2016*	Threatened flora and fauna.	Do not harm any animal that is; of a threatened species, that is part of a threatened ecological community or is a protected animal, unless authorised under other legislation (e.g. planning approval). Do not damage habitat of a threatened species or ecological community unless authorised under other legislation (e.g. planning approval). Do not damage declared areas of outstanding biodiversity value unless authorised under other legislation (e.g. planning approval). Do not pick a plant that is; of a threatened species, that is part of a threatened ecological community or is a protected plant, unless authorised under other legislation (e.g. planning approval).	S2.1-2.4 S2.8	Yes
Fisheries Management Act 1994	Mangroves, seagrasses and marine vegetation	Do not harm any mangroves, seagrasses or other marine vegetation on public water land protected by the regulations without a permit.	S205	Yes
Fisheries Management Act 1994	Fish passage	Do not block fish passage without a permit.	S219	No
Waste				
Protection of the Environment Operations Act 1997	Littering	Do not litter in a public place or an open private place. Do not litter from a vehicle. Only deposit advertising material in receptacles provided for mail or newspapers or under the door of the premises. Do not deposit advertising material on or in vehicles.	Part 5.6A	Yes
Protection of the Environment Operations Act 1997	Waste and transportation	Do not undertake a scheduled waste activity unless in accordance with an environment protection licence. Refer also to the Resource Recovery Exemptions. Only transport waste to a facility that can lawfully accept the waste within 150 km from Project. Do not dispose of waste in a manner that harms or is likely to harm the environment.	Part 3.2 Schedule 1 S143 S115	Yes

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Act	Activity / aspect	Requirement	Clause	Applicable?
Protection of the Environment Operations (Waste) Regulation 2014	Waste and transportation	Comply with general requirements for the transport of waste. For example, any vehicle used by the person to transport waste must be kept in a clean condition and be maintained so as to prevent spillage of waste. For some wastes only licensed transporters can be used.	Regulation cl.49	Yes
Protection of the Environment Operations (Waste) Regulation 2014	Waste and transportation	Comply with record keeping requirements in relation to the transport of certain types of waste.	Regulation Part 3	Yes
Heritage				
Heritage Act 1977	Heritage	Do not undertake an activity that will affect a place, building, work, relic, moveable object or precinct which is subject to an Interim Heritage Order or is listed on the State Heritage Register without approval from the Heritage Council.	S56-57	Yes
		Do not disturb or excavate land with knowledge or reasonable cause to suspect that the disturbance or excavation will or is likely to result in a relic being discovered, exposed, moved, damaged or destroyed; or Do not disturb or excavate land on where a relic has been discovered or exposed unless an excavation permit in place.	S139	No
		Notify the Heritage Council on discovery of a relic.	S146	Yes
		Give the Heritage Council at least 14 days' notice before removing or demolishing any item listed in a section 170 register.	S170A	Yes
National Parks and Wildlife Act 1974	Aboriginal places and objects.	Do not harm or desecrate an Aboriginal object or Aboriginal place without consent.	S86 S90	Yes
		Notify the NPWS within reasonable time of becoming aware of the location or discovery of certain Aboriginal objects.	S89A	Yes
Aboriginal and Torres Strait Islander Heritage Protection Act 1984 (Commonwealth).	Protection of areas and objects.	Report any discovery of Aboriginal remains to the Federal Minister for the Environment and Heritage.	S20	Yes
		Comply with the provisions of any declaration in relation to a significant Aboriginal area or object.	S22	Yes

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Appendix G – Environmental Control Map Template

All aspects of the below template will be updated to reflect the site or task specific needs.

ENVIRONMENTAL CONTROL MAP TEMPLATE

Insert Map here and insert objects from legend as required	**Legend** Water Flow Direction Coir Logs / Sandbag Line Donor Area Excavation Area Access Track Heritage Item Threatened species Structure

Environmental Constraints	Environmental Constraints
Threatened Species – Provide commentary	**Noise & Vibration** – Provide commentary
Heritage Items – Provide commentary	**Others:** Provide commentary if required.
Waterways – Provide commentary	**Excavation Area**: xx sqm **Spoil Re-use: Onsite/ Offsite** **Spoil Volume (estimate):** xx sqm
National Park – Provide commentary	**Donor Area:** xx sqm approximately
	Total Disturbed Area: xx sqm

Rev	Details	Date
Rev A		
Rev B		

N

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Appendix H – Hold Point Register

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Hold Point ID	Phase / Aspect	Hold Point	Trigger Activity	Requirement Before Proceeding	Verification / Release Evidence	Release Authority	Source Reference	Responsbility
HP-01	Pre-construction	Environmental Representative approved	Commencement of any work	Environmental Representative approved by the Planning Secretary and engaged by the Proponent.	Planning Secretary approval and engagement record	Planning Secretary	NSW CoA A8-A9	Transgrid
HP-02	Pre-construction	Community Communication Strategy prepared	Commencement of work	Community Communication Strategy prepared before work commences.	Final strategy and ER written statement before implementation	Environmental Representative / Transgrid	NSW CoA A12(d)(ii), A23; CCS Table 2	Zinfra Project Director
HP-03	Pre-construction	Environmental Management Plan approved	Commencement of construction	Environmental Management Plan prepared to the satisfaction of and approved by the Planning Secretary.	Planning Secretary approval letter and approved EMP	Planning Secretary	NSW CoA C1	Zinfra Project Director
HP-04	Pre-construction / staging	Staging Report submitted	Commencement of first proposed stage or lodgement of a staged management plan	ER-endorsed Staging Report submitted within the required timeframe and works aligned with the submitted report.	ER endorsement and submission record	Environmental Representative / Planning Secretary	NSW CoA C4-C6	Transgrid
HP-05	Pre-construction	Final Layout Plans submitted	Commencement of construction	Detailed final layout plans submitted to the NSW Department and Commonwealth Department.	Portal submission records and final plans	Transgrid	NSW CoA C11-C12; EPBC CoA 4	Zinfra Project Director
HP-06	Pre-construction	Noise and Vibration Management Plan approved	Commencement of construction	Noise and Vibration Management Plan prepared to the satisfaction of the Planning Secretary.	Planning Secretary approval letter and approved plan	Planning Secretary	NSW CoA B11	Zinfra Project Director
HP-07	Pre-construction	Soil and Water Management Plan approved	Commencement of construction	Soil and Water Management Plan prepared to the satisfaction of the Planning Secretary.	Planning Secretary approval letter and approved plan	Planning Secretary	NSW CoA B19	Zinfra Project Director
HP-08	Pre-construction	Emergency Plan prepared and implemented	Commencement of construction	Emergency Plan prepared, consulted upon, provided to specified emergency organisations and implemented.	Final plan, consultation evidence, distribution records and ER written statement	Environmental Representative / Transgrid	NSW CoA A12(d)(ii), B46	Zinfra Project Director
HP-09	Pre-construction	Waste Management Plan prepared and implemented	Commencement of construction	Waste Management Plan prepared in consultation with Council and EPA and implemented.	Final plan, consultation evidence and ER written statement	Environmental Representative / Transgrid	NSW CoA A12(d)(ii), B51	Zinfra Project Director
HP-10	Pre-construction	Accommodation and Employment Strategy submitted	Commencement of construction	Strategy prepared, provided to the Planning Secretary and ready for implementation.	Submission record, final strategy and ER written statement	Environmental Representative / Transgrid	NSW CoA A12(d)(ii), B52	Zinfra Project Director
HP-11	Biodiversity	Biodiversity credits retired	Any activity directly or indirectly impacting biodiversity values requiring offset	Required biodiversity credits retired and evidence provided to the Planning Secretary.	Credit retirement evidence and submission record	Planning Secretary / Transgrid	NSW CoA B21-B23; BMP BD3	Transgrid
HP-12	Biodiversity	Biodiversity Management Plan approved	Any development that could impact biodiversity values requiring offsetting	Biodiversity Management Plan prepared to the satisfaction of the Planning Secretary.	Planning Secretary approval letter and approved BMP	Planning Secretary	NSW CoA B24	Zinfra Project Director
HP-13	Biodiversity	Threatened flora and habitat survey completed	Work in or adjoining native vegetation	Survey completed to identify threatened plants and threatened species habitat to be avoided or minimised.	Ecologist survey report and mapped constraints	Qualified ecologist	REMM B03; BMP BD7, BD8	Zinfra Project Director
HP-14	Biodiversity	Clearing limits and exclusion zones established	Vegetation clearing	Clearing and construction boundaries surveyed, demarcated and protected areas signposted as exclusion zones.	Survey/set-out record, georeferenced map and pre-start inspection	Environmental BP	REMM B03; BMP BD7, s5.4, Appendix A (Table A.4)	Zinfra Construction Manager
HP-15	Biodiversity	Unexpected threatened species or community find cleared	Unexpected threatened species or threatened ecological community identified	Work in the associated location stopped; notifications and additional mitigation completed; relevant agencies consulted; Planning Secretary endorsement obtained before recommencement.	Find record, notifications, mitigation assessment and written endorsement to recommence	Planning Secretary	NSW CoA B24(d)(iv); BMP BD13, Appendix C	Zinfra Construction Manager
HP-16	Biodiversity	Large-eared Pied Bat habitat survey completed	Construction near the identified rocky outcrop	Targeted pre-clearing survey completed by a qualified ecologist to confirm presence or absence of active roosts.	Ecologist survey report and clearance record	Qualified ecologist	REMM B07; BMP BD16; CNVMP N49	Zinfra Project Director
HP-17	Historic heritage	Historic Heritage Management Plan approved	Development that could harm historic heritage items	Historic Heritage Management Plan prepared to the satisfaction of the Planning Secretary.	Planning Secretary approval letter and approved HHMP	Planning Secretary	NSW CoA B26	Zinfra Project Director
HP-18	Aboriginal heritage	Aboriginal Cultural Heritage Management Plan approved	Development that could harm Aboriginal heritage items	Aboriginal Cultural Heritage Management Plan prepared to the satisfaction of the Planning Secretary.	Planning Secretary approval letter and approved ACHMP	Planning Secretary	NSW CoA B27	Zinfra Project Director
HP-19	Aboriginal heritage	Required surface salvage completed	Construction affecting sites 45-1-0215 or 45-1-2967	Required recording and surface collection completed in accordance with the approved salvage methodology.	Salvage report, collection records and heritage specialist clearance	Heritage specialist / Environmental BP	NSW CoA Appendix 3 Table 3-2; REMM H3; ACHMP ACH-01, s5.2.1	Zinfra Construction Manager
HP-20	Heritage	Unexpected heritage find cleared	Discovery of a potential Aboriginal object, relic, heritage item or skeletal remains	Work stopped and the applicable Unexpected Finds Procedure completed before disturbance recommences.	Find notification, assessment, regulator correspondence and written clearance	Heritage specialist / relevant regulator / Environmental BP (written authorisation to recommence: Heritage Council of NSW for historic items; Heritage NSW for Aboriginal objects)	NSW CoA B25(e), B26(e), B27(d); HHMP HH-06, s5.2-5.3; ACHMP ACH-09, s5.4-5.5	Zinfra Construction Manager
HP-21	Traffic and transport	Alternative route Transport Strategy approved	Use of the alternative route shown in Figure 4-2	Transport Strategy prepared to the satisfaction of the Planning Secretary.	Planning Secretary approval letter and approved strategy	Planning Secretary	NSW CoA B32	Zinfra Project Director
HP-22	Traffic and transport	Brays Lane passing bay completed	Heavy vehicle use of Brays Lane	Passing bay completed in accordance with the relevant standard, timing requirements and road authority requirements.	Completion record and road authority acceptance	Relevant roads authority	NSW CoA B33; Appendix 4 Table 4-1; TTMP TT-18	Zinfra Construction Manager
HP-23	Traffic and transport	Access Point 6 upgrade completed	Use of Brays Lane Access Point 6	Access point works completed for safe entry and exit by the largest project vehicles.	Completion record and road authority acceptance	Relevant roads authority	NSW CoA B33; Appendix 4 Table 4-1; TTMP TT-18, s4.4	Zinfra Construction Manager
HP-24	Traffic and transport	Brays Lane bridge structural assessment completed	Use of Brays Lane by proposed heavy vehicles or OSOM equipment	Structural integrity of the two bridge culvert crossings assessed and any restrictions or alternative routes resolved.	Structural engineer assessment and Council agreement where applicable	Suitably qualified structural engineer / Lithgow City Council	NSW CoA B35(e); REMM T5	Zinfra Construction Manager
HP-25	Traffic and transport	Traffic and Transport Management Plan approved	Construction or road upgrades, whichever occurs first	Traffic and Transport Management Plan prepared in consultation with specified parties and to the satisfaction of the Planning Secretary.	Planning Secretary approval letter and approved TTMP	Planning Secretary	NSW CoA B35	Zinfra Project Director
HP-26	Utilities / land access	WaterNSW written agreement obtained	Building, structure, roadway, pavement, pipeline, fence or other improvement on or under the Fish River Water Supply Scheme easement	Prior written agreement obtained from WaterNSW.	Executed written agreement	WaterNSW	NSW CoA A15; SWMP s4.2	Transgrid
HP-27	Water	Water licence or approval confirmed	Work intercepting or extracting groundwater or surface water	Applicable water licence or approval obtained, or documented confirmation that an exemption applies.	Licence, approval or exemption assessment	Relevant water regulator / Environmental BP	NSW CoA B13 note; REMM W5; SWMP SW49, Appendix D s1.4	Transgrid
HP-28	Soil and water	Erosion and sediment controls installed	Ground disturbance	Required erosion and sediment controls installed in accordance with the SWMP and applicable ESCP before disturbance.	Pre-disturbance inspection and signed hold-point release	Environmental BP	REMM W1; NSW CoA B14; SWMP s8.2 (Table 21), SW2 SW3	Zinfra Construction Manager
HP-29	Contamination	Acid sulfate soil or rock testing completed	Ground disturbance in areas of potential acid sulfate soil or rock occurrence	Testing completed and, where encountered, management requirements established before disturbance proceeds.	Laboratory results, assessment and management instructions	Environmental BP	REMM SC7; SWMP s8.4.1, Appendix F (ASSMP)	Zinfra Environmental BP
HP-30	Contamination	Unexpected contamination find cleared	Unexpected or suspected contamination encountered	Affected work stopped and Unexpected Contaminants Finds Protocol implemented before recommencement. Suspected asbestos or hazardous building material: area restricted, suitably qualified consultant/licensed asbestos assessor engaged, and recommencement approved by Zinfra and/or Transgrid PM.	Assessment results, classification, management instructions and clearance	Environmental BP / Suitably qualified person (SQP)	REMM SC6; NSW CoA B19(b)(v); SWMP SW38, s8.4.1, Appendix C	Zinfra Environmental BP
HP-31	Hazardous materials	Hazardous materials audit completed	Demolition of a structure or building where material information is unavailable	Hazardous materials audit completed before demolition.	Hazardous materials audit report	Suitably qualified assessor	REMM SC4	Transgrid
HP-32	Noise and vibration	Receiver mitigation measures implemented	Activity predicted to exceed the noise-affected NML or sleep disturbance criteria	Reasonable and feasible mitigation measures implemented before the activity commences, unless otherwise agreed or covered by a qualifying written agreement.	Mitigation verification, receiver agreement where applicable, and Department notification where required	Environmental BP	NSW CoA B7; CNVMP s7.3	Zinfra Construction Manager
HP-33	Noise and vibration	High-risk out-of-hours work approved	High-risk work proposed outside approved construction hours	Planning Secretary approval obtained under the approved Out-of-Hours Work Protocol. Request lodged via the Major Projects Portal at least 20 days before commencement.	Written approval and approved OOHW application	Planning Secretary	NSW CoA B11(h)(iii); CNVMP s6.2, Appendix C (OOHW Protocol s8.3)	Zinfra Construction Manager
HP-34	Commonwealth approval	EPBC final layout submission completed	Commencement of construction	Detailed final layout plans required by NSW CoA C11 submitted to the Commonwealth Department.	Electronic submission record	Transgrid	EPBC CoA 4	Transgrid
HP-35	Biodiversity	Stage 1 Clearing Permit released (non-hollow-bearing vegetation)	Stage 1 clearing of native vegetation in each clearing block	Clearing Permit issued for the work area confirming all pre-clearing requirements are complete: pre-clearance inspection by a suitably qualified ecologist no more than 48 hours before clearing; Pre-clearing Checklist (Table A.4) completed; clearing limits, partial-clearance and exclusion zones surveyed and demarcated; habitat trees marked; fauna relocation sites designated; wildlife carers/vet contacted at least 7 days prior; and Section 5.4 controls in place.	Signed Clearing Permit; completed Pre-clearing Checklist (Table A.4); pre-clearance inspection record; surveyor set-out records; Clearing Permit register	Project Ecologist and Environmental BP	BMP BD7, BD9, s6.3.2.1, Appendix A (A1.4.1, Table A.4); NSW CoA B20, B24(d)(i)-(iii); EPBC CoA 1, 2	Zinfra Construction Manager
HP-36	Biodiversity	Stage 2 Clearing Permit released (hollow-bearing trees)	Removal of hollow-bearing trees	Pre-clearing Hollow-Bearing Tree Assessment (Appendix D) completed; hollow inspections and fauna exclusion measures (where required) completed; Project Ecologist confirms trees are suitable for removal. Each subsequent hollow-bearing tree is felled only once the Project Ecologist approves.	Signed Stage 2 Clearing Permit; Pre-clearing Hollow-Bearing Tree Assessment; hollow inspection and exclusion records; ecologist approval records	Project Ecologist and Environmental BP	BMP BD9, s6.3.2.1, Appendix A (A1.4, A1.4.2), Appendix D	Zinfra Construction Manager

HP-37	Biodiversity	Clearing allowance reviewed before next clearing block released	Release of each subsequent clearing block	Clearing Register updated and reviewed against the remaining approved clearing allowance (Tables 4-1 to 4-3) and Table A.3 completed for the block, unless limits are otherwise agreed with the Planning Secretary.	Clearing Register; Table A.3 record; pre-release allowance review record	Project Ecologist / Environmental BP	BMP BD6, BD11, Appendix A (Table A.3); NSW CoA B20(a)	Zinfra Construction Manager
HP-38	Biodiversity	Breeding-season hollow-bearing tree clearing justified to CPHR	Unavoidable clearing of hollow-bearing trees during periods of elevated breeding or roosting risk (notably spring)	Project Ecologist prepares a written, site-specific assessment justifying the clearing (including threatened hollow-dependent species that may breed, roost or enter torpor outside spring) and provides it to CPHR before clearing commences.	Written site-specific assessment; CPHR submission record	Project Ecologist (assessment provided to CPHR)	BMP Appendix A (Vegetation Clearing Procedure)	Zinfra Environmental BP
HP-39	Biodiversity	Threatened species or active breeding hollow cleared for removal	Threatened species or active breeding hollow identified during pre-clearing surveys or clearing	Clearing ceases within the stop-work zone set by the Project Ecologist and CPHR is notified. The tree remains undisturbed until breeding has concluded and young have fledged or dispersed, unless an alternative approach is agreed with CPHR and all required approvals and licences are obtained.	CPHR notification; ecologist records; agreed management approach; approvals/licences where required	Project Ecologist / CPHR	BMP s5.4.7, Appendix A, Appendix C	Zinfra Construction Manager
HP-40	Biodiversity	Previously unidentified biodiversity value or impact assessed	Detailed design, pre-clearing surveys, construction or monitoring identifies a biodiversity value or impact pathway not previously identified	Work in the affected area does not commence, or ceases, until the Project Ecologist (in consultation with the Environmental BP) has assessed the impact and the required avoidance, mitigation, consultation and approval requirements are identified.	Ecologist impact review record; assessment and mitigation determination; consultation/approval records where required	Project Ecologist / Environmental BP	BMP BD4; NSW CoA B24(d)(ii)-(iii)	Zinfra Construction Manager
HP-41	Biodiversity	Squirrel Glider connectivity pathway field-validated	Clearing affecting an identified Squirrel Glider connectivity pathway	Pathway and applicable connectivity measures field-validated by the Project Ecologist and incorporated into the clearing mapping, EWMS and Clearing Permit.	Field validation and glide assessment records; updated clearing mapping, EWMS and Clearing Permit	Project Ecologist	BMP BD28, Appendix B; NSW CoA B24(d)(v), (vii); REMM B15, B16	Zinfra Construction Manager
HP-42	Biodiversity	Large-eared Pied Bat exclusion zone established	Construction near the rock outcrop / rocky overhang	Minimum 10 m biodiversity exclusion zone established around the rock outcrop without restricting microbat access. Where piling within 80 m cannot avoid November-January, overhang surveys are completed before works commence and weekly thereafter.	Exclusion fencing photographs; ecologist sign-off that bat access is not restricted; overhang survey records	Project Ecologist / Environmental BP	BMP BD17, BD18; CNVMP s6.5.3, N49; NSW CoA B24(d)(xi); REMM B07	Zinfra Construction Manager
HP-43	Biodiversity / Water	Riparian buffers delineated	Works in proximity to waterways or riparian areas	Riparian buffers identified by the Project Ecologist, pegged and physically marked on site, shown on site/sensitive area plans and clearing diagrams, with temporary fencing and signage installed where required.	Buffer delineation record; sensitive area plans/environmental control maps; photographs; inspection records	Project Ecologist / Environmental BP	BMP BD23, s5.9.1.1; SWMP SW24; NSW CoA B17; REMM B04	Zinfra Construction Manager
HP-44	Biodiversity / Water	DPIRD consulted on aquatic biota before waterway dewatering or discharge	Any dewatering of the Coxs River oxbow for culvert construction, or discharge of surface water to or from waterways	DPIRD consulted on management of aquatic biota and any resulting requirements incorporated into the relevant EWMS and water management documentation before dewatering or discharge. (SWMP notes oxbow dewatering is not currently required.)	DPIRD consultation records; updated EWMS; dewatering records	DPIRD / Environmental BP	BMP BD25, BD37, s5.9.5; SWMP s4.2, Appendix D; REMM B20	Zinfra Project Engagement Lead
HP-45	Biosecurity	Plant and vehicle hygiene verified	Vehicles and machinery entering site, moving between landholdings or re-entering from off-site	Plant arrives clean with a completed Hygiene Inspection Form from the supplier, verified on arrival and inspected at the compound before work. Non-compliant plant is washed down or removed and re-inspected before use.	Completed Hygiene Inspection Forms; wash-down records; non-compliant plant rejection records	Environmental BP	BMP BD20; TTMP TT-09; NSW CoA B24(d)(iii), (ix); REMM B13	Zinfra Construction Manager
HP-46	Biodiversity	Collision-mitigation locations confirmed before stringing	Commencement of stringing in a span	Stringing in affected spans is suspended until high-risk location mapping and line-marking device specifications are confirmed under the Conductor Line-Marking Plan.	Conductor Line-Marking Plan; high-risk span mapping; device specifications	Project Manager (with Design Manager and Project Ecologist input)	BMP s5.6.7, Table 5-1	Zinfra Construction Manager
HP-47	Water	Dewatering Permit approved	Each dewatering activity (tower foundation excavations, trenches, conduits, sumps, pits, boreholes)	Dewatering Permit completed identifying location, estimated volume, water quality results, reuse/discharge method and controls, and approved and signed before any dewatering commences.	Approved Dewatering Permit; water quality results; dewatering inspection records	Zinfra Site Supervisor and Environmental BP	SWMP SW41, Appendix D s1.4; REMM W5	Zinfra Construction Manager
HP-48	Water	Water released for reuse or discharge	Each reuse or discharge event	Water visually inspected and tested against the approved Dewatering Management Procedure criteria before reuse or discharge. Contaminated groundwater is not released and is disposed of at a lawful facility.	Field and laboratory results; discharge/reuse approval records; dewatering logs	Supervisor / Environmental BP	SWMP SW43, SW44, Appendix D; NSW CoA B15; REMM W5, SC1	Zinfra Construction Manager
HP-49	Contamination	Surface soil contamination status assessed (compounds and AECs)	Excavation or earthworks within construction compounds or applicable Areas of Environmental Concern	Contamination status of surface soils assessed before disturbance and AEC-specific requirements applied (Appendix E). Works at towers 2C, 4C, 5C, 6C, 7C, 8C, 9D, 11D and 12D undertaken in accordance with the site-specific ASSMP.	Contamination assessment reports; AEC delineation records; environmental control maps	Environmental BP	SWMP SW36, SW54, s8.4.1, Appendix E; REMM SC1, SC2	Zinfra Environmental BP
HP-50	Contamination / Waste	Imported material verified	Import and placement of fill, ENM, VENM or other materials	Material verified as legally sourced, suitable for its intended use and compliant with applicable Resource Recovery Orders/Exemptions before placement. No waste generated outside the Project is received except as permitted.	VENM/ENM certificates; Resource Recovery Order/Exemption records; validation documentation; delivery dockets	Environmental BP	SWMP SW37; WMP s7.8, WMP8; NSW CoA B48; REMM SC2	Zinfra Environmental BP
HP-51	Soil and water	Work areas re-inspected after flood or severe weather	Recommencement after a flood or severe weather event, or after rain during a rest and recuperation break	Works do not commence or continue in areas at risk of flooding. Affected work areas, access tracks, drainage structures and erosion and sediment controls are inspected and damage rectified before work recommences.	Inspection records; photographs of damage and repairs; corrective action register	Environmental BP	SWMP SW26, s8.2, s8.7.6, s8.7.8; REMM W2	Zinfra Construction Manager
HP-52	Regulatory	Environment Protection Licence requirement confirmed	Project activities approaching POEO Act Schedule 1 thresholds	Project activities reviewed monthly against Schedule 1 of the POEO Act and an EPL obtained before any threshold is exceeded.	Monthly POEO Schedule 1 review record; EPL (if required)	NSW EPA / Environmental BP	SWMP s5.2, Table 2	Zinfra Environmental BP
HP-53	Waste	Waste classified before off-site removal	Off-site transport of waste for disposal, reuse or supply	Waste classified under the NSW EPA Waste Classification Guidelines, with sampling and NATA-accredited analysis where required. Material is not transported until testing is complete and the management pathway is confirmed.	Waste classification records; sampling and laboratory results; Waste Register	Environmental BP	WMP WMP2, s7.2, s7.3; SWMP SW39; NSW CoA B50, B51(e)	Zinfra Environmental BP
HP-54	Waste	Receiving facility and waste contractor approved	Off-site transport of waste	Receiving facility confirmed as lawfully permitted to accept the waste classification, contractor licences verified, and documentation reviewed and approved before transport.	Facility and licence checks; contractor approval records; disposal dockets; Waste Register	Environmental BP	WMP WMP5, s7.6; SWMP SW40; NSW CoA B49, B50, B51(g)	Zinfra Environmental BP
HP-55	Waste	Section 143 Notice obtained	Transport of waste to an unlicensed location outside Project lands	Section 143 Notice obtained, receiving location verified as able to lawfully accept the material, and delivery arrangements confirmed with the landholder before transport.	Completed Section 143 Notice; landholder/planning documentation	Environmental BP	WMP WMP7, s7.7; NSW CoA B49	Zinfra Environmental BP
HP-56	Heritage	Heritage GIS and sites database checked	Issue of any on-site approval for ground disturbance works	Historic heritage GIS and Aboriginal sites database checked by the Environmental BP, and the check recorded and signed, before the approval is issued.	Ground disturbance permit/approval showing signed GIS and database check	Environmental BP	HHMP HH-10, s6.1.1; ACHMP ACH-15, s6.2.1	Zinfra Environmental BP
HP-57	Historic heritage	Baseline condition assessment and No Go Zones in place	Commencement of construction	Baseline condition assessment of the Table 5-1 heritage items completed with photographic record by a suitably qualified heritage specialist, physical exclusion zones/signage installed, and No Go Zones for St John the Evangelist Church and Old Wallerawang School House marked on construction documents and GIS.	Baseline Condition Assessment reports; photographs; construction document set; GIS extract	Suitably qualified heritage specialist / Environmental BP	HHMP HH-04, HH-07, s5.1.2, s5.1.3, s5.4.1; NSW CoA B26(f)	Zinfra Project Manager
HP-58	Historic heritage / Vibration	Wallerawang Rail Bridges vibration monitoring protocol established (TARP Level 2)	Construction activities within the CNVMP minimum working distances of the Wallerawang Rail Bridges	Heritage specialist and structural/vibration engineer engaged; site-specific vibration monitoring protocol established (DIN 4150-3, 3 mm/s); CNVIS prepared; written engineering and heritage advice obtained before works commence; monitoring for the duration of works.	Vibration monitoring protocol; written engineering and heritage specialist advice; approved CNVIS; monitoring results	Zinfra Project Manager (on written engineering and heritage specialist advice)	HHMP HH-03, s5.1.1.2 (Table 5-2); CNVMP s6.5.2, s7.3; NSW CoA B26(d)(ii)	Zinfra Project Manager
HP-59	Historic heritage / Vibration	Vibration exceedance cleared (TARP Level 3)	Vibration within the defined buffer (e.g. 90%) of the maximum acceptable level, an exceedance, or visible structural movement	Works within the minimum working distances pause/cease; vibration specialist or structural engineer assesses impact and heritage specialist sets rectification; monitoring plan and TARP reviewed; written advice obtained before works recommence; incident managed under HHMP s6.1.2.1.	Engineer assessment; heritage specialist rectification advice; updated monitoring protocol; incident records	Zinfra Project Manager (on written engineering and heritage specialist advice)	HHMP HH-03, s6.1.2.1; CNVMP s6.5.2, N22	Zinfra Project Manager
HP-60	Aboriginal heritage	Aboriginal heritage exclusion fencing and signage installed	Commencement of construction near sites 45-1-2800, 45-1-0237 and the PADs (45-1-0215, WPS PAD 2, 45-1-2994)	Fenced No Go Zones and buffers installed under archaeologist supervision, signage installed, sites marked on construction documents and GIS, and baseline condition recorded with RAP representatives. Temporary non-ground-disturbing fencing installed at WPS PAD 2 where ground disturbance is anticipated within 20 m.	Photographs; sign installation records; baseline condition record; RAP attendance records	Archaeologist / Environmental BP	ACHMP ACH-02 to ACH-06, ACH-08, s5.2.2, s5.2.3, s5.3.2; NSW CoA B27; REMM H2	Zinfra Environmental BP
HP-61	Noise and vibration	Construction Noise and Vibration Impact Statement approved	Works at construction compounds, areas of specific sensitivity (e.g. Wallerawang Rail Bridges), major changes in construction method, and OOHW	CNVIS prepared by the Environmental BP and approved by the Construction Manager, with mitigation, notification and monitoring requirements identified, and available before the relevant works commence.	Approved CNVIS; CNVIS register; notification records	Zinfra Construction Manager	CNVMP s7.3, s7.6.2 (Table 26, C3-C7), s9	Zinfra Environmental BP
HP-62	Noise and vibration	OOHW Permit approved (Category 1-3)	Any work outside standard construction hours, including Sundays and public holidays	Work assessed via CNVIS and approved through the OOHW Permit process: Category 1 and 2 by the Environmental BP; Category 3 by the ER (Category 4 - see HP-33). No Sunday or public holiday work proceeds without an approved permit.	Approved OOHW Permit; ER approval (Category 3); CNVIS; notification records	Environmental BP (Cat 1-2) / Environmental Representative (Cat 3)	CNVMP s6.2, Appendix C (OOHW Protocol s6, Table 5); NSW CoA B1(c), B2, B11(h)(ii)	Zinfra Construction Manager
HP-63	Noise and vibration	Pre-construction condition surveys completed	Construction works within the recommended safe working distances of vibration-sensitive receivers	Pre-construction condition surveys of vibration-sensitive receivers completed before works.	Pre-construction condition survey reports	Zinfra Project Manager	CNVMP N17, s6.8; REMM NV6	Zinfra Project Manager
HP-64	Noise and vibration	Revised CNVIS/OOHW Permit approved after monitoring exceedance	Monitoring shows works do not align with the CNVIS/OOHW Permit, or additional measures fail to achieve compliance	Non-aligned or non-compliant works cease; revised CNVIS and/or OOHW Permit prepared and approved before works recommence.	Monitoring report; revised CNVIS/OOHW Permit; non-compliance record	Zinfra Construction Manager / relevant OOHW approver	CNVMP s8.1.1; NSW CoA B11(e)	Zinfra Environmental BP
HP-65	Design	Environmental design review completed	Issue of each design package for construction, and any later design change affecting noise or vibration requirements	Environmental BP confirms noise and vibration requirements are met, or the reason is documented. Decisions on qualified requirements are approved by the Project Manager and provided to Transgrid.	Environmental design review records (BlueBin/TeamBinder); IFC documents; options assessments	Environmental BP	CNVMP s7.6.1, Table 26 (D5-D7)	Zinfra Design Lead
HP-66	Traffic and transport	Vehicle Movement Plan in place	Commencement of construction at each work site	Vehicle Movement Plan prepared and communicated, covering travel paths, haul routes, no-go areas (ecological/archaeological), speed limits, radio channel and Karawatha Drive timing.	Current VMP with revision status; communication records to site personnel	Zinfra Construction Manager	TTMP TT-04, s6.2.1; NSW CoA B35(f)(i)26; REMM T1(i)	Zinfra Construction Manager

HP-67	Traffic and transport	Pre-use road dilapidation survey completed	Use of a local or regional road by development-related heavy vehicles	Independent dilapidation survey of the relevant road completed, unless otherwise agreed by the relevant roads authority.	Independent pre-use dilapidation survey report	Independent surveyor / Zinfra Construction Manager	TTMP TT-27, s6.4.4; NSW CoA B34; REMM T3	Zinfra Construction Manager
HP-68	Traffic and transport	Road occupancy and road authority approvals obtained	Work zones and closures on Brays Lane and Main Street, stringing over roads, and repair roadworks	Road Occupancy Licence obtained under s138 of the Roads Act 1993 (via OPLINC), Lithgow City Council consent under s139, and Traffic Guidance Schemes prepared.	ROLs; Council consent; TGS	TfNSW / Lithgow City Council	TTMP TT-10, TT-33, TT-36, s6.3, s6.6.1, s6.6.4; REMM T1(c), T1(j)(v)	Zinfra Construction Manager
HP-69	Traffic and transport	Emergency services notified of lane closures	Implementation of any lane closure	Emergency services (NSW Police, Ambulance, SES, Fire and Rescue NSW, RFS) notified at least 5 days before. Advance details of Brays Lane and Main Street closures provided before construction commences.	Emergency services correspondence	Zinfra Project Manager / Project Engagement Lead	TTMP TT-30, s6.5; NSW CoA B35(f)(i)25	Zinfra Project Engagement Lead
HP-70	Traffic and transport	OSOM permits and OSOM Transport Management Plan in place	OSOM movements on roads not approved for OSOM use	NHVR permits, OSOM Transport Management Plan, ROLs and Temporary Traffic Management Plan with TGS in place. Main Street bridge limited to 16 t per axle; no OSOM on Brays Lane; maximum two OSOM vehicles per day.	NHVR permits; OSOM Transport Management Plan; Temporary TMP and TGS; structural assessment report	NHVR / TfNSW	TTMP TT-34, s4.3.3, s5.1.3, s6.6.2; NSW CoA B28; REMM T1(c), T5	Zinfra Construction Manager
HP-71	Traffic and transport	Rail possession confirmed	Stringing over the Main Western Rail Line	Rail possession forms completed with UGL Regional Linx and stringing scheduled within a planned rail shutdown coordinated with rail operators.	Completed rail possession forms; possession confirmation	UGL Regional Linx	TTMP TT-35, s5.6, s6.6.3; NSW CoA B35(f)(i)15; REMM T1(e)	Zinfra Construction Manager
HP-72	Traffic and transport	Site Access 1 sight distance rectified	Use of Site Access 1 (Boulder Road / Mount Piper Power Station access road)	Vegetation trimming on the east approach completed under an Energy Australia access agreement or approval. Site Access 1A not used.	Pre- and post-trimming sight distance photographs; Energy Australia agreement/approval	Energy Australia / Zinfra Construction Manager	TTMP TT-17, s5.1.1, s6.6.4; REMM T4(b)(ii)	Zinfra Construction Manager
HP-73	Traffic and transport / Heritage	Northern Coxs River bridge structural viability confirmed	Use of the non-heritage-listed bridge north of the Wallerawang Rail Bridges by Project vehicles	Structural viability assessed by a structural engineer before use. Heavy vehicles (including OSOM) prohibited beneath the Wallerawang Rail Bridges.	Structural engineer report; induction content; photographs	Suitably qualified structural engineer	TTMP TT-47, s5.1.4; HHMP HH-02; NSW CoA B35(f)(v); REMM HH2	Zinfra Construction Manager
HP-74	Traffic and transport	TTMP update approved before shuttle bus use	Introduction of any workforce shuttle bus	TTMP updated (pick-up/drop-off points, parking, timing, frequency and route) in consultation with TfNSW, Lithgow City Council and NPWS, and approved by the Planning Secretary.	Updated approved TTMP; consultation records	Planning Secretary	TTMP TT-46; NSW CoA B35(f)(i)18-19, B35(f)(iii); REMM T1(k)	Zinfra Project Director
HP-75	Utilities / land access	Springvale internal road requirements confirmed	Use of internal roads within Centennial Coal's Springvale site	Requirements for use of internal roads confirmed through consultation with Centennial Coal.	Consultation/meeting records; confirmed access arrangements	Centennial Coal	TTMP TT-38, s6.7.1; CCS Table 1; NSW CoA B35(f)(i)3; REMM LU3	Zinfra Project Engagement Lead
HP-76	Community	Community notification issued	Works with the potential to disrupt adjoining landowners, receivers or the community	Fact sheets and/or letterbox drops issued at least 7 days before the work.	Notification records; distribution lists	Zinfra Project Engagement Lead	CCS s9 (Table 7); REMM S1	Zinfra Project Engagement Lead
HP-77	Utilities / land access	Landowner access requirements met	Entry onto private property, or changes to planned construction activities on a property	Property Management Plan or other agreement in place, Transgrid Land Access Requirements met, and advance notification given to the landowner.	PMP/landowner agreement; notification records; land access records	Transgrid	CCS s7.4.2, Table 1; REMM LU1	Zinfra Project Engagement Lead
HP-78	Utilities / land access	Crown land licences or consents obtained	Temporary or permanent use of Crown land	Required licences/consents obtained under the Crown Land Management Act 2016 in consultation with DPHI - Crown Lands.	Crown land licence/consent	DPHI - Crown Lands	CCS Table 1; REMM LU5	Transgrid
HP-79	Community	Community collateral approved by Transgrid	Distribution of contractor collateral and landholder communications	Collateral and landholder communications reviewed and approved by Transgrid before use.	Transgrid approval record	Transgrid	CCS s7.4.2	Zinfra Project Engagement Lead

Appendix I – Environmental Monitoring Program

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Reporting ID	Report	Requirement	Source	Timing	Responsibility	Recipient
1	Monthly environmental report	For incorporation in Project Monthly Reports including (but not limited to) environmental statistics (i.e. incidents, regulatory action, complaints on environmental issues, Waste Register), regulatory and authority considerations, monitoring program performance, environmental training undertaken, out-of-hours works approved and undertaken and key environmental issues; also waste quantities and landfill diversion rates, groundwater interception log and traffic monitoring summary.	WMP s8.6; SWMP Table 31; TTMP s6.4.1	3rd Business Day of each month	Environmental BP	Transgrid
2	Monitoring results	Report on monitoring data recorded and potential exceedances against criteria in accordance with Monitoring Plans in CEMP sub-plans. Includes Noise and/or Vibration Monitoring Reports and formal biodiversity monitoring reports.	CNVMP s8.1.1; BMP s6.3.2	As required	Environmental BP	Transgrid
3	Independent audit	Report on the findings of Independent Audits. Proponent must review and respond to each Independent Audit Report.	CoA C14; SWMP s8.6.2, Table 30	Within two months of undertaking the independent audit. At intervals no greater than 26 weeks from the date of the initial Independent Audit or as otherwise agreed by the Secretary. Initial audit within 4 to 12 weeks of commencement of construction.	Independent auditor, Project Manager (Zinfra)	Transgrid, Planning Secretary
4	Incident notification	Any incidents that occur must be notified to the Planning Secretary via the Major Projects portal, and to NPWS.	CoA C16	Immediately after becoming aware of the incident; no later than 24 hours (CoA C16)	Project Manager (Zinfra)	Planning Secretary, Transgrid, NPWS; Heritage Council of NSW where there is actual or potential damage to a heritage structure
5	Non- compliance notification	Any non-compliances that occur must be notified to the Planning Secretary via the Major Projects portal. Not required where already notified as an incident.	CoA C15	Within seven days of becoming aware of the non-compliance	Project Manager (Zinfra)	Planning Secretary, Transgrid
6	Incident Report	Any incidents that occur must be followed up with a subsequent incident report after notification to the Planning Secretary via the Major Projects portal.	CoA C17	A written incident report must be submitted within seven days of making the incident notification. (or as otherwise agreed by the Planning Secretary)	Project Manager (Zinfra)	Planning Secretary, Transgrid, NPWS
7	Incident notification	Incident (as defined by the EPBC Approval Notice) that occur must be notified. Specify any condition or plan commitment not complied with, a short description, and location (with coordinates), date and time.	EPBC Condition 21	Within 2 business days of becoming aware of the incident	Project Manager (Zinfra)	National Environmental Protection Agency, Transgrid
8	Incident Report	Any incidents that occur must be followed up with a subsequent incident report after notification. Specify corrective measures and investigations, potential impacts, proposed corrective measures and any plan or condition variation needed.	EPBC Condition 22	Within 12 business days of becoming aware of the incident	Project Manager (Zinfra)	National Environmental Protection Agency, Transgrid
9	EPBC Annual Compliance Report	Prepare a compliance report for each ACR period covering compliance with NSW and EPBC conditions and plan commitments, plans in effect, implementation and incidents. Publish with a shapefile of clearing of protected matters, with sensitive data redacted.	EPBC Conditions 14-17; BMP s6.3.2.8	Publish within 20 business days of the end of each ACR period	Transgrid (approval holder); Environmental BP and Project Ecologist to supply content	National Environmental Protection Agency (published on Project website)
10	EPBC publication notification	Notify the department that the compliance report and shapefile have been published, with the web address.	EPBC Condition 19	Within 5 business days of publication	Transgrid	National Environmental Protection Agency
11	EPBC unredacted report and shapefile	Where sensitive biodiversity data is redacted, submit the full compliance report and/or shapefile and advise what was redacted.	EPBC Condition 18	Within 5 business days of publication	Transgrid	National Environmental Protection Agency
12	EPBC monitoring and spatial data	Submit monitoring data, surveys, maps, spatial data, metadata and species occurrence records.	EPBC Condition 13; BMP s6.3.2.8	Within 20 business days of each anniversary of the approval decision	Transgrid; Project Ecologist	National Environmental Protection Agency
13	EPBC commencement notification	Notify the date of commencement of the Action.	EPBC Condition 7	Within 5 business days of commencement	Transgrid	National Environmental Protection Agency
14	EPBC change notification	Notify any proposed change to the NSW Approval that may relate to protected matters, and any change to NSW conditions with a marked-up copy.	EPBC Conditions 5 and 6	Proposed change: within 5 business days of formally proposing it (and within 10 business days of becoming aware). Changed conditions: within 5 business days of taking effect	Transgrid	National Environmental Protection Agency
15	EPBC compliance records on request	Provide electronic copies of compliance records.	EPBC Condition 10	Within the timeframe specified in the written request	Transgrid	National Environmental Protection Agency

16	Post-clearing Report	Document final area cleared, threatened flora and hollow-bearing trees removed, fauna handled, and inventory of salvaged hollows and timber.	BMP BD12, s6.3.2; CoA B24(e)	Following completion of clearing operations	Project Ecologist	Project Manager (Zinfra), Transgrid; relevant agencies where required
17	Pre-clearing Survey Report	Document survey findings, avoidance measures, management response and any consultation or approvals needed where threatened species, active breeding habitat or another significant constraint is found.	BMP s6.3.2.1	Before clearing commences in the affected block	Project Ecologist	Environmental BP, Transgrid; relevant agencies where required
18	Breeding-season clearing assessment	Written site-specific assessment justifying unavoidable clearing of hollow-bearing trees during elevated breeding or roosting risk.	BMP Appendix A	Before the proposed clearing commences	Project Ecologist	CPHR
19	Threatened species / active breeding hollow notification	Notify where a threatened species or active breeding hollow is identified during pre-clearing or clearing.	BMP s5.4.7, Appendix A	Upon identification; clearing deferred until a management approach is agreed	Environmental BP / Project Ecologist	CPHR
20	Unexpected species finds notification	Notify in writing of additional mitigation measures for an unexpected threatened species or TEC find, consult relevant agencies and obtain endorsement before recommencing.	BMP BD13, s6.6; CoA B24(d)(iv)	Following the find, before work recommences at the location	Transgrid / Environmental BP	Planning Secretary, CPHR; NPWS if in Gardens of Stone SCA
21	Replacement-hollow installation and monitoring reports	Report installed assets, condition, occupancy, breeding, pests and adaptive management actions.	BMP s6.3.2.5, Appendix D	Following installation and each monitoring event (six-monthly Years 0-2, annually Years 3-10)	Project Ecologist; Environmental BP	Transgrid (for publication on Project website); CPHR / NPWS (BD27)
22	Habitat connectivity reports	Report installed connectivity measures, condition, species use, crossings and effectiveness against objectives.	BMP s6.3.2.6, Appendix B	Annual monitoring reports; effectiveness assessment three years after installation of the last structure	Project Ecologist	Transgrid (for publication); CPHR / NPWS (final connectivity design, BD28)
23	Rehabilitation monitoring reports	Report rehabilitation performance against objectives and criteria.	BMP Table 6-3, s6.2.3	Quarterly for first two years post-rehabilitation, then Years 5, 10 and 15	Project Ecologist; Environmental BP	Transgrid (for publication on Project website)
24	Weed and pest monitoring reports	Report weed and pest monitoring results, including post-construction comparison against baseline.	BMP s6.3.2, Appendix E	Quarterly during construction; post-construction assessment report on completion	Environmental BP; Project Ecologist	Transgrid
25	Fauna collision investigation report	Investigate and report fauna collisions with transmission infrastructure involving threatened species, repeated events or potential failure of a management measure.	BMP s6.3.2.7	Following the collision event	Project Ecologist	Transgrid; relevant agencies where required
26	Fauna relocation records	Provide records of fauna relocated	BMP BD14	As relocations occur	Project Ecologist	NPWS
27	Unexpected contamination finds	Report unexpected contamination finds in accordance with Transgrid procedure.	SWMP Table 31, Appendix C	As required	Environmental BP	Transgrid; Environmental Representative and relevant agencies where required
28	Duty to report contamination	Notify contamination meeting the triggers of s60 of the CLM Act 1997.	SWMP Table 31, s8.4.1	As soon as practicable once triggered	Transgrid (with Environmental BP)	NSW EPA
29	Groundwater interception log	Monthly log of groundwater intercepted under the 3 ML/year exemption.	SWMP Table 31, SW47	Monthly; extraction recorded within 24 hours	Environmental BP	Transgrid
30	Annual groundwater take report	Annual groundwater take records under the Water Management (General) Regulation exemption.	SWMP Table 29, SW47; CoA B13, B19(c)	Annually at the prescribed time	Environmental BP (through Transgrid)	DCCEEW (Water)
31	Waste reporting	Waste data, quantities by stream and diversion rates consolidated into the monthly project report.	WMP s8.6	Monthly	Environmental BP	Transgrid
32	Noise and vibration monitoring reports	Record location, activity, plant, criteria, predicted and measured levels, exceedances and corrective actions.	CNVMP s8.1.1	Following each monitoring event	Environmental BP	Transgrid; available to ER, DPHI and auditors
33	Noise and vibration complaint notification	Notify Council of noise or vibration complaints received and provide close-out feedback once resolved.	CNVMP s8.3	On receipt of complaint; feedback on resolution	Environmental BP / Project Engagement Lead	Lithgow City Council
34	OOHW compliance reports	Confirm compliance with approved OOHW permits through site inspections.	CNVMP s7.4	During and following OOHW	Environmental BP	Transgrid
35	Unexpected historic heritage find notification	Notify the find with details of the item and location.	HHMP s5.2, HH-06; CoA B26(e)	As soon as practical after the specialist assessment	Transgrid Project Manager or delegate	Heritage Council of NSW, DPHI Compliance; NPWS if in Gardens of Stone SCA
36	Unexpected Aboriginal object find notification	Notify the find, and register new objects or sites in AHIMS.	ACHMP s5.4, ACH-09; CoA B25(e), B27(d)	As soon as practical after the find	Transgrid Project Manager or delegate; archaeologist	Heritage NSW, DPHI Compliance; NPWS if in SCA; RAPs
37	Human skeletal remains notification	Follow the skeletal remains protocol.	HHMP Figure 5-3; ACHMP Figure 5-5	Immediately on discovery	Zinfra Project Manager / Transgrid	NSW Police / Coroner; Heritage NSW where Aboriginal
38	ASIRF submission	Aboriginal Site Impact Recording Forms detailing the salvage process at each salvaged site.	ACHMP ACH-01, s5.2.1	Within four months of salvage	Archaeologist	AHIMS (Heritage NSW)
39	Salvage report	Report the results of salvage, including the permanent keeping place.	ACHMP ACH-16, s6.1.1	Within 12 months of any salvage activity	Archaeologist	Transgrid; RAPs

40	Aboriginal site condition monitoring report	Report baseline, six-monthly and additional site condition monitoring.	ACHMP ACH-08, s5.3.2	Within 10 business days of each monitoring event	Archaeologist	Transgrid / Zinfra; RAPs
41	Historic heritage condition assessment reports	Baseline, six-monthly, ad hoc and post-construction condition assessment reports.	HHMP HH-07, HH-09, s5.4	Before construction; six-monthly; when damage is suspected; after construction	Suitably qualified heritage specialist	Zinfra; Transgrid (kept on file)
42	Heritage performance measure failure report	Report options for remediation where a heritage performance measure fails, and implement as directed.	HHMP HH-11; ACHMP ACH-17; CoA A1	At the earliest opportunity after a failure	Zinfra Project Manager; Transgrid	Planning Secretary (DPHI)
43	RAP annual update	Project update and consultation with Registered Aboriginal Parties.	ACHMP ACH-12, s3.3.1	Annually	Zinfra Project Engagement Lead	RAPs
44	Traffic monitoring summary	Summarise traffic monitoring program results (vehicle numbers, routes, checklists, audits).	TTMP s6.4.1	Monthly site report (programs administered weekly)	Construction Manager or delegate	Transgrid
45	Road dilapidation survey reports	Independent survey reports and rectification of damage.	TTMP TT-27; CoA B34	Before use, annually and within 1 month of completion; rectification within 7 days where safety-critical, otherwise within two months	Construction Manager; independent surveyor	Relevant roads authority (Lithgow City Council / TfNSW), Transgrid
46	Emergency services lane closure notification	Notify emergency services of lane closures.	TTMP TT-30	At least five days before implementing any lane closure	Project Manager; Project Engagement Lead	NSW Police, Ambulance, SES, Fire and Rescue NSW, RFS
47	Plan revision	Revise environmental management documents following approval modification, phase change, risk review, audit or incident findings, or a Planning Secretary direction.	CoA C3; TTMP TT-49; SWMP s10	Submit within three months unless otherwise agreed	Zinfra; Transgrid	Planning Secretary
48	Community, landowner and stakeholder report	Overview of engagement, enquiries and complaints with response times, corrective actions, meetings and notifications issued.	CCS s12.2	Monthly	Zinfra Project Engagement Lead	Transgrid Community Engagement Lead
49	Complaints register	Complaints register (personal information removed) published on the Project website; provided to the Planning Secretary on request.	CCS s12.2; CoA C2(c), C18(g); A13(b)	Website updated monthly; to ER on the day complaints are received; maintained for 12 months after construction	Zinfra Project Engagement Lead	Public (website); Planning Secretary on request; ER
50	Landowner look-ahead program	Four-week look-ahead program of works for each relevant landowner.	CCS s7.4.2, s12.2	Fortnightly or monthly, as agreed in the land access agreement	Zinfra Project Engagement Lead	Directly impacted landowners
51	Community notifications	Fact sheets and letterbox drops for works with potential to disrupt.	CCS s9, Table 7; CNVMP Table 24	At least 7 days before the work	Zinfra Project Engagement Lead	Adjoining landowners, potentially impacted receivers

Appendix J – Environmental Reporting

Reporting ID	Report	Requirement	Source	Timing	Responsibility	Recipient
1	Monthly environmental report	For incorporation in Project Monthly Reports including (but not limited to) environmental statistics (i.e. incidents, regulatory action, complaints on environmental issues, Waste Register), regulatory and authority considerations, monitoring program performance, environmental training undertaken, out-of-hours works approved and undertaken and key environmental issues; also waste quantities and landfill diversion rates, groundwater interception log and traffic monitoring summary.	WMP s8.6; SWMP Table 31; TTMP s6.4.1	3rd Business Day of each month	Environmental BP	Transgrid
2	Monitoring results	Report on monitoring data recorded and potential exceedances against criteria in accordance with Monitoring Plans in CEMP sub-plans. Includes Noise and/or Vibration Monitoring Reports and formal biodiversity monitoring reports.	CNVMP s8.1.1; BMP s6.3.2	As required	Environmental BP	Transgrid
3	Independent audit	Report on the findings of Independent Audits. Proponent must review and respond to each Independent Audit Report.	CoA C14; SWMP s8.6.2, Table 30	Within two months of undertaking the independent audit. At intervals no greater than 26 weeks from the date of the initial Independent Audit or as otherwise agreed by the Secretary. Initial audit within 4 to 12 weeks of commencement of construction.	Independent auditor, Project Manager (Zinfra)	Transgrid, Planning Secretary
4	Incident notification	Any incidents that occur must be notified to the Planning Secretary via the Major Projects portal, and to NPWS.	CoA C16	Immediately after becoming aware of the incident; no later than 24 hours (CoA C16)	Project Manager (Zinfra)	Planning Secretary, Transgrid, NPWS; Heritage Council of NSW where there is actual or potential damage to a heritage structure
5	Non- compliance notification	Any non-compliances that occur must be notified to the Planning Secretary via the Major Projects portal. Not required where already notified as an incident.	CoA C15	Within seven days of becoming aware of the non-compliance	Project Manager (Zinfra)	Planning Secretary, Transgrid
6	Incident Report	Any incidents that occur must be followed up with a subsequent incident report after notification to the Planning Secretary via the Major Projects portal.	CoA C17	A written incident report must be submitted within seven days of making the incident notification. (or as otherwise agreed by the Planning Secretary)	Project Manager (Zinfra)	Planning Secretary, Transgrid, NPWS
7	Incident notification	Incident (as defined by the EPBC Approval Notice) that occur must be notified. Specify any condition or plan commitment not complied with, a short description, and location (with coordinates), date and time.	EPBC Condition 21	Within 2 business days of becoming aware of the incident	Project Manager (Zinfra)	National Environmental Protection Agency, Transgrid
8	Incident Report	Any incidents that occur must be followed up with a subsequent incident report after notification. Specify corrective measures and investigations, potential impacts, proposed corrective measures and any plan or condition variation needed.	EPBC Condition 22	Within 12 business days of becoming aware of the incident	Project Manager (Zinfra)	National Environmental Protection Agency, Transgrid
9	EPBC Annual Compliance Report	Prepare a compliance report for each ACR period covering compliance with NSW and EPBC conditions and plan commitments, plans in effect, implementation and incidents. Publish with a shapefile of clearing of protected matters, with sensitive data redacted.	EPBC Conditions 14-17; BMP s6.3.2.8	Publish within 20 business days of the end of each ACR period	Transgrid (approval holder); Environmental BP and Project Ecologist to supply content	National Environmental Protection Agency (published on Project website)
10	EPBC publication notification	Notify the department that the compliance report and shapefile have been published, with the web address.	EPBC Condition 19	Within 5 business days of publication	Transgrid	National Environmental Protection Agency
11	EPBC unredacted report and shapefile	Where sensitive biodiversity data is redacted, submit the full compliance report and/or shapefile and advise what was redacted.	EPBC Condition 18	Within 5 business days of publication	Transgrid	National Environmental Protection Agency
12	EPBC monitoring and spatial data	Submit monitoring data, surveys, maps, spatial data, metadata and species occurrence records.	EPBC Condition 13; BMP s6.3.2.8	Within 20 business days of each anniversary of the approval decision	Transgrid; Project Ecologist	National Environmental Protection Agency
13	EPBC commencement notification	Notify the date of commencement of the Action.	EPBC Condition 7	Within 5 business days of commencement	Transgrid	National Environmental Protection Agency
14	EPBC change notification	Notify any proposed change to the NSW Approval that may relate to protected matters, and any change to NSW conditions with a marked-up copy.	EPBC Conditions 5 and 6	Proposed change: within 5 business days of formally proposing it (and within 10 business days of becoming aware). Changed conditions: within 5 business days of taking effect	Transgrid	National Environmental Protection Agency
15	EPBC compliance records on request	Provide electronic copies of compliance records.	EPBC Condition 10	Within the timeframe specified in the written request	Transgrid	National Environmental Protection Agency

16	Post-clearing Report	Document final area cleared, threatened flora and hollow-bearing trees removed, fauna handled, and inventory of salvaged hollows and timber.	BMP BD12, s6.3.2; CoA B24(e)	Following completion of clearing operations	Project Ecologist	Project Manager (Zinfra), Transgrid; relevant agencies where required
17	Pre-clearing Survey Report	Document survey findings, avoidance measures, management response and any consultation or approvals needed where threatened species, active breeding habitat or another significant constraint is found.	BMP s6.3.2.1	Before clearing commences in the affected block	Project Ecologist	Environmental BP, Transgrid; relevant agencies where required
18	Breeding-season clearing assessment	Written site-specific assessment justifying unavoidable clearing of hollow-bearing trees during elevated breeding or roosting risk.	BMP Appendix A	Before the proposed clearing commences	Project Ecologist	CPHR
19	Threatened species / active breeding hollow notification	Notify where a threatened species or active breeding hollow is identified during pre-clearing or clearing.	BMP s5.4.7, Appendix A	Upon identification; clearing deferred until a management approach is agreed	Environmental BP / Project Ecologist	CPHR
20	Unexpected species finds notification	Notify in writing of additional mitigation measures for an unexpected threatened species or TEC find, consult relevant agencies and obtain endorsement before recommencing.	BMP BD13, s6.6; CoA B24(d)(iv)	Following the find, before work recommences at the location	Transgrid / Environmental BP	Planning Secretary, CPHR; NPWS if in Gardens of Stone SCA
21	Replacement-hollow installation and monitoring reports	Report installed assets, condition, occupancy, breeding, pests and adaptive management actions.	BMP s6.3.2.5, Appendix D	Following installation and each monitoring event (six-monthly Years 0-2, annually Years 3-10)	Project Ecologist; Environmental BP	Transgrid (for publication on Project website); CPHR / NPWS (BD27)
22	Habitat connectivity reports	Report installed connectivity measures, condition, species use, crossings and effectiveness against objectives.	BMP s6.3.2.6, Appendix B	Annual monitoring reports; effectiveness assessment three years after installation of the last structure	Project Ecologist	Transgrid (for publication); CPHR / NPWS (final connectivity design, BD28)
23	Rehabilitation monitoring reports	Report rehabilitation performance against objectives and criteria.	BMP Table 6-3, s6.2.3	Quarterly for first two years post-rehabilitation, then Years 5, 10 and 15	Project Ecologist; Environmental BP	Transgrid (for publication on Project website)
24	Weed and pest monitoring reports	Report weed and pest monitoring results, including post-construction comparison against baseline.	BMP s6.3.2, Appendix E	Quarterly during construction; post-construction assessment report on completion	Environmental BP; Project Ecologist	Transgrid
25	Fauna collision investigation report	Investigate and report fauna collisions with transmission infrastructure involving threatened species, repeated events or potential failure of a management measure.	BMP s6.3.2.7	Following the collision event	Project Ecologist	Transgrid; relevant agencies where required
26	Fauna relocation records	Provide records of fauna relocated	BMP BD14	As relocations occur	Project Ecologist	NPWS
27	Unexpected contamination finds	Report unexpected contamination finds in accordance with Transgrid procedure.	SWMP Table 31, Appendix C	As required	Environmental BP	Transgrid; Environmental Representative and relevant agencies where required
28	Duty to report contamination	Notify contamination meeting the triggers of s60 of the CLM Act 1997.	SWMP Table 31, s8.4.1	As soon as practicable once triggered	Transgrid (with Environmental BP)	NSW EPA
29	Groundwater interception log	Monthly log of groundwater intercepted under the 3 ML/year exemption.	SWMP Table 31, SW47	Monthly; extraction recorded within 24 hours	Environmental BP	Transgrid
30	Annual groundwater take report	Annual groundwater take records under the Water Management (General) Regulation exemption.	SWMP Table 29, SW47; CoA B13, B19(c)	Annually at the prescribed time	Environmental BP (through Transgrid)	DCCEEW (Water)
31	Waste reporting	Waste data, quantities by stream and diversion rates consolidated into the monthly project report.	WMP s8.6	Monthly	Environmental BP	Transgrid
32	Noise and vibration monitoring reports	Record location, activity, plant, criteria, predicted and measured levels, exceedances and corrective actions.	CNVMP s8.1.1	Following each monitoring event	Environmental BP	Transgrid; available to ER, DPHI and auditors
33	Noise and vibration complaint notification	Notify Council of noise or vibration complaints received and provide close-out feedback once resolved.	CNVMP s8.3	On receipt of complaint; feedback on resolution	Environmental BP / Project Engagement Lead	Lithgow City Council
34	OOHW compliance reports	Confirm compliance with approved OOHW permits through site inspections.	CNVMP s7.4	During and following OOHW	Environmental BP	Transgrid
35	Unexpected historic heritage find notification	Notify the find with details of the item and location.	HHMP s5.2, HH-06; CoA B26(e)	As soon as practical after the specialist assessment	Transgrid Project Manager or delegate	Heritage Council of NSW, DPHI Compliance; NPWS if in Gardens of Stone SCA
36	Unexpected Aboriginal object find notification	Notify the find, and register new objects or sites in AHIMS.	ACHMP s5.4, ACH-09; CoA B25(e), B27(d)	As soon as practical after the find	Transgrid Project Manager or delegate; archaeologist	Heritage NSW, DPHI Compliance; NPWS if in SCA; RAPs
37	Human skeletal remains notification	Follow the skeletal remains protocol.	HHMP Figure 5-3; ACHMP Figure 5-5	Immediately on discovery	Zinfra Project Manager / Transgrid	NSW Police / Coroner; Heritage NSW where Aboriginal
38	ASIRF submission	Aboriginal Site Impact Recording Forms detailing the salvage process at each salvaged site.	ACHMP ACH-01, s5.2.1	Within four months of salvage	Archaeologist	AHIMS (Heritage NSW)
39	Salvage report	Report the results of salvage, including the permanent keeping place.	ACHMP ACH-16, s6.1.1	Within 12 months of any salvage activity	Archaeologist	Transgrid; RAPs

40	Aboriginal site condition monitoring report	Report baseline, six-monthly and additional site condition monitoring.	ACHMP ACH-08, s5.3.2	Within 10 business days of each monitoring event	Archaeologist	Transgrid / Zinfra; RAPs
41	Historic heritage condition assessment reports	Baseline, six-monthly, ad hoc and post-construction condition assessment reports.	HHMP HH-07, HH-09, s5.4	Before construction; six-monthly; when damage is suspected; after construction	Suitably qualified heritage specialist	Zinfra; Transgrid (kept on file)
42	Heritage performance measure failure report	Report options for remediation where a heritage performance measure fails, and implement as directed.	HHMP HH-11; ACHMP ACH-17; CoA A1	At the earliest opportunity after a failure	Zinfra Project Manager; Transgrid	Planning Secretary (DPHI)
43	RAP annual update	Project update and consultation with Registered Aboriginal Parties.	ACHMP ACH-12, s3.3.1	Annually	Zinfra Project Engagement Lead	RAPs
44	Traffic monitoring summary	Summarise traffic monitoring program results (vehicle numbers, routes, checklists, audits).	TTMP s6.4.1	Monthly site report (programs administered weekly)	Construction Manager or delegate	Transgrid
45	Road dilapidation survey reports	Independent survey reports and rectification of damage.	TTMP TT-27; CoA B34	Before use, annually and within 1 month of completion; rectification within 7 days where safety-critical, otherwise within two months	Construction Manager; independent surveyor	Relevant roads authority (Lithgow City Council / TfNSW), Transgrid
46	Emergency services lane closure notification	Notify emergency services of lane closures.	TTMP TT-30	At least five days before implementing any lane closure	Project Manager; Project Engagement Lead	NSW Police, Ambulance, SES, Fire and Rescue NSW, RFS
47	Plan revision	Revise environmental management documents following approval modification, phase change, risk review, audit or incident findings, or a Planning Secretary direction.	CoA C3; TTMP TT-49; SWMP s10	Submit within three months unless otherwise agreed	Zinfra; Transgrid	Planning Secretary
48	Community, landowner and stakeholder report	Overview of engagement, enquiries and complaints with response times, corrective actions, meetings and notifications issued.	CCS s12.2	Monthly	Zinfra Project Engagement Lead	Transgrid Community Engagement Lead
49	Complaints register	Complaints register (personal information removed) published on the Project website; provided to the Planning Secretary on request.	CCS s12.2; CoA C2(c), C18(g); A13(b)	Website updated monthly; to ER on the day complaints are received; maintained for 12 months after construction	Zinfra Project Engagement Lead	Public (website); Planning Secretary on request; ER
50	Landowner look-ahead program	Four-week look-ahead program of works for each relevant landowner.	CCS s7.4.2, s12.2	Fortnightly or monthly, as agreed in the land access agreement	Zinfra Project Engagement Lead	Directly impacted landowners
51	Community notifications	Fact sheets and letterbox drops for works with potential to disrupt.	CCS s9, Table 7; CNVMP Table 24	At least 7 days before the work	Zinfra Project Engagement Lead	Adjoining landowners, potentially impacted receivers