

**Parkes To Narromine:
Compliance Tracking
Program**

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Abbreviations

Abbreviation	Definition
ARTC	Australian Rail Track Corporation
AS/NZS ISO	Australia Standard / New Zealand Standard International Organization for Standardization
CEMP	Construction Environmental Management Plan
CoA	Condition of Approval
CSSI	Critical State Significant Infrastructure
CTP	Compliance Tracking Program
DPE	Department of Planning & Environment
EAP	Environmental Audit Program
EIS	Environmental Impact Statement
EP&A Act	Environmental Planning and Assessment Act 1979
EPBC Act	Environment Protection and Biodiversity Conservation Act 1999
EPA	NSW Environment Protection Agency
EPL	Environment Protection Licence
ER	Environmental Representative
IR	Inland Rail
NSW	New South Wales
P2N	Parkes to Narromine
POEO Act	Protection of the Environment Operations Act 1997
SMP	Sustainability Management Plan
SSI	State Significant Infrastructure

Background

Australian Rail and Track Corporation (ARTC) submitted a State Significant Infrastructure (SSI) application to construct and operate the Parkes to Narromine (P2N) Inland Rail Project (the project) under Part 5, Division 5.2 of the *Environmental Planning and Assessment Act 1979* (EP&A Act). The project was approved by the Minister for Planning in 2018 (SSI 7475).

The project has also been subject to approval under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). The P2N project was declared by the Commonwealth Minister for Sustainability, Environment, Water, Populations and Communities to be a controlled action under the EPBC Act on 11 October 2016.

Construction of the project is expected to commence in September 2018 for a period of 18 months to March 2020. Rail operations are expected to commence from mid-2020, with full Inland Rail operational connectivity expected by 2024.

As the proponent of the project, ARTC is required to develop and implement a Compliance Tracking Program (CTP) to meet the compliance requirements of the project approval.

PURPOSE

In accordance with condition A22 of the Critical State Significant Infrastructure (CSSI), this report has been prepared to outline the CTP which has been developed to monitor compliance of the project against the P2N Conditions of Approval (CoA) throughout construction and for at least the first year of operation.

The CSSI recognises and allows for a staged approach for construction and operational activities, whilst it is not envisioned at this time that construction will be staged, if staging is required details will be provided in a Staging Report and will be submitted to the Secretary for information.

Objectives

This CTP report has been developed to addresses conditions A22 to A24 of the CSSI, however, there are multiple CoA that relate to compliance all of which are outlined in Table 1 below.

TABLE 1 PARKES TO NARROMINE CONDITIONS OF APPROVAL REQUIREMENTS FOR THE COMPLIANCE TRACKING PROGRAM

Condition Number	Condition of Approval Description	Relevant Section
Compliance Tracking Program Conditions of Approval Requirements:		
A22	A Compliance Tracking Program to monitor compliance with the terms of this approval must be prepared, taking into consideration any staging of the CSSI that is proposed in a Staging Report submitted in accordance with Condition A10 and Condition A11 of this approval.	This report
A23	The Compliance Tracking Program must be endorsed by the ER and then submitted to the Secretary for information at least one (1) month prior to the commencement of works.	Appendix 1
A24	The Compliance Tracking Program in the form required under Condition A22 of this approval must be implemented for the duration of construction and for a minimum of one (1) year following commencement of operation, or for a longer period as determined by the Secretary based on the outcomes of independent environmental audits, Environmental Representative Monthly Reports and regular compliance reviews submitted through	Section 5

Condition Number	Condition of Approval Description	Relevant Section
	Compliance Reports. If staged operation is proposed, or operation is commenced of part of the CSSI, the Compliance Tracking Program must be implemented for the relevant period for each stage or part of the CSSI.	
Other Conditions of Approval related to Compliance:		
A10	The CSSI may be constructed and operated in stages. Where staged construction or operation is proposed, a Staging Report (for either or both construction and operation as the case requires) must be prepared and submitted to the Secretary for information. The Staging Report must be submitted to the Secretary no later than one (1) month prior to the commencement of construction of the first of the proposed stages of construction (or if only staged operation is proposed, one (1) month prior to the commencement of operation of the first of the proposed stages of operation).	Section 5.2.1
A11	<p>The Staging Report must:</p> <ul style="list-style-type: none"> a) if staged construction is proposed, set out how the construction of the whole of the CSSI will be staged, including details of work and other activities to be carried out in each stage and the general timing of when construction of each stage will commence and finish; b) if staged operation is proposed, set out how the operation of the whole of the CSSI will be staged, including general details of work and other activities to be carried out in each stage and the general timing of when operation of each stage will commence and finish (if relevant); c) specify how compliance conditions will be achieved across and between each of the stages of the CSSI; and d) set out mechanisms for managing any cumulative impacts arising from the proposed staging. 	
A12	The CSSI must be staged in accordance with the Staging Report, as submitted to the Secretary.	
A13	Where staging is proposed, the terms of this approval that apply or are relevant to the works or activities to be carried out in a specific stage must be complied with at the relevant time for that stage.	
A14	Where changes are proposed to the staging of construction or operation, a revised Staging Report must be prepared and submitted to the Secretary for information no later than one (1) month prior to the proposed change in the staging.	
A19 (i)	(i) prepare and submit to the Secretary and other relevant regulatory agencies, for information, an Environmental Representative Monthly Report providing the information set out in the Environmental Representative Protocol under the heading “Environmental Representative Monthly Reports.” The Environmental Representative Monthly Report must be submitted within seven (7) calendar days following the end of each month for the duration of the ER’s engagement for the CSSI;	Section 5.2.2

Condition Number	Condition of Approval Description	Relevant Section
A25	A Pre-Construction Compliance Report must be prepared and submitted to the Secretary for information no later than one (1) month before the commencement of construction (or each stage of construction identified in the Staging Report).	Section 5.2.3
A26	The Pre-Construction Compliance Report must include: <ul style="list-style-type: none"> (a) details of how the terms of this approval that must be addressed before the commencement of construction have been complied with; and (b) the proposed commencement date for construction. 	
A27	Construction must not commence until the Pre-Construction Compliance Report has been submitted to the Secretary.	
A28	<p>Construction Compliance Reports must be prepared and submitted to the Secretary for information every six (6) months from the date of the commencement of construction, for the duration of construction. The Construction Compliance Reports must include:</p> <ul style="list-style-type: none"> (a) a summary of the project activities that occurred during the reporting period; (b) a results summary and analysis of environmental monitoring; (c) the number of any complaints received, including a summary of main areas of complaint, action taken, response given and proposed strategies for reducing the recurrence of such complaints; (d) details of any review of, and minor amendments made to, the CEMP as a result of construction carried out during the reporting period; (e) a register of any consistency assessments undertaken and their status; (f) results of any independent environmental audits carried out in accordance with Conditions A32 to A35 and details of any actions taken in response to the recommendations of an audit; (g) a summary of all incidents notified in accordance with Condition A36 and Condition A39 of this approval; and (h) a compliance status summary for the reporting period including details of any non-compliances with the terms of this approval. 	Section 5.2.4
A29	The Department must be notified in writing to compliance@planning.nsw.gov.au within seven (7) days after the Proponent becomes aware of any non-compliance. The notification must identify the project and the application number for it, set out the condition of consent that the project is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance.	Section 5.2.5
A30	A Pre-Operation Compliance Report must be prepared and submitted to the Secretary for information no later than one (1) month before the commencement of operation. The Pre-Operation Compliance Report must include: <ul style="list-style-type: none"> (a) details of how the terms of this approval that must be addressed before the commencement of operation have been complied with; and (b) the commencement date for operation. 	Section 5.2.6

Condition Number	Condition of Approval Description	Relevant Section
A31	Operation must not commence until the Pre-Operation Compliance Report has been submitted for information to the Secretary.	
A32	An Environmental Audit Program for annual independent environmental auditing against the terms of this approval must be prepared in accordance with AS/NZS ISO 19011:2014 - Guidelines for Auditing Management Systems and submitted to the Secretary for information no later than one (1) month before the commencement of construction.	Section 5.2.7
A33	The Environmental Audit Program, as submitted to the Secretary, must be implemented and complied with for the duration of construction and for the first two years of operation.	
A34	<p>All independent environmental audits of the CSSI must be conducted by a suitably qualified, experienced and independent team of experts in auditing and be documented in an Environmental Audit Report which:</p> <ul style="list-style-type: none"> (a) assesses the environmental performance of the CSSI, and its effects on the surrounding environment; (b) assesses whether the project is complying with the terms of this approval; and (c) recommends measures or actions to improve the environmental performance of the CSSI. 	
A35	The Proponent must submit a copy of the Environmental Audit Report to the Secretary with a response to any recommendations contained in the audit report within six (6) weeks of completing the audit.	
A36	The Department must be advised in writing to compliance@planning.nsw.gov.au immediately after the Proponent becomes aware of an incident and in any event within 24 hours of the Proponent becoming aware of any incident. The notification must identify the CSSI, including the application number and the name of the CSSI.	Section 5.2.8
A37	Notification of an incident under Condition A36 of this approval, must include the time and date of the incident and details of the incident.	
A38	All written requirements of the Secretary which may be given at any point in time, to address the cause or impact of an incident reported under with Condition A36 must be complied with within any timeframe specified by the Secretary.	
A39	If statutory notification is given to the EPA as required under the POEO Act, such notification must also be provided to Secretary within 24 hours after the notification was given to the EPA.	Section 5.2.9

Appendix B and C contain all the CoA and Environmental Impact Statement (EIS) Mitigation Measures respectively for the project and include details regarding the relevant stage and responsibility for each requirement. As the project progresses these tables will be updated to reflect Status of each item and Evidence to support compliance.

Roles and Responsibilities

The Inland Rail (IR) Project Environmental Advisor will be responsible for ensuring the following key roles will ensure activities are effectively monitored and managed from an environmental perspective throughout the construction and operations stage of the P2N project.

Inland Rail Project Environmental Advisor

The Inland Rail (IR) Project Environmental Advisor will be responsible for ensuring the Construction Contractor's and IR activities are in accordance with the relevant environmental approvals and legislation.

Inland Rail Project Environmental Field Advisor

The IR Project Environmental Field Advisor will conduct regular site inspections to monitor and evaluate the Construction Contractor's site activities to ensure they are acting in accordance with the CoA and minimising environmental harm where possible.

Construction Environmental Manager

The Construction Environmental Manager is a delegate of the Construction Contractor and is responsible for managing environmental compliance against the CSSI CoA and ensuring that works are undertaken in accordance with the management plans required under the CSSI and relevant legislation. The Construction Environmental Manager will also be responsible for managing any other environmental approvals required for works, such as but not limited to an Environment Protection Licence (EPL) under the *Protection of the Environment Operations Act 1997* (POEO Act).

Environmental Representative

In accordance with conditions A15 to A21, a suitably qualified and experienced person who was not involved in the preparation of the Environmental Impact Statement (EIS) or Submissions Report and is independent from the design and construction personnel for the CSSI is to be engaged by ARTC for the duration of the works until the completion of construction. One of the roles of the Environmental Representative (ER) is to regularly monitor the implementation of the documentation required as part of the CSSI, and to endorse the CTP prior to submitting to the Secretary for approval. Refer to Appendix 1 for the ER's endorsement of this report.

ARTC Environmental Advisor

The ARTC Environmental Advisor will be responsible for ensuring the ARTC's activities are in accordance with the relevant environmental approvals and legislation during the operational phase.

All Personnel

All personnel that are invited to site, including ARTC personnel, ERs, contractors, sub-contractors and visitors have an obligation to ensure they act in accordance with the CoA and relevant legislation.

Compliance Tracking Program

The P2N Compliance Tracking Program has several components namely:

Legislative Compliance;

Reports required by the CSSI Conditions of Approval:

- Staging Report;
- ER Monthly Reports;
- Pre-Construction Compliance Report;
- Construction Compliance Reports;
- Non-Compliance and Corrective Actions Reporting;
- Pre-Operation Compliance Report;
- Environmental Audit Program;
- Emergency and Incident Reporting; and
- Statutory Notification Reporting.

EIS Mitigation Measures and Commitments; and

Environmental Site Surveillance and Inspections.

Each of these components will be discussed below. It should be noted, in accordance with condition A23, the ER has endorsed this CTP refer to Appendix 1 for details.

Legislative Compliance

The P2N project is governed by but not limited to the following key environmental legislation:

Environmental Planning and Assessment Act 1979 (EP&A Act), which requires a CSSI Approval (SSI 7475);

Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act), which the P2N project has been referred to as a controlled action under the legislation (EPBC Referral); and

Protection of the Environment Operations Act 1997 (POEO Act), which requires an Environment Protection Licence (EPL) for construction works to be obtained by the Construction Contractor.

ARTC is the Proponent for the Parkes to Narromine Project (P2N) under the CSSI Approval and EPBC Referral. Approval obligations will be either wholly or partially assigned to the Construction Contractor as they relate to the Construction Contractor's activities. During the operational phase the obligations of the CSSI Approval and EPBC Referral will solely be the responsibility of ARTC. Responsibility and accountability for the EPL is solely with the Construction Contractor for the project.

CSSI Conditions of Approval

In accordance with the CSSI CoA there are several compliance activities and reporting requirements that are to be undertaken throughout the construction period and for at least one year of operations. As stated above, responsibility for implementation of conditions and management measures will be a mixture of both ARTC, Inland Rail and the Construction Contractor depending on the extent of the activities being undertaken. This section provides a detailed explanation of each compliance report.

Staging Report

At the time of writing, it was not envisioned that construction will be staged. However, if staging is required, a Staging Report will be prepared in accordance with conditions A10 to A14 prior to construction commencing. Each report will outline the activities that are included in the stage, along with details specifying how compliance conditions will be achieved for that stage of works.

Environmental Representative Monthly Reports

In accordance with condition A19 (i) the ER will prepare and submit to the DPE an Environmental Representative Monthly Report in accordance with the *Environmental Representative Protocol* within seven (7) days following the end of each month for the duration of the construction.

The ER Monthly report will include but not limited to:

- Reporting by exception and focusing on the key environmental or compliance issues for the relevant reporting period;
- Summarise construction activities undertaken in the current reporting period and identify activities proposed for the upcoming reporting period;
- Summary of ER's activities undertaken including inspections and audits;
- Summary of community consultation undertaken by Inland Rail and compliance received;
- Analysis of lessons learnt and opportunities for improvement;
- Any changes to the P2N project;
- Summary of meetings attended;
- Summary of any documentation issued to Inland Rail including: advice or requests, corrective actions or non-compliance reports, out of hours works approvals, etc; and
- Any closing remarks.

As noted above, the ER Monthly Report will be developed in accordance with the *Environmental Representative Protocol*. The protocol is currently in draft form, as such the above details of the monthly report may change based on the requirements of the protocol.

Pre-Construction Compliance Report

In accordance with conditions A25 to A27, a Pre-Construction Compliance Report will be prepared prior to construction commencing and will include details of how the terms of the CSSI approval have been addressed and complied with regarding construction activities, along with a proposed construction commencement date.

Construction Compliance Reports

In accordance with condition A28, every six (6) months from the date of commencement of construction through the construction period, Inland Rail will prepare and submit to DPE a Construction Compliance Report. The Construction Compliance Report will include:

- A summary of the project activities that occurred during the reporting period;
- A results summary and analysis of environmental monitoring;
- The number of complaints received, including a summary of main areas of complaint; actions taken, response given and proposed strategies for reducing the recurrence of such complaints;
- Details of any review of, and minor amendments made to, the Construction Environmental Management Plan (CEMP) because of construction carried out during the reporting period;

A register of any independent environmental audits carried out in accordance with conditions A32 to A35 and details of any actions taken in response to the recommendations of any audit;
A summary of all incidents notified in accordance with condition A36 and condition A39 of the CSSI; and
A compliance status summary for the reporting period including details of any non-compliance with the terms the CSSI.

Non-Compliance and Corrective Actions Reporting

In accordance with condition A29, Inland Rail will notify the DPE within seven (7) days after becoming aware of any non-compliance, which is defined in the CSSI as *“An occurrence, set of circumstances or development that is a breach of this approval but is not an incident.”*

The Construction Contractor and Inland Rail will document and detail any non-compliances arising from environmental monitoring, inspections and audits. Preventative and corrective actions to rectify non-compliances, near misses and hazards will be identified, implemented and reported.

Pre-Operation Compliance Report

In accordance with conditions A30 to A31, a Pre-Operation Compliance Report will be prepared prior to operation commencing and will include details of how the terms of the CSSI approval have been addressed and complied with regarding operational activities, along with a proposed operation commencement date.

Environmental Audit Program

In accordance with conditions A32 to A35, annual independent environmental audits will be undertaken by a suitably qualified, experience and independent team of experts.

An Environmental Audit Program (EAP) has been prepared to determine the effectiveness of the project against the CSSI and improve the environmental performance of the project for construction and the first two (2) years of operation.

The EAP will:

- Assess the environmental performance of the project and its effects on the surrounding environment;
- Assesses whether the project is complying with the terms of the CSSI; and
- Recommend measures or actions to improve environmental performance.

Emergency and Incident Reporting

In accordance with conditions A36 to A38, Inland Rail will notify the Department of Planning & Environment (DPE) once Inland Rail becomes aware of an incident, which is defined in the CSSI as *“An occurrence or set of circumstances that causes, or threatens to cause material harm”*.

Material harm is defined in the CSSI as *“This is harm that:*

- (a) involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial; or*
- (b) results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000, (such loss includes the reasonable costs and expenses that would be incurred in taking all reasonable and practicable measure to prevent, mitigate or make good harm to the environment).”*

As part of the Construction Environmental Management Plan, the Construction Contractor will develop and implement appropriate environmental incident, non-conformance and complaints processes to ensure the requirements of the POEO Act, the CSSI and any other relevant project approvals or licences such as, but not limited to the EPL are met. The process will include at a minimum:

- Categories for environmental incidents and emergencies and notification and reporting protocols;
- Identification of personnel who have authority to take immediate action, or to affect the environmental control measure; and

A process for undertaking appropriate levels of investigation for all incidents and the processes for implementation and assessment of corrective actions.

Statutory Notification Reporting

In accordance with condition A39, Inland Rail will notify the Secretary within 24 hours, once ARTC becomes aware of any statutory notification given to the NSW Environment Protection Agency (EPA) as required under the POEO Act

EIS Mitigation Measures and Commitments

An EIS was prepared to support Inland Rail’s application for approval of the P2N project in accordance with the requirements of Part 5.1 of the EP&A Act. As part of the EIS process, the EIS documentation was available to the public to comment on, and Inland Rail prepared a report (*Inland Rail – Parkes to Narromine Submissions Report*) to address the concerns raised through this process. Section 8 of the Submissions Report provides the approach to environmental management and mitigation for P2N taking into consideration comments from all stakeholders who reviewed the EIS documentation, refer to Appendix C, for a list of all the revised Mitigation Measures.

As part of the review of CoA documentation (i.e. CEMP), Inland Rail will ensure that the EIS Mitigation Measures are adequately included in the management plans that are to be implemented throughout the project.

EIS Mitigation measures and commitments will be monitored as part of environmental inspections and audits throughout the life of the project.

Environmental Site Surveillance and Inspections

Environmental Inspections will be undertaken by several roles through the duration of construction works on site and will include (but not limited to):

- Surveillance of environmental mitigation measures and commitments;
- Periodic inspections of environmental mitigation by the Construction Environment Manager (or delegate) to verify adequacy of environmental mitigation. This will be documented in a formal inspection record; and
- Regular site inspections by the ER, Project Environmental Advisor and the Construction Environmental Manager representatives.

In addition to these environmental inspections the Construction Contractor will undertake the internal environmental inspections and /or audits to ensure compliance with (but not limited to):

- Project conditions of approval and other permits, approvals and licences;
- Project CEMP, Sustainability Management Plan (SMP) and other plans and procedures;
- Environmental training records;
- Relevant and applicable design requirements or specifications; and
- Environmental monitoring and inspection results.

Summary of the Compliance Tracking Program

Compliance Activity	Responsibility	Frequency
Staging Report.	Inland Rail / Construction Contractor.	Prior to construction and operations commencing if required.
Environmental Representative Monthly Reporting.	ER.	Monthly.

Compliance Activity	Responsibility	Frequency
Pre-Construction Compliance Report.	Inland Rail.	Prior to construction commencing.
Construction Compliance Reports.	Inland Rail / Construction Contractor.	Every six (6) months from construction commencing.
Non-compliance and Corrective Actions Reporting.	Inland Rail / Construction Contractor / ER.	As required.
Pre-Operation Compliance Report.	Inland Rail.	Prior to Operations.
Environmental Audit Program.	Inland Rail / Construction Contractor.	Annually.
Emergency and Incident Reporting.	Inland Rail / Construction Contractor / ER.	As required.
Statutory Notification Reporting.	Inland Rail / Construction Contractor.	As required.
Environmental Site Surveillance.	Inland Rail / Construction Contractor.	Daily or as required.
Environmental Inspections.	Inland Rail / Construction Contractor / ER.	Fortnightly or as required.



Appendix A – Environmental Representative Endorsement



Appendix B – Environmental Compliance Tracker – Conditions of Approval

Critical State Significant Infrastructure Inland Rail – Parkes to Narromine Conditions of Approval Compliance Tracking Program

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
Part A - ADMINISTRATIVE CONDITIONS					
GENERAL					
A1	The CSSI must be carried out in accordance with the terms of this approval and generally in accordance with the description of the CSSI in the <i>Inland Rail – Parkes to Narromine Environmental Impact Statement, Volumes 1-6</i> (prepared by GHD and dated June 2017) and the <i>Inland Rail – Parkes to Narromine Submissions Report</i> (ARTC, dated February 2018).	Duration of Works		ARTC / Service Provider	
A2	The CSSI must be carried out generally in accordance with all procedures, commitments, preventative actions, performance criteria and mitigation measures set out in in the EIS as amended by the Submissions Report unless otherwise specified in, or required under, this approval.	Duration of Works		ARTC / Service Provider	
A3	In the event of an inconsistency between the EIS as amended by the Submissions Report or any other document required under this approval, and a term of this approval, the term of this approval prevails to the extent of the inconsistency. <i>Note: For the purpose of this condition, there will be an inconsistency between a term of this approval and any document if it is not possible to comply with both the term and the document.</i>	Duration of Works		ARTC / Service Provider	
A4	The Proponent must comply with all requirements of the Secretary in relation to: (a) the environmental performance of the CSSI;	Duration of Works		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	<p>(b) any document or correspondence under the terms of this approval in relation to the CSSI;</p> <p>(c) any notification given to the Secretary under the terms of this approval;</p> <p>(d) any audit of the construction or operation of the CSSI;</p> <p>(e) compliance with the terms of this approval (including anything required to be done under this approval);</p> <p>(f) the carrying out of any additional monitoring or mitigation measures; and</p> <p>(g) 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.</p>				
A5	<p>Where the terms of this approval require a document to be prepared or a review to be undertaken in consultation with identified parties, consultation must be carried out in accordance with the Communications Strategy required by Condition B1. Evidence of the consultation undertaken must be submitted to the Secretary with the document. The evidence must include:</p> <p>(a) documentation of the engagement with the party(ies) identified in the condition of approval that has occurred prior to submitting the document for approval;</p> <p>(b) log of the points of engagement or attempted engagement with the identified party(ies) and a summary of the issues raised by them;</p> <p>(c) documentation of the follow-up with the identified party(ies) where feedback has not been provided to confirm that they have none or have failed to provide feedback after repeated requests;</p>	Duration of Works		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	(d) outline of the issues raised by the identified party(ies) and how they have been addressed;				
	(e) a description of the outstanding issues raised by the identified party(ies) and the reasons why they have not been addressed.				
A6	Where the terms of approval provide for Secretarial discretion (for example in relation to the timing of an action), the Proponent must provide supporting evidence so that the Secretary can consider the need, environmental impacts and consistency of any request. <i>Note: Inaction and/or expedience will not be supported as justifications for need unless it can be demonstrated that there is beneficial environmental impacts associated with the request</i>	Duration of Works		ARTC / Service Provider	
A7	Any document that must be submitted, or approval that must be obtained, within a timeframe specified in or under the conditions of this approval may be submitted within a later timeframe agreed with the Secretary. The Proponent must seek the Secretary's agreement at least 14 days before the date on which the document is required to be submitted, or approval must be obtained. This condition does not apply to the immediate written notification required in respect of an incident under Condition A36.	Duration of Works		ARTC / Service Provider	
A8	This approval lapses five (5) years after the date on which it is granted, unless works for the purpose of the CSSI are physically commenced on or before that date.	Duration of Works		ARTC / Service Provider	
A9	The Proponent is responsible for any breaches of the conditions of this approval resulting from the actions of all persons that it invites onto any site, including contractors, sub-contractors and visitors	Duration of Works		ARTC / Service Provider	
STAGING					

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
A10	The CSSI may be constructed and operated in stages. Where staged construction or operation is proposed, a Staging Report (for either or both construction and operation as the case requires) must be prepared and submitted to the Secretary for information. The Staging Report must be submitted to the Secretary no later than one (1) month prior to the commencement of construction of the first of the proposed stages of construction (or if only staged operation is proposed, one (1) month prior to the commencement of operation of the first of the proposed stages of operation).	Prior to Commencement of Construction and Operation		ARTC / Service Provider	
A11	<p>The Staging Report must:</p> <p>a) if staged construction is proposed, set out how the construction of the whole of the CSSI will be staged, including details of work and other activities to be carried out in each stage and the general timing of when construction of each stage will commence and finish;</p> <p>(b) if staged operation is proposed, set out how the operation of the whole of the CSSI will be staged, including general details of work and other activities to be carried out in each stage and the general timing of when operation of each stage will commence and finish (if relevant);</p> <p>(c) specify how compliance conditions will be achieved across and between each of the stages of the CSSI; and</p> <p>(d) set out mechanisms for managing any cumulative impacts arising from the proposed staging.</p>	Prior to Commencement of Construction and Operation		ARTC / Service Provider	
A12	The CSSI must be staged in accordance with the Staging Report, as submitted to the Secretary.	Prior to Commencement of Construction and Operation		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
A13	Where staging is proposed, the terms of this approval that apply or are relevant to the works or activities to be carried out in a specific stage must be complied with at the relevant time for that stage.	Construction and Operations		ARTC / Service Provider	
A14	Where changes are proposed to the staging of construction or operation, a revised Staging Report must be prepared and submitted to the Secretary for information no later than one (1) month prior to the proposed change in the staging.	Prior to Commencement of Construction and Operation		ARTC / Service Provider	
ENVIRONMENTAL REPRESENTATIVE					
A15	Works must not commence until an Environment Representative (ER) has been approved by the Secretary and engaged by the Proponent	Prior to Commencement of Works		ARTC	
A16	The Secretary's approval of an ER must be sought no later than one (1) month before the commencement of works.	Prior to Commencement of Works		ARTC / Service Provider	
A17	The proposed ER must be a suitably qualified and experienced person who was not involved in the preparation of the EIS or Submissions Report, and is independent from the design and construction personnel for the CSSI.	Prior to Commencement of Works		ARTC / Service Provider	
A18	The Proponent may engage more than one ER for the CSSI, 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 Secretary for the purposes of the CSSI.	Prior to Commencement of Works		ARTC / Service Provider	
A19	For the duration of the works until the completion of construction, the approved ER must:	Duration of Works until the			

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	<p>(a) receive and respond to communication from the Secretary in relation to the environmental performance of the CSSI;</p> <p>(b) consider and inform the Secretary on matters specified in the terms of this approval;</p> <p>(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 to the community;</p> <p>(d) review documents identified in Conditions in Conditions C1, C4 and C12 and any other documents that are identified by the Secretary, to ensure they are consistent with requirements in or under this approval and if so:</p> <p>(d) (i) make a written statement to this effect before submission of such documents to the Secretary (if those documents are required to be approved by the Secretary); or</p> <p>(d) (ii) make a written statement to this effect before the implementation of such documents (if those documents are required to be submitted to the Secretary / Department for information or are not required to be submitted to the Secretary/Department);</p> <p>(e) regularly monitor the implementation of the documents listed in Conditions C1, C4 and C12 to ensure implementation is being carried out in accordance with the document and the terms of this approval;</p> <p>(f) as may be requested by the Secretary, help plan, attend or undertake audits of the development commissioned by the Department including scoping audits, programming audits, briefings and site visits, but not independent environmental audits required under Condition A32 of this approval;</p>	completion of construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	<p>(g) as may be requested by the Secretary, assist the Department in the resolution of community complaints;</p> <p>(h) assess the impacts of minor ancillary facilities comprising lunch sheds, office sheds, material lay down sites, areas used to assemble culverts and turnouts, and portable toilet facilities as required by Condition C21 of this approval;</p> <p>(h) (i) prepare and submit to the Secretary and other relevant regulatory agencies, for information, an Environmental Representative Monthly Report providing the information set out in the <i>Environmental Representative Protocol</i> under the heading "Environmental Representative Monthly Reports." The Environmental Representative Monthly Report must be submitted within seven (7) calendar days following the end of each month for the duration of the ER's engagement for the CSSI; and</p> <p>(j) consider any minor amendments to be made to the CEMP, CEMP Sub-plans and monitoring programs that comprise updating or are of an administrative nature, and are consistent with the terms of this approval and the CEMP, CEMP Sub-plans and monitoring programs approved by the Secretary and, if satisfied such amendment is necessary, approve the amendment. This does not include any modifications to the terms of this approval;</p>				
A20	<p>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 A19 (including preparation of the ER monthly report), as well as:</p> <p>(a) the complaints register (to be provided on a weekly basis); and</p>	Construction		ARTC / Service Provider	
	<p>(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).</p>	Prior to commencement of subject work		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
A21	The Secretary may at any time commission an audit of an ER's exercise of its functions under Condition A19 . The Proponent must:	Construction		ARTC / Service Provider	
	(a) facilitate and assist the Secretary in any such audit; and				
	(b) make it a term of their engagement of an ER that the ER facilitate and assist the Secretary in any such audit.				
COMPLIANCE TRACKING PROGRAM					
A22	A Compliance Tracking Program to monitor compliance with the terms of this approval must be prepared, taking into consideration any staging of the CSSI that is proposed in a Staging Report submitted in accordance with Condition A10 and Condition A11 of this approval.	Prior to Commencement of Works		ARTC / Service Provider	
A23	The Compliance Tracking Program must be endorsed by the ER and then submitted to the Secretary for information at least one (1) month prior to the commencement of works.	Prior to Commencement of works		ARTC / Service Provider	
A24	The Compliance Tracking Program in the form required under Condition A22 of this approval must be implemented for the duration of construction and for a minimum of one (1) year following commencement of operation, or for a longer period as determined by the Secretary based on the outcomes of independent environmental audits, Environmental Representative Monthly Reports and regular compliance reviews submitted through Compliance Reports. If staged operation is proposed, or operation is commenced of part of the CSSI, the Compliance Tracking Program must be implemented for the relevant period for each stage or part of the CSSI.	Construction and first year of Operations		ARTC / Service Provider	
CONSTRUCTION COMPLIANCE REPORTING					

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
A25	A Pre-Construction Compliance Report must be prepared and submitted to the Secretary for information no later than one (1) month before the commencement of construction (or each stage of construction identified in the Staging Report).	Prior to Commencement of Construction		ARTC / Service Provider	
A26	The Pre-Construction Compliance Report must include: (a) details of how the terms of this approval that must be addressed before the commencement of construction have been complied with: and (b) the proposed commencement date for construction.	Prior to Commencement of Construction		ARTC / Service Provider	
A27	Construction must not commence until the Pre-Construction Compliance Report has been submitted to the Secretary.	Prior to Commencement of Construction		ARTC / Service Provider	
A28	Construction Compliance Reports must be prepared and submitted to the Secretary for information every six (6) months from the date of the commencement of construction, for the duration of construction. The Construction Compliance Reports must include: (a) a summary of the project activities that occurred during the reporting period; (b) a results summary and analysis of environmental monitoring; (c) the number of any complaints received, including a summary of main areas of complaint, action taken, response given and proposed strategies for reducing the recurrence of such complaints;	Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	<p>(d) details of any review of, and minor amendments made to, the CEMP as a result of construction carried out during the reporting period;</p> <p>(e) a register of any consistency assessments undertaken and their status;</p> <p>(f) results of any independent environmental audits carried out in accordance with Conditions A32 to A35 and details of any actions taken in response to the recommendations of an audit;</p> <p>(g) a summary of all incidents notified in accordance with Condition A36 and Condition A39 of this approval; and</p> <p>(h) a compliance status summary for the reporting period including details of any non-compliances with the terms of this approval.</p>				
A29	The Department must be notified in writing to compliance@planning.nsw.gov.au within seven (7) days after the Proponent becomes aware of any non-compliance. The notification must identify the project and the application number for it, set out the condition of consent that the project is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance.	Duration of Works		ARTC / Service Provider	
PRE-OPERATION COMPLIANCE REPORT					
A30	<p>A Pre-Operation Compliance Report must be prepared and submitted to the Secretary for information no later than one (1) month before the commencement of operation. The Pre-Operation Compliance Report must include:</p> <p>(a) details of how the terms of this approval that must be addressed before the commencement of operation have been complied with; and</p>	Prior to Operations		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	(b) the commencement date for operation.				
A31	Operation must not commence until the Pre-Operation Compliance Report has been submitted for information to the Secretary.	Prior to Operations		ARTC / Service Provider	
AUDITING					
A32	An Environmental Audit Program for annual independent environmental auditing against the terms of this approval must be prepared in accordance with <i>AS/NZS ISO 19011:2014 - Guidelines for Auditing Management Systems</i> and submitted to the Secretary for information no later than one (1) month before the commencement of construction.	Prior to Commencement of Construction		ARTC / Service Provider	
A33	The Environmental Audit Program, as submitted to the Secretary, must be implemented and complied with for the duration of construction and for the first two years of operation.	Construction and first two years of Operations		ARTC / Service Provider	
A34	All independent environmental audits of the CSSI must be conducted by a suitably qualified, experienced and independent team of experts in auditing and be documented in an Environmental Audit Report which: <ul style="list-style-type: none"> (a) assesses the environmental performance of the CSSI, and its effects on the surrounding environment; (b) assesses whether the project is complying with the terms of this approval; and (c) recommends measures or actions to improve the environmental performance of the CSSI. 	Construction and first two years of Operations		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
A35	The Proponent must submit a copy of the Environmental Audit Report to the Secretary with a response to any recommendations contained in the audit report within six (6) weeks of completing the audit.	Construction and first two years of Operations		ARTC / Service Provider	
INCIDENT NOTIFICATION AND REPORTING					
A36	The Department must be advised in writing to compliance@planning.nsw.gov.au immediately after the Proponent becomes aware of an incident and in any event within 24 hours of the Proponent becoming aware of any incident. The notification must identify the CSSI, including the application number and the name of the CSSI.	Duration of Works		ARTC / Service Provider	
A37	Notification of an incident under Condition A36 of this approval, must include the time and date of the incident and details of the incident.	Duration of Works		ARTC / Service Provider	
A38	All written requirements of the Secretary which may be given at any point in time, to address the cause or impact of an incident reported under with Condition A36 must be complied with within any timeframe specified by the Secretary.	Duration of Works		ARTC / Service Provider	
A39	If statutory notification is given to the EPA as required under the POEO Act, such notification must also be provided to Secretary within 24 hours after the notification was given to the EPA.	Duration of Works		ARTC / Service Provider	
PART B - COMMUNITY INFORMATION AND REPORTING					
COMMUNITY INFORMATION, CONSULTATION AND INVOLVEMENT					

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
B1	A Communication Strategy must be prepared to facilitate communication between the Proponent, and the community (including relevant councils, government authorities, adjoining affected landowners and businesses, and others directly impacted by the CSSI).	Prior to commencement of works		ARTC / Service Provider	
B2	<p>The Communication Strategy must:</p> <p>(a) identify people and organisations to be consulted during works;</p> <p>(b) set out procedures and mechanisms for the regular distribution of accessible information about or relevant to the CSSI;</p> <p>(c) identify opportunities to provide accessible information regarding regularly updated site construction activities, schedules and milestones at each construction ancillary facility and at construction sites located adjacent to town centres;</p> <p>(d) consider opportunities for the community to visit construction sites (taking into consideration workplace, health and safety requirements);</p> <p>(e) provide for the formation of issue or location-based community forums that focus on key environmental management issues of concern to the relevant community(ies) for the CSSI;</p> <p>(f) set out the procedures and mechanisms for consulting with relevant councils and government authorities required by Condition A5, including procedures for repeated requests and nil responses;</p> <p>(g) describe the method for broadcasting the 24-hour toll-free telephone complaints number and postal and email addresses for enquiries, as required by Condition B10;</p>	Prior to commencement of works		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	(h) set out procedures and mechanisms:				
	(h) (i) through which the community can discuss or provide feedback to the Proponent;				
	(h) (ii) through which the Proponent will respond to enquiries or feedback from the community; and				
	(h) (iii) to resolve any issues and mediate any disputes that may arise in relation to environmental management and delivery of the CSSI.				
B3	The Communication Strategy must be submitted to the Secretary for approval no later than one (1) month before the commencement of any work.	Prior to commencement of works		ARTC	
B4	Work for the purposes of the CSSI must not commence until the Communication Strategy has been approved by the Secretary.	Prior to commencement of works		ARTC / Service Provider	
B5	The Communication Strategy, as approved by the Secretary, must be implemented for the duration of the works and for six (6) months following the completion of construction.	Construction and first six months of Operation		ARTC / Service Provider	
COMPLAINTS MANAGEMENT SYSTEM					
B6	A Complaints Management System must be prepared prior to the commencement of any works in respect of the CSSI and be implemented and maintained for the duration of construction and for a minimum for six (6) months following completion of construction of the CSSI.	Prior to commencement of works		ARTC	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
B7	<p>The Complaints Management System must include a Complaints Register to be maintained recording information on all complaints received about the CSSI during the carrying out of any works associated with the CSSI and for a minimum of six (6) months following the completion of construction of the CSSI. The Complaints Register must record the:</p> <p>(a) number of complaints received;</p> <p>(b) number of people affected in relation to a complaint; and</p> <p>(c) the nature of each complaint and means by which the complaint was addressed and whether and how resolution was reached.</p>	Construction and first six months of Operation		ARTC / Service Provider	
B8	The Complaints Register must be provided to the Secretary upon request, within the timeframe stated in the request.	Construction and first six months of Operation		ARTC / Service Provider	
B9	<p>The following facilitates must be available within one (1) month prior to the commencement of works and for six (6) months following the completion of construction of the CSSI and appropriately broadcast to collect and manage community enquiries and complaints:</p> <p>(a) a 24 hour toll-free telephone number for the registration of complaints and enquiries about the CSSI;</p> <p>(b) a postal address to which written complaints and enquires may be sent;</p> <p>(c) an email address to which electronic complaints and enquiries may be transmitted; and</p> <p>(d) a system for managing unresolved complaints.</p>	Construction and first six months of Operation		ARTC	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	<i>Note: The telephone number must be manned and not automatically divert to a message bank.</i>				
B10	The method for broadcasting the information required by Condition B9 must be detailed in the Communication Strategy required by Condition B1 . This information must also be provided on the website required under Condition B11 of this approval.	Prior to commencement of works		ARTC / Service Provider	
PROVISION OF ELECTRONIC INFORMATION					
B11	<p>A website providing information in relation to the CSSI must be established before commencement of works and maintained for the duration of works, and for a minimum of 12 months following the completion of construction of the CSSI or other timeframe as agreed with the Secretary. The following up-to-date information (excluding confidential, private and commercial information) must be published prior to the works commencing and maintained on the website or dedicated pages:</p> <p>(a) information on the current implementation status of the CSSI and monthly updates on proposed works to be undertaken in the upcoming month;</p> <p>(b) a copy of the documents listed in Condition A1 of this approval, and any documentation relating to any modifications made to the CSSI or the terms of this approval;</p> <p>(c) a copy of this approval in its original form, a current consolidated copy of this approval (that is, including any approved modifications to its terms), and copies of any approval granted by the Minister to a modification of the terms of this approval; and</p> <p>(d) a copy of the EPL, EPBC approval, any licences and approvals under the <i>Water Management Act 2000</i>, and any approvals to close level crossings.</p>	Prior to commencement of works		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	Where a condition(s) of this approval requires a document(s) to be prepared prior to a work or construction or operational activity being undertaken, a current copy of the relevant document(s) must also be published on the website before the work / activity is undertaken				
PART C - CONSTRUCTION ENVIRONMENTAL MANAGEMENT					
CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN					
C1	A Construction Environmental Management Plan (CEMP) must be prepared in accordance with the Department’s <i>Guideline for the Preparation of Environmental Management Plans</i> (DIPNR, 2004) to detail how the performance outcomes, commitments and mitigation measures specified in the documents listed in the EIS and Submissions Report will be implemented and achieved during all stages of construction.	Prior to Commencement of Construction		ARTC / Service Provider	
C2	<p>The CEMP must provide:</p> <p>(a) a description of activities to be undertaken during construction (including the indicative scheduling of construction, and details on the layout and activities to be undertaken at each major construction ancillary facility);</p> <p>(b) details of environmental policies, guidelines and principles to be followed in the construction of the CSSI;</p> <p>(c) a schedule for compliance auditing;</p> <p>(d) a program for ongoing analysis of the key environmental risks arising from the activities described in subsection (a) of this condition, including an initial risk assessment undertaken before the commencement of construction of the CSSI;</p>	Prior to Commencement of Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	<p>(e) details of how the activities described in subsection (a) of this condition will be carried out to:</p> <p>(e)(i) meet the performance outcomes stated in the EIS and Submissions Report; and</p> <p>(e)(ii) manage the risks identified in the risk analysis undertaken in subsection (d) of this condition;</p> <p>(f) an inspection program detailing the activities to be inspected and frequency of inspections;</p> <p>(g) a protocol for managing and reporting any:</p> <p>(g)(i) incidents; and</p> <p>(g)(ii) non-compliances with this approval and with statutory requirements;</p> <p>(h) procedures for rectifying any non-compliance with this approval identified during compliance auditing, incident management or at any time during construction;</p> <p>(i) a list of all the CEMP Sub-plans required in respect of construction, as set out in Condition C4. Where staged construction of the CSSI is proposed, the CEMP must also identify which CEMP Sub-plan applies to each of the proposed stages of construction;</p> <p>(j) a description of the roles and environmental responsibilities for relevant employees and their relationship with the ER;</p>				

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	(k) for training and induction for employees, including contractors and sub-contractors, in relation to environmental and compliance obligations under the terms of this approval; and (l) for periodic review and update of the CEMP and all associated plans and programs.				
C3	The CEMP must be endorsed by the ER and then submitted to the Secretary for approval no later than one (1) month before the commencement of construction or where construction is staged, no later than one (1) month before the commencement of that stage.	Prior to Commencement of Construction		ARTC / Service Provider	
C4	The following CEMP Sub-plans must be prepared in consultation with the relevant government agencies and relevant councils identified for each CEMP Sub-plan and be consistent with the CEMP referred to in the EIS.	Prior to Commencement of Construction		ARTC / Service Provider	
C4	Table 1: Required CEMP Sub-plans			ARTC / Service Provider	
C5	The CEMP Sub-plans must state how: (a) the environmental performance outcomes identified in the EIS and Submissions Report, as modified by these conditions, will be achieved; (b) the mitigation measures identified in the EIS and Submissions Report, as modified by these conditions will be implemented; (c) the relevant terms of this approval will be complied with; and (d) issues requiring management during construction, as identified through ongoing environmental risk analysis, will be managed.	Prior to Commencement of Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
C6	The CEMP Sub-plans must be endorsed by the ER and then submitted to the Secretary for approval no later than one (1) month before the commencement of the construction activities to which they apply.	Prior to Commencement of Construction		ARTC / Service Provider	
C7	Any of the CEMP Sub-plans may be submitted to the Secretary along with, or subsequent to, the submission of the CEMP.	Prior to Commencement of Construction		ARTC / Service Provider	
C8	<p>The Flora and Fauna Management Sub-plan must include:</p> <p>(a) a weed management plan;</p> <p>(b) a hygiene protocol which includes best-practice management measures for the prevention of contamination by pathogens, non-indigenous regenerative plant material and seed. The protocol must apply to the movement of all tools, vehicles, machinery and personnel; and</p> <p>(c) measures to protect EPBC listed threatened species and ecological communities.</p>	Prior to Commencement of Construction		ARTC / Service Provider	
C9	<p>The Construction Heritage Management Sub-plan must include:</p> <p>(a) identification of the Aboriginal objects that must be avoided and the protective measures to be put in place;</p> <p>(b) procedures for salvaging and safe keeping the Aboriginal objects identified in Chapter 17 of the EIS and their long-term management;</p> <p>(c) measures to prevent vibration and direct impacts to Wyanga Cottage; and</p> <p>(d) an Unexpected Heritage Finds and Human Remains Procedure prepared by a suitably qualified and experienced heritage specialist.</p>	Prior to Commencement of Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	<p>The Proponent must consult with the Registered Aboriginal Parties in the development of the sub-plan with respect to Aboriginal objects.</p> <p><i>Note: Human remains that are found unexpectedly during works are under the jurisdiction of the NSW State Coroner and must be reported to the NSW Police immediately.</i></p>				
C10	The Construction Hazardous and Contaminated Materials Management Sub-plan must include an unexpected finds protocol which outlines the activities that would be undertaken should previously undetected soil contamination be identified.	Prior to Commencement of Construction		ARTC / Service Provider	
C11	The Flood Emergency Management Sub-plan must include measures for managing flood risks during construction and address flood recovery.	Prior to Commencement of Construction		ARTC / Service Provider	
C12	Construction must not commence until the CEMP and all CEMP Sub-plans have been approved by the Secretary. The CEMP and CEMP Sub-plans, as approved by the Secretary, including any minor amendments approved by the ER, must be implemented for the duration of construction. Where the CSSI is being staged, construction of that stage is not to commence until the relevant CEMP and sub-plans have been endorsed by the ER and approved by the Secretary.	Prior to Commencement of Construction		ARTC / Service Provider	
CONSTRUCTION MONITORING PROGRAMS					
C13	The following Construction Monitoring Programs must be prepared in consultation with the relevant government agencies and relevant councils identified for the Construction Monitoring Programs to compare actual performance of construction of the CSSI against performance predicted performance.	Prior to Commencement of Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	Table 2: Construction Monitoring Programs				
C14	Each Construction Monitoring Program must provide: (a) details of baseline data available; (b) details of baseline data to be obtained and when; (c) details of all monitoring of the project to be undertaken; (d) the parameters of the project to be monitored; (e) the frequency of monitoring to be undertaken; (f) the location of monitoring; (g) the reporting of monitoring and analysis results against relevant criteria; (h) procedures to identify and implement additional mitigation measures where results of monitoring are unsatisfactory; and (i) any consultation to be undertaken in relation to the monitoring programs.	Prior to Commencement of Construction		ARTC / Service Provider	
C15	The Construction Monitoring Programs must be endorsed by the ER and then submitted to the Secretary for approval at least one (1) month before commencement of construction.	Prior to Commencement of Construction		ARTC / Service Provider	
C16	A construction activity must not commence until the Secretary has approved all of the required Construction Monitoring Programs relevant to that activity, and all the necessary baseline data for the monitoring program has been collected.	Prior to Commencement of Activity		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
C17	The Construction Monitoring Programs, as approved by the Secretary including any minor amendments approved by the ER, must be implemented for the duration of construction and for any longer period set out in the monitoring program or specified by the Secretary, whichever is the greater.	Construction		Service Provider	
C18	The results of the Construction Monitoring Programs must be submitted to the Secretary, and relevant government agencies and councils, for information in the form of a Construction Monitoring Report at the frequency identified in the relevant Construction Monitoring Program.	Construction		ARTC / Service Provider	
C19	Where a relevant CEMP Sub-plan exists, the relevant Construction Monitoring Program may be incorporated into that CEMP Sub-plan.	Prior to Commencement of Construction		ARTC / Service Provider	

CONSTRUCTION ANCILLARY FACILITIES

Major Construction Ancillary Facilities

C20	Construction ancillary facilities must meet the following criteria, unless otherwise approved by the Secretary:	Construction		ARTC / Service Provider	
	(a) the facility is development of a type that would, if it were not for the purpose of the CSSI, otherwise be exempt or complying development; or				
	(b) the facility is located as follows:				
	(b)(i) at least 50 metres from any waterway unless an erosion and sediment control plan is prepared and implemented so as not to affect water quality in the waterway in accordance with Managing Urban Stormwater series;				

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	(b) (ii) on lands as identified as “indicative compound locations” in Figures 8.2a to 8.2f of the EIS;				
	(b) (iii) so as to prevent heavy vehicles travelling on local streets or through residential areas in order to access the facility, except as identified in the EIS and amended by the Submissions Report;				
	(b) (iv) so as not to require vegetation clearing beyond the extent of clearing approved under other terms of this approval except as approved by the ER as minor clearing;				
	(b) (v) so as to not to directly impact on threatened species or their habitat or threatened ecological communities beyond the impacts identified, assessed and approved under other terms of this approval;				
	(b) (vi) so as not to have any impact on heritage items (including areas of archaeological sensitivity) beyond the impacts identified, assessed and approved under other terms of this approval;				
	(b) (vii) so as not to unreasonably interfere with lawful uses of adjacent properties that are being carried out at the date upon which construction or establishment of the facility is to commence;				
	(b) (viii) to enable operation of the ancillary facility during flood events and to avoid or minimise, to the greatest extent practicable, adverse flood impacts on the surrounding environment and other properties and infrastructure; and				
	(b) (ix) so as to have sufficient area for the storage of raw materials to minimise, to the greatest extent practicable, the number of deliveries outside of standard work hours through areas which are within 500 metres of a residential receiver.				

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	Nothing in this condition prevents the landowner from refusing to allow the Proponent to use their land.				
Minor Construction Ancillary Facilities					
C21	<p>Minor construction ancillary facilities comprising lunch sheds, office sheds, material lay down sites, areas used to assemble culverts and turnouts, or portable toilet facilities, that are not identified in the EIS and Submissions must satisfy the following criteria:</p> <p>(a) be located within the rail corridor; and;</p> <p>(b) have been assessed by the ER to -</p> <p>(b) (i) have minimal amenity impacts to surrounding residences and businesses, after consideration of matters such as traffic and access impacts, dust and odour impacts, and visual (including light spill) impacts,</p> <p>(b) (ii) comply with the “noise affected” management levels for residences and noise management levels for other sensitive land uses in the Interim Construction Noise Guideline (DECC, 2009),</p> <p>(b) (iii) have minimal environmental impact with respect to waste management; and</p> <p>(b) (iv) result in no impacts on biodiversity, soil and water, flooding and heritage items beyond those already approved under other terms of this approval.</p>	Construction		ARTC / Service Provider	
Site Establishment Management Plan for Major Construction Ancillary Facilities					

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
C22	<p>Before establishment of any construction ancillary facility that satisfies the criteria in Condition C20, the Proponent must prepare a Site Establishment Management Plan which outlines the environmental management practices and procedures to be implemented for the establishment of the construction ancillary facility(ies) The Site Establishment Management Plan must be prepared in consultation with the relevant council(s) and submitted to the Secretary for approval one (1) month prior to installation of ancillary facilities. The Site Establishment Management Plan must detail the establishment of the construction ancillary facilities and include:</p> <p>(a) a description of activities to be undertaken during establishment of the construction ancillary facility (including indicative scheduling and duration of works to be undertaken at the site);</p> <p>(b) a program for ongoing analysis of the key environmental risks arising from the site establishment activities described in subsection (a) of this condition, including an initial risk assessment undertaken prior to the commencement of site establishment works; and</p> <p>(c) details of how the site establishment activities described in subsection (a) of this condition will be carried out to -</p> <p>(c) (i) meet the performance outcomes stated in the EIS and Submissions Report, and</p> <p>(c)(ii) manage the risks identified in the risk analysis undertaken in subsection (b) of this condition; and</p> <p>(d) a program for monitoring the performance outcomes, including a program for noise monitoring during site establishment consistent with the requirements of Conditions C13 and C14.</p>	Prior to Installation of Major Construction Ancillary Facilities		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	Nothing in this condition prevents the Proponent from preparing individual Site Establishment Management Plans for each construction ancillary facility.				
	This condition does not apply to minor construction ancillary facilities as defined in Condition C21 .				
Operation of Construction Ancillary Facilities					
C23	The operation of a construction ancillary facility must not commence until the CEMP required by Condition C1 , relevant CEMP Sub-plans required by Condition C4 and relevant Construction Monitoring Programs required by Condition C13 have been approved by the Secretary.	Prior to Commencement of Construction		ARTC / Service Provider	
Access to Construction Ancillary Facilities					
C24	Where possible, construction ancillary facilities must be accessed via existing public roads. Where this is not possible, the Proponent may utilise existing private access tracks on private property but only with the permission of the landowner. The Proponent must consult with each landowner whose property is required for access and agree on the terms and conditions relating to access arrangements. Nothing in this condition prevents the landowner from refusing the Proponent access to and via their land. New construction access tracks on private property must comply with the requirements of Condition C20(b)(i), (iv), (v), (vi) and (vii) .	Construction		ARTC / Service Provider	
C25	The Proponent must ensure that all roads / tracks that will be utilised to access construction ancillary facilities are to the standard necessary to provide all-weather access, including a trafficable surface suitable to accommodate heavy the type of vehicle movements that are anticipated to be associated with the construction of the CSSI	Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
Boundary Fencing and Screening					
C26	Boundary fencing that incorporates screening must be erected around all construction ancillary facilities that are within 500 metres of sensitive land uses for the duration of the use of the construction ancillary facility unless otherwise agreed with the affected landowners and/or tenants and adjacent landowners.	Construction		ARTC / Service Provider	
C27	Boundary fencing around construction ancillary facilities and required under Condition C26 of this approval must aim to minimise visual and noise impacts on adjacent landowners, and emission of nuisance dust beyond the facility boundary.	Construction		ARTC / Service Provider	
PART D - OPERATIONAL ENVIRONMENTAL MANAGEMENT					
OPERATIONAL ENVIRONMENTAL MANAGEMENT					
D1	An Operational Management Plan (OEMP) must be prepared in accordance with the Guideline for the Preparation of Environmental Management Plans (DIPNR, 2004) to detail how the performance outcomes, commitments and mitigation measures made and identified in the EIS and Submissions Report will be implemented and achieved during operation. This condition (Condition D1) does not apply if Condition D2 of this approval applies.	Prior to Operations		ARTC / Service Provider	
D2	An OEMP is not required for the CSSI if the Proponent has an Environmental Management System (EMS) or equivalent as agreed with the Secretary, and can demonstrate, to the written satisfaction of the Secretary, that through the EMS: (a) the performance outcomes, commitments and mitigation measures, made and identified in the EIS and Submissions Report, and terms of this of approval can be achieved;	Prior to Operations		ARTC	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	(b) issues identified through ongoing risk analysis can be managed; and (c) procedures are in place for rectifying any non-compliance with this approval identified during compliance auditing, incident management or any other time during operation.				
D3	The performance measures and mitigation measures detailed in the OEMP must address the maintenance of culverts with respect to blockages, siltation and scouring.	Prior to Operations		ARTC	
D4	The OEMP or EMS (or equivalent) as agreed with the Secretary must be submitted to the Secretary for information at least one (1) month prior to the commencement of operation of the CSSI.	Prior to Operations		ARTC	
PART E - KEY ISSUE CONDITIONS					
NOISE AND VIBRATION					
Standard Work Hours					
E1	Works must be undertaken during the following hours: (a) 7:00 am to 6:00 pm Mondays to Fridays; (b) 8:00 am to 1:00 pm Saturdays; and (c) at no time on Sundays or public holidays.	Construction		ARTC / Service Provider	
E2	Notwithstanding Condition E1 , works affecting any one receiver may be undertaken during the hours of 6.00 am to 6.00 pm each day over a three (3)	Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	month period provided that there is no work between the hours of 1:00 pm on a Saturday and 7:00 am on a Monday every alternate week.				
E3	<p>Notwithstanding Conditions E1 and E2, works associated with the CSSI may be undertaken outside the hours specified under those conditions in the following circumstances:</p> <p>(a) for the delivery of materials required by the NSW Police Force or other authority for safety reasons; or</p> <p>(b) where it is required in an emergency to avoid injury or the loss of life, to avoid damage or loss of property or to prevent environmental harm; or</p> <p>(c) where different construction hours are permitted under an EPL in force in respect of the CSSI; or</p> <p>(d) where a negotiated agreement is in force, in accordance with Condition E4 and E5; or</p> <p>(e) construction that causes $L_{Aeq(15\text{ minute})}$ noise levels:</p> <p>(e)(i) no more than 5 dB(A) above the rating background level at the façade of any residence in accordance with the <i>Interim Construction Noise Guideline</i> (DECC, 2009) or if between the hours of 10:00 pm and 7:00 am no more than 52 dB(A) or more than 15 dB(A)_{LA(Max)} above the rating background level whichever is the higher, and</p> <p>(e) (ii) no more than the noise management levels specified in Table 3 of the <i>Interim Construction Noise Guideline</i> (DECC, 2009) at other sensitive land uses, and</p>	Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	(e)(iii) continuous or impulsive vibration values, measured at the most affected residence are no more than those for human exposure to vibration, specified in Table 2.2 of <i>Assessing Vibration: a technical guideline</i> (DEC, 2006), and (e)(iv) intermittent vibration values measured at the most affected residence are no more than those for human exposure to vibration, specified in Table 2.4 of <i>Assessing Vibration: a technical guideline</i> (DEC, 2006).				
E4	The Proponent may reach negotiated agreements with sensitive receivers (owners and occupiers) to carry out works in accordance with the hours and noise limits specified in the negotiated agreements	Prior to commencement of works		ARTC / Service Provider	
E5	All negotiated agreements must be in writing and finalised before the commencement of works.	Prior to commencement of works		ARTC / Service Provider	
E6	On becoming aware of the need for emergency works in accordance with Condition E3(b) , the Proponent must notify the Department in writing to compliance@planning.nsw.gov.au , ER and the EPA of the need for that work. The Proponent must use best endeavours to notify all affected sensitive receivers of the likely impact and duration of those works.	Construction		ARTC / Service Provider	
E7	Except as permitted by an EPL, activities resulting in impulsive or tonal noise emissions must only be undertaken: (a) between the hours of 8:00 am to 6:00 pm Monday to Friday; (b) between the hours of 8:00 am to 1:00 pm Saturday; and (c) in continuous blocks not exceeding three hours each with a minimum respite from those activities and works of not less than one hour between each block.	Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	For the purpose of this condition, 'continuous' includes any period during which there is less than a one hour respite between ceasing and recommencing any works that are the subject of this condition.				
Construction Vibration					
E8	<p>Mitigation measures must be implemented with the aim of achieving the following construction noise management levels and vibration criteria:</p> <p>(a) construction 'Noise affected' noise management levels established using the <i>Interim Construction Noise Guideline</i> (DECC, 2009);</p> <p>(b) vibration criteria established using the <i>Assessing Vibration: A Technical Guideline</i> (DEC, 2006) (for human exposure);</p> <p>(c) Australian Standard AS 2187.2 - 2006 "<i>Explosives - Storage and Use - Use of Explosives</i>";</p> <p>(d) BS 7385 Part 2-1993 "<i>Evaluation and measurement for vibration in buildings Part 2</i>" as they are "applicable to Australian conditions"; and</p> <p>(e) the vibration limits set out in the <i>German Standard DIN 4150-3: Structural Vibration- effects of vibration on structures</i> (for structural damage).</p> <p>Any works identified as exceeding the noise management levels and/or vibration criteria must be managed in accordance with the Construction Noise and Vibration Management Sub-plan required by Condition C4(b).</p> <p><i>Note: The Interim Construction Noise Guideline identifies 'particularly annoying' activities that require the addition of 5 dB(A) to the predicted level before comparing to the construction Noise Management Level.</i></p>	Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
E9	Owners and occupiers of properties at risk of exceeding the screening criteria for cosmetic damage must be notified before construction that generates vibration commences in the vicinity of those properties. If the potential exceedance is to occur more than once or extend over a period of 24 hours, owner and occupiers are to be provided a schedule of potential exceedances for the duration of the potential exceedances, unless otherwise agreed by the owner and occupier. These properties must be identified and considered in the Construction Noise and Vibration Management Sub-plan required by Condition C4(b) .	Construction		ARTC / Service Provider	
E10	This approval does not permit blasting.	Duration of Works		ARTC / Service Provider	
Operational Noise Management					
E11	<p>The Proponent must prepare an Operational Noise and Vibration Review (ONVR) to confirm noise and vibration control measures that would be implemented for the operation of the CSSI. The ONVR must be prepared in consultation with the EPA and impacted sensitive receivers. Where barrier options (e.g. noise walls or mounds) are proposed to be implemented, consultation must also be undertaken with the relevant councils. The ONVR must:</p> <p>(a) confirm the appropriate operational noise and vibration objectives and levels for adjoining development, including existing sensitive receivers;</p> <p>(b) confirm the operational noise and vibration predictions based on the final design. Confirmation must be based on an appropriately calibrated noise model (which has incorporated additional noise monitoring, and concurrent traffic counting, where necessary for calibration purposes).</p>	Prior to Commencement of Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	<p>(c) identify sensitive receivers at which the criteria set out in the <i>Rail Infrastructure Noise Guideline</i> (EPA, 2013) are predicted to be exceeded once the CSSI is operational and in 2040;</p> <p>(d) review the suitability of the operational noise mitigation measures identified in the EIS and Submissions Report and, where necessary, investigate and identify additional feasible and reasonable noise and vibration mitigation measures required to achieve the noise criteria outlined in the <i>Rail Infrastructure Noise Guideline</i>;</p> <p>(e) describe the final suite of noise and vibration mitigation measures that will be implemented, including the timing of implementation in accordance with Condition E12;</p> <p>(f) include a consultation strategy to seek feedback from directly affected landowners on the noise and vibration mitigation measures; and</p> <p>(g) procedures for the management of operational noise and vibration complaints.</p> <p>The ONVR is to be verified by a suitably qualified and experienced noise and vibration expert. The ONVR is to be undertaken at the Proponent's expense and submitted to the Secretary for approval prior to construction commencing.</p>				
E12	Operational noise mitigation measures identified in Condition E11 (such as at-property architectural treatments) that will not be affected by construction works, must be implemented within six (6) months of the commencement of construction, or at other times during construction to minimise construction noise impacts, unless an alternative timeframe is agreed by the Secretary.	Implemented within six months of commencement of construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
E13	<p>Within 12 months of, and at 10 years after, the commencement of operation of the CSSI, the Proponent must undertake monitoring of operational noise to compare actual noise performance of the CSSI against the noise performance predicted in the review of noise mitigation measures required by Condition E11. The Proponent must prepare an Operational Noise Compliance Report (ONCR) to document this monitoring. The Report must include, but not necessarily be limited to:</p> <p>(a) noise monitoring to assess compliance with the operational noise levels predicted in the review of operational noise mitigation measures required under Condition E11;</p> <p>(b) methodology, location and frequency of noise monitoring undertaken, including monitoring sites at which CSSI noise levels are ascertained, with specific reference to locations indicative of impacts on sensitive receivers;</p> <p>(c) details of any complaints and enquiries received in relation to operational noise generated by the CSSI between the date of commencement of operation and the date the report was prepared;</p> <p>(d) any required recalibrations of the noise model taking into consideration factors such as noise monitoring and actual train movements;</p> <p>(e) an assessment of the performance and effectiveness of applied noise mitigation measures together with a review and if necessary, reassessment of mitigation measures; and</p> <p>(f) identification of additional measures to those identified in the review of noise mitigation measures required by Condition E11, that would be implemented with the objective of meeting the criteria outlined in the Rail Infrastructure Noise Guideline, when these measures would be implemented and how their effectiveness would be measured and reported to the Secretary and the EPA.</p>	Operations		ARTC	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	The ONCR is to be verified by a suitably qualified and experienced noise and vibration expert. The ONCR must be submitted to the Secretary and the EPA for information within 60 days of completing the operational noise monitoring.				
BIODIVERSITY					
E14	Any works associated with the CSSI must limit the clearing of native vegetation to the greatest extent practicable.	Duration of Works		ARTC / Service Provider	
E15	Impacts to plant community types must not exceed those identified in the EIS and as amended by the Addendum to the <i>Inland Rail – Parkes to Narromine Biodiversity Assessment Report comprising vegetation mapping amendments and inclusion of temporary impacts</i> (Umwelt, dated 12 April 2018).	Construction		ARTC / Service Provider	
E16	<p>The Proponent must prepare and submit to the Secretary a Biodiversity Offset Strategy in accordance with the <i>Framework for Biodiversity Assessment – NSW Biodiversity Offsets Policy for Major Projects</i>, for the retirement of ecosystem and species credits as set out in Table 3. The Strategy must be prepared in consultation with OEH, and submitted to the Secretary for approval within 12 months of the commencement of construction.</p> <p>Table 3: Biodiversity Credits to be Retired</p> <p>Note: Credits have been calculated using the Framework for Biodiversity Assessment.</p>	Construction		ARTC / Service Provider	
E17	Plant community types that provide habitat for impacted EPBC Act threatened species must be retired in a manner that achieves “like-for-like” habitat for the species.	Construction		ARTC	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
E18	The Proponent may review and update the ecosystem and species credit requirements in Table 3 to reflect the final impact zone and resulting extent and type of plant community types to be cleared. Amendments to the ecosystem and species credit requirements must be undertaken in consultation with OEH and approved by the Secretary.	Construction		ARTC	
E19	<p>The review and update of credit requirements must be undertaken by:</p> <p>(a) using the vegetation mapping identified in the <i>Addendum to the Inland Rail – Parkes to Narromine Biodiversity Assessment Report</i> (letter from Umwelt dated 12 April 2018); and/or</p> <p>(b) completing verification surveys to confirm the extent, type and condition of native vegetation to be impacted</p> <p>Where verification surveys are undertaken, they must be in accordance with the <i>Framework for Biodiversity Assessment – NSW Biodiversity Offsets Policy for Major Projects</i>. Any additional surveys must be undertaken at the time of year when the groundcover is most likely to be predominantly native.</p>	Construction		ARTC	
E20	<p>Within 12 months of the approval of the Biodiversity Offset Strategy, or within another timeframe agreed to by the Secretary, the Proponent must retire the biodiversity credits. The retirement of the biodiversity credits must be carried out in accordance with the <i>NSW Biodiversity Offsets Policy for Major Projects</i> and can be achieved by:</p> <p>(a) acquiring and retiring “biodiversity credits” within the meaning of the <i>Biodiversity Conservation Act 2016</i>;</p> <p>(b) making payments an offset fund that has been developed by the NSW Government;</p>	Construction		ARTC	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	<p>(c) providing supplementary measures.</p> <p><i>Note. Following repeal of the Threatened Species Conservation Act 1995 on 25 August 2017, "biodiversity credits" created under that Act are taken to be "biodiversity credits" under the Biodiversity Conservation Act 2016 by virtue of clause 19 of the Biodiversity Conservation (Savings and Transitional) Regulation 2017</i></p>				
FLOODING					
E21	<p>Further flood modelling based on the detailed design of the CSSI must be undertaken for flood impacts (including downstream impacts of the CSSI). The results of the modelling must be detailed in a Flood Design Report. The Flood Design Report must be prepared in consultation with OEH and the relevant councils and include:</p> <p>(a) the results of the downstream flood assessment for the 5 year ARI event, 20 year ARI event, 100 year ARI event and probable maximum flood;</p> <p>(b) provide consideration of the consequences of extreme flood events greater than the 100 year ARI event;</p> <p>(c) flood height changes to a resolution no coarser than one (1) centimetre;</p> <p>(d) a comparison of the results with the requirements of Condition E22;</p> <p>(e) the mitigation and management measures that will be undertaken in the event that the assessment indicates that the flooding characteristics exceed or do not meet the requirements specified in Condition E22;</p> <p>(f) changes in the depths of inundation including locations where previously there would have been no inundation;</p>	Prior to Construction of Permanent works that may impact on flooding		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	<p>(g) flow changes in all watercourses and overland paths;</p> <p>(h) an assessment of the impacts of the CSSI including impacts on sedimentation, erosion, scouring, and bank and stream stability;</p> <p>(i) mitigation measures to minimise potential adverse impacts and respond to actual impacts in accordance with the DPI's Guidelines for Controlled Activities on Waterfront Land; and</p> <p>(j) a description of the cross-sectional dimensions and location of all proposed spoil mounds associated with the CSSI.</p> <p>The Flood Design Report must be reviewed and endorsed by a suitably qualified and experienced hydrologist who is independent of the person who prepared the Flood Design Report and whose appointment must be approved by the Secretary. The hydrologist's endorsement must include a statement verifying that new and replacement culverts have been designed in accordance with the requirements of Conditions E29 and E30.</p> <p>The Flood Design Report must be submitted to the Secretary and OEH for information at least one (1) month prior to the commencement of construction of permanent works that may impact on flooding.</p>				
E22	<p>The CSSI must be designed with the objective of not exceeding, by reason of the SSI, the following flooding characteristics on adjacent lands / properties during any flood event up to the 100 year ARI:</p> <p>(a) a maximum increase in inundation time of five per cent for houses, commercial premises and urban areas and 10 per cent for roads, agricultural (grazing and cropping) areas and public infrastructure (e.g. water and sewage pump stations and sewage treatment plants);</p>	Construction		ARTC	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	<p>(b) a maximum increase of 10 mm in inundation at properties where floor levels are currently exceeded;</p> <p>(c) a maximum increase in 50 mm in inundation at properties where floor levels are currently not exceeded;</p> <p>(d) no inundation of floor levels which are currently not inundated;</p> <p>(e) a maximum increase of 50 mm along the Newell Highway and 100 mm on all other roads; and</p> <p>(f) a maximum increase of 200 mm on agricultural areas.</p> <p>Where the flooding characteristics cannot be met, the Proponent must achieve compliance through modified design of the CSSI, or achieve an acceptable level of mitigation of impacts through at-property design measures (e.g. raised access tracks, flood refuge, house raising) in consultation with affected landowners / infrastructure owners. The mitigation measures must be detailed in the Flood Design Report required by Condition E21 and implemented within the timeframes specified in the Flood Design Report.</p>				
Flood Review					
E23	<p>For the first 15 years of operation, the Proponent must prepare a Flood Review Report(s) after the first defined flood event for any of the following flood magnitudes that occur – the 5 to 10 year ARI event, 10 to 20 year ARI event, 20 to 100 year ARI event. The Flood Review Report (s) must prepared by a suitably qualified and experienced hydrologist(s) and include:</p> <p>(a) a comparison of the observed extent, level, and duration of the flooding event against the impacts predicted in (or inferred from) the EIS, the Flood</p>	Operations		ARTC	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	<p>Design Report required by Condition E21 and the requirements specified in Condition E22; and</p> <p>(b) identification of the properties and infrastructure affected by flooding during the reportable event;</p> <p>(c) where the observed extent and level of flooding or other flooding or erosion impacts exceed the predicted impacts due to the CSSI with the consequent effect of adversely impacting on property(ies), structures and infrastructure, and / or exceed the requirements specified in Condition E22, identification of the measures that would be implemented to reduce future impacts of flooding related to the CSSI works, including the timing and responsibilities for implementation.</p> <p>A copy of the Flood Review Report(s) must be submitted to the Secretary for information and OEH and relevant council(s) within three (3) months of finalising the report(s).</p> <p>Additional flood mitigation measures must be developed in consultation with the affected property / structure / infrastructure owners, OEH and the relevant council(s), as relevant, and implemented within the timeframes specified in the Flood Review Report(s).</p>				
E24	<p>The Proponent must develop a methodology for spatially defining how the length(s) of the rail corridor impacted by a flood event will be determined for the purposes of Condition E23. The methodology must be developed in consultation with OEH and submitted to the Secretary for approval prior to the commencement of operation of the CSSI.</p>	Prior to Commencement of Operations		ARTC	
Information Sharing					

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
E25	Flood information including flood reports, models and geographic information system outputs, and work as executed information from a registered surveyor certifying finished ground levels and the dimensions and finished levels of all structures within flood prone land, must be made available to the relevant council(s), OEH and the SES upon request. The relevant councils, OEH and the SES must be notified in writing that the information is available no later than one (1) month following the completion of construction. Information requested by a relevant council, OEH or the SES must be provided within three (3) months.	Completion of Construction		ARTC / Service Provider	
WATER QUALITY AND DRAINAGE					
E26	The CSSI must be designed to ensure hydrological flows remain consistent with existing (pre CSSI determination) environment for all rainfall events up to and including the 100 year ARI event.	Construction		ARTC / Service Provider	
E27	The CSSI must be designed, constructed and operated so as to: (a) maintain the <i>NSW Water Quality Objectives</i> where they are being achieved as at the date of this approval; and (b) contribute towards achievement of the <i>NSW Water Quality Objectives</i> over time where they are not being achieved as at the date of this approval, unless an EPL in force in respect of the CSSI contains different requirements in relation to the <i>NSW Water Quality Objectives</i> , in which case those requirements must be complied with.	Construction		ARTC / Service Provider	
E28	Drainage feature crossings (permanent and temporary watercourse crossings and stream diversions) and cess drains and depressions must be designed and constructed in accordance with relevant DPI guidelines.	Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
E29	<p>Replacement culverts must be designed with the objective that the exit flow velocity is no greater than the exit flow velocity through the existing culvert. Where this cannot be achieved due to engineering considerations, a higher exit flow velocity is permitted provided that it does not result in impacts on soil structure or condition, or cause scouring and erosion either outside the rail corridor, or beyond the area of scour protection works where an adjacent landowner has agreed to the installation of such works on their property in accordance with Condition E32.</p> <p>Where areas outside of the rail corridor currently show scour or erosion and this is directly attributable to a culvert that is to be replaced, mitigation measures be implemented to ensure stable downstream conditions, and further scouring or erosion resulting from flows exiting the replacement culvert are mitigated.</p>	Construction		ARTC / Service Provider	
E30	<p>Where it is proposed to construct new culverts along the length of the CSSI, the new culverts must be designed with the objective that:</p> <p>(a) flows through the new culvert must not increase the downstream lateral flood extent by more than five percent for each magnitude flood event; and</p> <p>(b) flow velocities exiting the rail corridor must not exceed velocities that will result in impacts on soil structure or condition, or cause scouring and erosion outside the rail corridor, or beyond scour protection works where an adjacent landowner has agreed to the installation of such works on their property in accordance with Condition E32; and</p> <p>(c) if existing flow velocities at the boundary of the rail corridor are less than one metre per second, then design flow velocities must not exceed one metre per second, and where they are greater than one metre per second, then they must not increase by more than 20 percent.</p>	Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
E31	Prior to the installation of a new culvert, the Proponent must consult with the landowner that is located immediately downstream of the new culvert to determine the potential for impacts on the agricultural productivity of the land due to the introduction of flows. Where potential adverse impacts are identified, the Proponent must reach agreement with the affected landowner on the management measures that will be implemented to mitigate the impacts.	Prior to installation of a new culvert		ARTC / Service Provider	
E32	All scour protection works associated with the upgrading of existing culverts or construction of new culverts must be restricted to the rail corridor, or as agreed to by the relevant land owner.	Construction		ARTC / Service Provider	
E33	The CSSI must not result in changes to the direction of watercourses or the direction of flood flows except within the rail corridor.	Construction		ARTC / Service Provider	
E34	The CSSI (including the cess drains adjacent to the new and upgraded rail track) must be designed and constructed to ensure that there is no permanent interception of, and/or connection with, groundwater.	Construction		ARTC / Service Provider	
E35	All discharges from the cess drains adjacent to the new and upgraded track must be released at a controlled rate to prevent scour.	Construction		ARTC / Service Provider	
E36	Works on waterfront land must be undertaken in accordance with the DPI guidelines for controlled activities on waterfront land.	Construction		ARTC / Service Provider	
E37	Any recycled wastewater (including recycled/treated water) proposed for use by the project, must be fit for purpose and does not pose a risk to human health or the receiving environment.	Construction		ARTC / Service Provider	
TRAFFIC, TRANSPORT AND ACCESS					

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
E38	Construction traffic must not use local roads or privately owned roads unless no alternative access is available. Use of private access roads must be in accordance with Conditions C19, C23 and C24 . Local or privately owned roads used for access to construction ancillary facilities and construction sites must be identified in the <i>Construction Traffic, Transport and Access Management Sub-plan</i> required by Condition C4(a) .	Prior to Commencement of construction		ARTC / Service Provider	
E39	A Road Dilapidation Report must be prepared for local roads and roads on private property proposed to be used by construction heavy vehicles for works associated with the CSSI before the commencement of use by such vehicles. Copies of the Road Dilapidation Report must be provided to the relevant road authority(ies) and/or landowner no later than one (1) month before the use of local roads by construction heavy vehicles.	Prior to Construction Vehicles using local roads		ARTC / Service Provider	
E40	If damage to roads occurs as a result of the construction of CSSI, the Proponent must either (at the landowner's discretion): (a) rectify the damage so as to restore the road to at least the condition it was in pre-construction; or (b) compensate the relevant road authority(ies) and/or landowner for the damage so caused. The amount of compensation may be agreed with the relevant road authority(ies) and landowner, but compensation must be paid even if no agreement is reached.	Construction		Service Provider	
E41	During construction, measures must be implemented to maintain pedestrian and vehicular access to affected properties. Alternative pedestrian and vehicular access must be developed in consultation with affected landowners. Such arrangements must be outlined in the Construction Traffic, Transport and Access Management Sub-plan required by Condition C4 and implemented prior to the disruption	Prior to Commencement of Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
E42	Where bus stops (including school bus stops) are required to be temporarily closed or relocated during construction, such closure must not occur until relocated bus stops are functioning and are within walking distance of the original bus stop. The relocation of bus stops must be undertaken in consultation with the relevant council and bus operator, and details regarding the relocations provided to affected communities (and educational facilities in relation to school bus stops) at least 14 days prior to the relocation occurring.	Prior to Bus stop relocation		ARTC / Service Provider	
E43	The Proponent must liaise with RMS prior to, and at regular intervals during, construction with the aim of developing and implementing measures aimed at reducing any potential cumulative impacts arising from the simultaneous construction of the CSSI and Newell Highway upgrade works.	Construction		ARTC / Service Provider	
Level Crossing Treatment Reports					
E44	<p>The Proponent must prepare a Public Level Crossing Treatment Report in consultation with Transport for NSW (including RMS) and relevant councils. The report must:</p> <p>(a) illustrate the location of all public level crossings which traverse the CSSI;</p> <p>(b) list, and identify on a figure, any public level crossings that will be closed or upgraded, including the type of treatment proposed where a level crossing is to be upgraded;</p> <p>(c) where no works are proposed at a public crossing, provide reason for the decision; and</p> <p>(d) provide justification for any proposed closures.</p>	Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	<p>The assessment of level crossings must utilise the Australian Level Crossing Assessment Model (ALCAM). The process for determining the type of level crossing treatment must be consistent with the methodology outlined in Appendix H of the Submissions Report.</p> <p>The report must also include an assessment of the road risks, consistent with the guideline <i>Railway Crossing Safety Series 2011, Plan: Establishing a Railway Crossing Safety Management Plan</i> (NSW Roads and Traffic Authority, 2011).</p> <p>The design of any level crossing on a public road must be endorsed by the relevant road authority.</p>				
E45	<p>The Proponent must prepare a Private Level Crossing Treatment Report in consultation with landowners whose access will be affected by the closure or upgrading of a private level crossing. The report must:</p> <ul style="list-style-type: none"> (a) illustrate the location of all private level crossings which traverse the CSSI; (b) list, and identify on a figure, any private level crossings that will be closed or upgraded; (c) describe the treatments that will be implemented at upgraded crossings; (d) provide justification for any proposed closures and types of treatment, including decisions where no additional treatments are proposed; and (e) provide details on the consultation undertaken with the landowners. <p>Closures, relocations or modifications of private level crossings, including the design of the crossing, must be agreed to by the relevant landowner prior to any work on a crossing.</p>	Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	The treatments at private level crossings must be in accordance with <i>AS/RISSB 7658:2012 Railway Infrastructure – Railway Level Crossing</i> .				
E46	The Public Level Crossing Treatment Report and Private Level Crossing Treatment Report must be submitted to the Secretary for information at least one (1) month prior to the closure or upgrade of a public or private level crossing, as relevant. Individual reports may be submitted for each crossing or address a group of crossings or the entire CSSI.	Prior to Commencement of Activity		ARTC	
Level Crossing Performance Report					
E47	<p>Within 12 months and 10 years of commencing operation of the CSSI, the Proponent must prepare a Level Crossing Performance Report to confirm the operational traffic impacts of the level crossings on the State and local road network. The review of the operation of the level crossings that interact with the State and local road network must be carried out in consultation with RMS and the relevant councils, and include:</p> <p>(a) updated traffic analysis of movements on these roads;</p> <p>(b) assessment of the level of service at these level crossings (queue length, queuing time delay);</p> <p>(c) assessment of the performance of the level crossing treatment outlined in the Public Level Crossing Treatment Report required by Condition E44;</p> <p>(d) all reported near misses and collisions at level crossings within the project area; and</p> <p>(e) mitigation measures to manage any actual or predicted road network performance impacts.</p>	Operations		ARTC	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	Mitigation measures to manage any actual or predicted road network performance impacts must be implemented within one year of the completion of each report. The Report must include an implementation plan of the identified mitigation measures. The Level Crossing Performance Report must be submitted to the Secretary, RMS and relevant councils for information within 60 days of its completion.				
Property Access					
E48	No part of any crossing loop may cross over any driveway, private road or public road unless agreed with the relevant landowner and any other adjacent landowner whose access is impacted by the crossing loop.	Construction		ARTC / Service Provider	
E49	The Proponent must maintain access to properties during the entirety of works unless an alternative access is agreed with the landowner(s) whose access is impacted by the CSSI works.	Construction		ARTC / Service Provider	
E50	Where construction of the CSSI restricts a property's access to a public road, the Proponent must, until their primary access is reinstated, provide the property with temporary alternate access to the same road at the landowner's desired location, at no cost to the property landowner, unless otherwise agreed with the landowner	Construction		ARTC / Service Provider	
E51	Where construction of the CSSI restricts the ability of a resident or landowner to access other parts of their property via a level crossing, the Proponent must, until the level crossing is reinstated, supply the property with a temporary alternate level crossing access at the landowner's desired location and at no cost to the property landowner, unless otherwise agreed with the landowner.	Construction		ARTC / Service Provider	
SPOIL MOUNDS					

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
E52	Spoil Mounds are to be located: <ul style="list-style-type: none"> (a) within the existing rail corridor; (b) at least 50 metres from any watercourse or culvert or where the rail formation is predicted to be overtopped during a flood event; (c) at least 500 metres from any residence; (d) outside the line of sight of drivers approaching level crossings; and (e) outside the drip lines of trees located on private property. <p><i>Note: For the purpose of Condition E50(e), the Proponent must not affect trees outside of the rail corridor for the purpose of preventing those trees' driplines overhanging spoil mounds.</i></p>	Construction		ARTC / Service Provider	
E53	Spoil mounds are to comply with the following requirements: <ul style="list-style-type: none"> (a) maximum height must not exceed the top height of the upgraded rail line; (b) not result in the clearing or covering of native vegetation beyond that described in the EIS and Submissions Report; (c) not result in heritage impacts beyond that described in the EIS and Submissions Report; (d) not result in additional changes to the upstream flooding regime beyond those described in the EIS and Submissions Report; (e) not affect the downstream flood regime; 	Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
	(f) not impede the flow of water through culverts;				
	(g) not contain any contaminated soil classified as unsuitable for the proposed land use, acid sulphate soils or green waste;				
	(h) are to be stabilised during construction of the CSSI; and				
	(i) are to be stabilised prior to operation of the CSSI.				
LANDSCAPE AND VISUAL AMENITY					
E54	The construction and operation of the parts of the project located within 200 kilometres of the Siding Spring Observatory, must comply with the 'Good Lighting Design Principles' as described in the Department's <i>'Dark Sky Planning Guideline'</i> .	Construction		ARTC / Service Provider	
E55	The Proponent must construct and operate the CSSI with the objective of minimising light spillage to residences. All lighting associated with the construction and operation of the CSSI must be consistent with the requirements of <i>Australian Standard 4282-1997 Control of the obtrusive effects of outdoor lighting</i> . Notwithstanding, the Proponent must provide mitigation measures to manage any residual night-lighting impacts to protect residences adjoining or adjacent to the CSSI, in consultation with affected landowners.	Construction		ARTC / Service Provider	
E56	The Proponent must consult with all landowners whose visual amenity from their residence is identified highly impacted by the CSSI (as per Table 5 of Technical Report 10 in the EIS) to determine the mitigation measures that will be implemented to maintain visual amenity. The Proponent must come to an agreement with the landowner on the mitigation measures and implement the measures prior to the operation of the CSSI.	Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
HERITAGE					
E57	The Proponent must not destroy, modify or otherwise physically affect any heritage items, including human remains, outside of the CSSI construction boundary.	Construction		ARTC / Service Provider	
E58	The Proponent must not to harm, modify, or otherwise impact human remains uncovered during the construction of the CSSI.	Construction		ARTC / Service Provider	
E59	Identified impacts to heritage items must be minimised through both design and construction. The measures for ensuring this are to be detailed in the Construction Heritage Management Sub-Plan required by Condition C4(f) .	Prior to Commencement of Construction		ARTC / Service Provider	
Non-Aboriginal Heritage					
E60	The Proponent must implement management measures to ensure that Wyanga Cottage is not directly or indirectly impacted by the construction of the CSSI	Construction		ARTC / Service Provider	
E61	The Proponent must undertake Heritage Photographic Archival Recordings of potential heritage items associated with the existing rail line (including culverts/underbridges with timber components and former rail station sites) which have been identified for demolition in the EIS and Submissions Report. The photographic recording must be undertaken in accordance with ARTC's Archival Recording Standard.	Construction		ARTC	
Aboriginal Heritage					
E62	The Proponent must not destroy, modify or otherwise physically affect AHIMS site 35-3-0207 (scarred tree).	Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
E63	The Proponent must implement measures to attempt to avoid impacts to AHIMS sites 35-3-0206, 35-3-0208 and 43-3-0111. If impacts to the sites cannot be avoided, the Proponent must provide for an appropriately qualified archaeological heritage consultant and registered Aboriginal stakeholder to record and collect any artefacts at the sites which will be affected by the construction of the SSI, prior to the commencement of any works that will impact on the sites. The artefacts must be lodged in a keeping place as required by Condition C8 and the safe keeping place must be identified in the Construction Heritage Management Sub-plan required by Condition C4(f) .	Prior to Commencement of Construction		ARTC / Service Provider	
E64	In the event that the previously recorded AHIMS sites 35-6-0062, 35-6-0063 and 35-6-0065 are located within the CSSI boundary and will be directly impacted by the construction of the CSSI, the Proponent must provide for an appropriately qualified archaeological heritage consultant and registered Aboriginal stakeholder to record and collect any artefacts at the sites which will be affected by the construction of the SSI, prior to the commencement of any works that will impact on the sites. The artefacts must be lodged in a keeping place as required by Condition C8 and the safe keeping place must be identified in the Construction Heritage Management Sub-plan required by Condition C4(f) .	Construction		ARTC	
LAND USE AND PROPERTY					
Building Condition Survey					
E65	The Proponent must undertake dilapidation surveys on the current condition of surface and sub-surface structures owned by third parties and identified at risk from vibration. The dilapidation surveys must be prepared by a suitably qualified and experienced person(s).	Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
E66	The results of the dilapidation surveys must be provided to the relevant owners of surface and sub-surface structures for review prior to the commencement of potentially impacting works.	Construction		ARTC / Service Provider	
E67	Subsequent dilapidation surveys must be undertaken to assess damage to the surface and sub-surface structures that may have resulted from the construction of the CSSI within three months of the completion of construction, unless otherwise agreed by the Secretary.	Completion of Construction		ARTC / Service Provider	
E68	The results of the subsequent dilapidation surveys for each surface and sub-surface structure surveyed must be provided to the relevant owners of the structures within one (1) month of undertaking the surveys.	Completion of Construction		ARTC / Service Provider	
E69	The Proponent must carry out rectification at its expense and to the reasonable requirements of the surface and sub-surface structure owner(s) within three (3) months of completion of the post-dilapidation surveys unless otherwise agreed with the owner of the affected surface and sub-surface structure	Completion of Construction		ARTC / Service Provider	
SUSTAINABILITY					
E70	The CSSI must achieve a minimum 'excellent' rating for both 'Design' and 'As built', under the Infrastructure Sustainability Council of Australia infrastructure rating tool, or through the use of the equivalent process	Construction		ARTC / Service Provider	
SOILS					
E71	All reasonably practicable erosion and sediment controls must be installed and appropriately maintained to minimise any water pollution. When implementing such controls, any relevant guidance in the <i>Managing Urban Stormwater</i> series must be considered.	Duration of Works		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
Contaminated Sites					
E72	In the event that soils suspected to be contaminated are unexpectedly found, the Proponent must engage a suitably experienced and qualified contaminated land consultant to undertake further investigations to determine the type and extent of any contamination. The investigation must be undertaken in accordance with guidelines made or approved under the <i>Contaminated Land Management Act 1997 (NSW)</i> . The results of the investigation must be documented in a Site Contamination Assessment Report .	Construction		ARTC / Service Provider	
E73	Where the results of the site investigations indicate that the contamination poses unacceptable risks to human health or the environment under either the present or proposed land use, the Proponent must engage a suitably experienced and qualified contaminated land consultant to develop and implement any necessary remediation measures. The remediation measures must be documented in a Remediation Report .	Construction		ARTC / Service Provider	
E74	If remediation is required under Condition E73 , A Site Audit Statement and Site Audit Report must be prepared by a NSW EPA Accredited Site Auditor. Contaminated land must not be used for the purpose approved under the terms of this approval until a Site Audit Statement is obtained that declares the land is suitable for that purpose and any conditions on the Site Audit Statement have been complied with.	Construction		ARTC / Service Provider	
E75	A copy of the Site Audit Statement and Site Audit Report must be submitted to the Secretary and relevant council(s) for information no later than one (1) month before the commencement of operation.	Construction		ARTC / Service Provider	
E76	Nothing in Conditions E72 to E74 prevents the Proponent from preparing a single Site Contamination Report or Remediation Report or obtaining a single Site Audit Statement and Site Audit Report for the entire CSSI.	Construction		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
AIR QUALITY					
E77	In addition to the performance outcomes, commitments and mitigation measures specified in the EIS and the Submissions Report, all practicable measures must be implemented to minimise the emission of dust and other air pollutants during the construction and operation of the CSSI.	Duration of Works		ARTC / Service Provider	
WASTE					
E78	<p>Waste generated during construction and operation is to be dealt with in accordance with the following priorities:</p> <p>(a) waste generation is to be avoided and where avoidance is not reasonably practicable, waste generation is to be reduced;</p> <p>(b) where avoiding or reducing waste is not possible, waste is to be re-used, recycled, or recovered in accordance with the requirements of the <i>Protection of the Environment Operations Act 1997</i> and its regulations; and</p> <p>(c) where re-using, recycling or recovering waste is not possible, waste is to be treated or disposed of at a waste management facility or premise lawfully permitted to accept the materials or in accordance with a Resource Recovery Exemption or Order issued under the <i>Protection of the Environment Operations (Waste) Regulation 2014</i>, or to any other place that can lawfully accept such waste.</p>	Duration of Works		ARTC / Service Provider	
E79	Waste generated outside the site must not be received at the site for storage, treatment, processing, reprocessing, or disposal on the site, except as expressly permitted by a licence or waste exemption under the <i>Protection of the Environment Operations Act 1997</i> , if such a licence is required in relation to that waste.	Duration of Works		ARTC / Service Provider	

Condition No.	Condition of Approval	Project Stage	Status	Responsibility	Evidence
E80	All waste generated during construction and operation must be classified in accordance with the EPA's <i>Waste Classification Guidelines</i> , with appropriate records and disposal dockets retained for audit purposes.	Duration of Works		ARTC / Service Provider	



Appendix C – Environmental Compliance Tracker – EIS Mitigation Measures

Parkes to Narromine Environmental Impact Statement Mitigation Measures

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
D1.1	A CEMP would be prepared to detail the approach to environmental management during construction, as described in section 8.1 of this report and in accordance with the conditions of approval.	Construction		ARTC / Service Provider	
C1.1	Construction of the proposal would be undertaken in accordance with the approved CEMP.	Construction		ARTC / Service Provider	
O1.1	An OEMP would be prepared to detail the approach to environmental management during operation, as described in section 8.1.2 of this report and in accordance with the conditions of approval. The proposal would be operated in accordance with the approved OEMP.	Operations		ARTC	
D2.1	The detailed design of the proposal would minimise the potential for impacts to the surrounding road and transport network, property accesses, and access for emergency vehicles Where any legal access to a property is permanently affected and a property has no other legal means of access, alternative access to and from a public road would be provided to an equivalent standard where feasible and practicable. Where an alternative access is not feasible or practicable, and a property is left with no access to a public road, negotiations would be undertaken with the relevant property owner for acquisition of the property in accordance with the provisions of the Land Acquisition (Just Terms Compensation) Act 1991. There will be a preference for acquisition by agreement where practicable.	Construction		ARTC / Service Provider	

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
D2.2	<p>Input would be sought from relevant stakeholders (including Parkes Shire Council, Narromine Shire Council, Roads and Maritime Services and Transport for NSW) prior to finalising the detailed design of those aspects of the proposal that impact on the operation of road and other transport infrastructure under the management of these stakeholders.</p> <p>The traffic, transport and access management sub-plan would be developed in consultation with (where relevant) Parkes Shire Council, Narromine Shire Council, Roads and Maritime Services, Transport for NSW, and local public transport/bus operators.</p>	Prior to finalising detailed design		ARTC / Service Provider	
D2.3	Level crossings would be provided with warning signage, line marking and other relevant controls; in accordance with the relevant national and ARTC standards.	Construction		ARTC / Service Provider	
C2.1	Access to individual residences, services and businesses, and access for livestock across the rail corridor, would be maintained during construction. Where alternative access arrangements need to be made, these would be developed in consultation with affected property owners/occupants.	Construction		ARTC / Service Provider	
C2.2	Access for emergency vehicles would be maintained along key emergency access routes throughout the construction period, with suitable alternative access arrangements provided where required.	Construction		ARTC / Service Provider	
C2.3	Diversions of existing rail traffic would be undertaken in consultation with relevant stakeholders, and alternative arrangements would be provided.	Construction		ARTC / Service Provider	

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
C2.4	<p>Consultation with relevant stakeholders would be undertaken regularly to facilitate the efficient delivery of the proposal and to minimise congestion and inconvenience to road users. Stakeholders would include the relevant local council, bus operators, Roads and Maritime Services, emergency services, and affected property owners/occupants.</p> <p>The community would be notified in advance of any proposed road and pedestrian network changes through signage, the local media, and other appropriate forms of communication.</p> <p>Where changes to access arrangements are required, ARTC would advise property owners/occupants and consult with them in advance regarding alternative access arrangements.</p>	Construction		ARTC / Service Provider	
O2.1	<p>The operation of level crossings that have been subject to changes as part of the proposal would be reviewed after the proposal commences operation to confirm:</p> <ul style="list-style-type: none"> • that the level of protection continues to be appropriate • that the infrastructure is appropriate for the traffic conditions. 	Construction		ARTC	
D3.1	<p>The biodiversity offset strategy (phase 1) for the proposal would be finalised, in accordance with the requirements of the Framework for Biodiversity Assessment (OEH, 2014a) and the NSW Biodiversity Offsets Policy for Major Projects (OEH, 2014c).</p> <p>The offset strategy would be approved by the Department of Planning and Environment prior to the commencement of construction work that would result in the disturbance of relevant ecological communities, threatened species, or their habitat, unless otherwise agreed.</p>	Construction		ARTC / Service Provider	

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
D3.2	Detailed design and construction planning would minimise the construction footprint and avoid impacts to native vegetation as far as practicable.	Construction		ARTC / Service Provider	
D3.3	Compounds and stockpile sites would be located an appropriate distance from riparian vegetation to avoid impacts on aquatic habitat. This includes (for the proposal site) a minimum of 50 metres for type 2, classes 2 and 3 watercourses (Burrill Creek), and 10 to 50 metres for type 3, classes 2 to 4 watercourses (other watercourses). Direct impacts to in-stream vegetation and native vegetation on the banks of watercourses would be avoided as far as practicable.	Construction		ARTC / Service Provider	
D3.4	Detailed design and construction planning would minimise the potential for impacts to fish passage. To ensure that fish passage is maintained, watercourse crossing structures would be designed in accordance with the guideline Why do fish need to cross the road? Fish passage requirements for waterway crossings (Fairfull and Witheridge, 2003) and the minimum design requirements specified in Table 4.1 of Technical Report 3.	Construction		ARTC / Service Provider	
D3.5	A rehabilitation strategy would be prepared to guide the approach to rehabilitation of disturbed areas following the completion of construction. The strategy would include: <ul style="list-style-type: none"> • clear objectives and timeframes for rehabilitation works (including the biodiversity outcomes to be achieved) • details of the actions and responsibilities to progressively rehabilitate, regenerate, and/or revegetate areas, consistent with the agreed objectives • identification of flora species and sources • procedures for monitoring the success of rehabilitation • corrective actions should the outcomes of rehabilitation not conform to the objectives adopted. 	Completion of Construction		ARTC / Service Provider	

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
D3.6	Pre-clearing surveys and inspections would be undertaken prior to construction. The surveys and inspections, and any subsequent relocation of species, would be undertaken and in accordance with the biodiversity management sub-plan in the CEMP.	Prior to Construction		ARTC / Service Provider	
C3.1	Areas of biodiversity value outside the proposal site would be marked on plans, and fenced or signposted where practicable, to prevent unnecessary disturbance.	Construction		ARTC / Service Provider	
C3.2	Noxious weeds would be managed in accordance with the Noxious Weeds Act 1993. Weeds of national environmental significance would be managed in accordance with the Weeds of National Significance Weed Management Guide. Any herbicides would be applied such that impacts on surrounding agricultural properties are avoided.	Construction		ARTC / Service Provider	
C3.3	Rehabilitation of disturbed areas would be undertaken progressively and in accordance with the rehabilitation strategy.	Completion of Construction		ARTC / Service Provider	
O3.1	Culverts would be regularly inspected and maintained to ensure functionality and minimise blockage of fish passage.	Construction		ARTC	
O3.2	Annual inspections would be undertaken for weed infestations and to assess the need for control measures. Any outbreak of noxious and/or weeds of national environmental significance would be managed in accordance with the Noxious Weeds Act 1993, the Weeds of National Significance Weed Management Guide, and the requirements of relevant authorities.	Construction		ARTC	

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
D4.1	<p>The proposal would be designed with the aim of achieving the operational noise and vibration criteria identified by the noise and vibration assessment.</p> <p>Track features such as crossovers, turnouts, and rail joints would be avoided near vibration sensitive structures where practicable.</p>	Duration of Works		ARTC / Service Provider	
D4.2	Where vibration levels are predicted to exceed the screening criteria, a more detailed assessment of the structure and vibration monitoring would be carried out in accordance with the Inland Rail NSW Construction Noise and Vibration Management Framework, to ensure vibration levels remain below appropriate limits for that structure.	Construction		ARTC / Service Provider	
D4.3	An operational noise and vibration review would be undertaken as described in section 11.5 of the EIS to guide the approach to identifying feasible and reasonable mitigation measures to incorporate in the detailed design.	Prior to Construction		ARTC / Service Provider	
C4.1	<p>The Inland Rail NSW Construction Noise and Vibration Management Framework (provided in Appendix E) would be implemented, and the proposal would be constructed, with the aim of achieving the construction noise management levels and vibration criteria identified by the noise and vibration assessment.</p> <p>All feasible and reasonable noise and vibration mitigation measures would be implemented.</p> <p>Any activities that could exceed the construction noise management levels and vibration criteria would be identified and managed in accordance with the Inland Rail NSW Construction Noise and Vibration Management Framework and the CEMP.</p>	Construction		ARTC / Service Provider	

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
	Notification of impacts would be undertaken in accordance with the communication management plan for the proposal.				
C4.2	An out-of-hours work protocol would be developed to guide the assessment and management of works outside primary proposal construction hours.	Construction		ARTC / Service Provider	
O4.1	The proposal would be operated with the aim of achieving the operational noise and vibration criteria identified by the noise and vibration assessment, the requirements of the conditions of approval, and the relevant environment protection licence.	Operations		ARTC	

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
O4.2	<p>Once Inland Rail has commenced operation, operational noise and vibration compliance monitoring would be undertaken at representative locations to compare actual noise performance against that predicted by the noise and vibration assessment.</p> <p>Compliance monitoring requirements would be defined as part of the operational noise and vibration review.</p> <p>The results of monitoring would be included in an operational noise and vibration compliance report, prepared in accordance with the conditions of approval.</p>	Operations		ARTC	
D5.1	Foundation and batter design would include engineering measures to minimise operational risks from shrink swell, dispersive, and/or low strength soils.	Construction		ARTC / Service Provider	
D5.2	Prior to removal of this building (if required), the presence of asbestos would be confirmed, and any removal required would be undertaken in accordance with How to Safely Remove Asbestos Code of Practice (Safe Work Australia, 2016).	Construction		ARTC / Service Provider	
O6.1	During any maintenance work where soils are exposed, sediment and erosion control devices would be installed in accordance with Managing Urban Stormwater: Soils and Construction (Landcom, 2004).	Operations		ARTC	
O6.2	ARTC's existing spill response procedures would be reviewed to determine applicability and suitability during operation. The adopted procedure would include measures to minimise the potential for impacts on the local community and the environment as a result of any leaks and spills.	Operations		ARTC	

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
D6.1	<p>The design features listed in section 15.3.1 of the EIS would continue to be refined to not worsen existing flooding characteristics, where feasible and reasonable, up to and including the one per cent AEP event. Detailed flood modelling would consider potential changes to:</p> <ul style="list-style-type: none"> • upstream flood extents • level crossing and road flood levels and extent • overland flow paths and storage effects due to spoil mounds and other proposal infrastructure • flood evacuation routes. <p>Flood modelling to support detailed design would be carried out having regard to the guidelines listed in section 15.1.2 of the EIS and the Guidelines for Controlled Activities on Waterfront Land (NSW Office of Water, 2012).</p> <p>Flood modelling and mitigation would consider future floodplain risk management plans, and would be undertaken in consultation with the relevant local council, the Office of Environment and Heritage, and State Emergency Services.</p>	Construction		ARTC / Service Provider	
D6.2	Where feasible, facilities and routes identified as being critical to emergency response operations would be protected from the probable maximum flood level.	Construction		ARTC / Service Provider	
D6.3	Further modelling would be undertaken during detailed design to confirm the locations downstream of culverts that require erosion protection, and the extent and type of protection required.	Construction		ARTC / Service Provider	

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
D6.4	<p>Detailed design and construction planning would aim to minimise the use of potable water during construction.</p> <p>Appropriate sources for construction water would be determined prior to construction in consultation with relevant stakeholders, and appropriate approvals and agreements would be sought for the extraction of water.</p>	Construction		ARTC / Service Provider	
C6.1	Construction planning and the layout of construction work sites and compounds would be carried out with consideration of overland flow paths and flood risk, avoiding flood liable land and flood events where possible.	Construction		ARTC / Service Provider	
C6.2	Monitoring would be undertaken during extraction to ensure volumes stipulated by licence requirements and/or private landholder agreements are not exceeded.	Construction		ARTC / Service Provider	
D7.1	The design features listed in section 16.3.1 of the EIS would continue to be refined and implemented to minimise the potential impacts of the proposal on water quality.	Construction		ARTC / Service Provider	
D7.2	<p>A surface water monitoring framework would be developed as part of the soil and water management sub-plan in the CEMP. It would identify monitoring locations at discharge points, and selected locations in watercourses where works are being undertaken.</p> <p>The monitoring framework would include the relevant water quality objectives, parameters, and criteria from Technical Report 7, and specific monitoring locations which have been identified based on the hydrological attributes of the receiving watercourse, in consultation with DPI (Water) and the EPA.</p>	Prior to Construction		ARTC / Service Provider	

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
C7.1	Water quality would be monitored during construction in accordance with the surface water monitoring framework.	Construction		ARTC / Service Provider	
C7.2	Discharge to surface water would be undertaken in accordance with the construction EPL and would consider the hydrological attributes of the receiving watercourse.	Construction		ARTC / Service Provider	
C7.3	<p>If groundwater is encountered during excavation and requires dewatering the following procedure would be followed:</p> <ul style="list-style-type: none"> • Groundwater would be pumped into a holding tank or water truck. Pump out events would be supervised always, and the pump would be positioned to prevent the discharge of sediment-laden water settled at the bottom of the trench. • Groundwater for discharge to surface water would be tested prior to discharge. Conditions of discharge are likely to include: <ul style="list-style-type: none"> • No visible sheen or odour is noted. • Water pH is between 6.5 and 8.5. • Total suspended solids are less than 60 mg/L (approximately equivalent to a turbidity level of 50 NTU). Water may be dosed with gypsum, alum or a similar product to reduce sediment levels if required. • All litter and debris must be filtered out and removed prior to discharge. • Water quality would be checked regularly during discharge events to ensure the pH and suspended solids remain within the allowable levels. • Consideration would be given to the hydrological attributes of the receiving water body prior to discharge (ie is sufficient water present to allow mixing etc). • Waste water that does not meet the criteria in the EPL would be disposed of off-site by a licensed liquid waste contractor in accordance with the Waste Classification Guidelines (EPA, 2014). 	Construction		ARTC / Service Provider	

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
O7.1	The proposal would be managed in accordance with the water quality management requirements specified in the environment protection license for ARTC and ARTC's Environmental Management System.	Operations		ARTC	
D8.1	Detailed design and construction planning would avoid direct impacts to the identified items/sites of Aboriginal heritage significance where practicable.	Construction		ARTC / Service Provider	
D8.2	Any works outside the proposal site would be subject to further review and assessment to avoid impacts on Aboriginal items.	Construction		ARTC / Service Provider	
D8.3	An interpretation strategy would be developed for the proposal to provide a concept and framework for interpretation of the original rail line and rail infrastructure.	Construction		ARTC / Service Provider	
D8.4	<p>Impacts to AHIMS listed sites 35-3-0206 and 45-3-0111 would be avoided where possible. These sites would be fenced prior to construction and their locations marked on all plans. A buffer of 10 metres around the sites would be applied to all fencing.</p> <p>If these sites cannot be avoided, salvage of artefacts would be undertaken prior to construction in accordance with the procedures detailed in Technical Report 8.</p> <p>Impacts to the scarred tree at 35-3-0207 and the artefact scatter at 35-3-0208 would be avoided. The sites would be fenced prior to construction and marked on all plans.</p>	Construction		ARTC / Service Provider	

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
D8.5	<p>The detailed design of the proposal would minimise the potential for direct impacts to Wyanga cottage.</p> <p>The management of potential vibration impacts at the cottage would be undertaken in accordance with the Inland Rail NSW Construction Noise and Vibration Management Framework.</p> <p>Direct impacts to Wyanga cottage would be avoided by the installation of temporary fencing, and marking the cottage as a 'no go' area on plans.</p> <p>A photographic/archival recording would be undertaken of culverts/underbridges with timber components, former rail station sites (as described in sections 6.4.1 and 6.4.2 of Technical Report 8), and Wyanga cottage, in accordance with ARTC's Archival Recording Standard.</p> <p>The photographic recording would include contextual photographs showing the relationships between the rail line, station sites, and associated grain rail sidings and silos.</p>	Construction		ARTC / Service Provider	
D8.6	<p>An unexpected finds procedure would be developed and included in the CEMP to provide a consistent method for managing any unexpected Aboriginal and non-Aboriginal heritage items discovered during construction, including potential heritage items or objects, and human skeletal remains.</p>	Construction		ARTC / Service Provider	
C8.1	<p>If potential Aboriginal or non-Aboriginal archaeological remains, relics, items, or human remains are uncovered, works within the immediate area of the item would cease, and the unexpected finds procedure would be implemented.</p> <p>During pre-work briefings, employees would be made aware of the</p>	Construction		ARTC / Service Provider	

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
	unexpected finds procedures and obligations under the National Parks and Wildlife Act 1974.				
D9.1	Detailed design would be undertaken in accordance with the design vision, objectives, and principles which underpin the concept design, and would take into account the guidelines listed in section 19.1 of the EIS.	Construction		ARTC / Service Provider	
C9.1	<p>Temporary lighting would be designed and sited to avoid light spill into residential properties and identified sensitive receivers.</p> <p>Temporary and any permanent lighting would designed and sited to comply with:</p> <ul style="list-style-type: none"> • AS 4282-1997 Control of the Obtrusive Effects of Outdoor Lighting • Dark Sky Planning Guideline: Protecting the observing conditions at Siding Spring (Department of Planning and Environment, 2016). 	Construction		ARTC / Service Provider	
C9.2	Spoil mounds would be shaped to reduce their angular profile and ensure that they are integrated within the landscape. Sharp transition angles in the surface profile would be avoided, and rounded profiles would be used to provide a more natural form. Grass cover would be established over the surface area in accordance with the rehabilitation strategy.	Construction		ARTC / Service Provider	
D10.1	Individual property management agreements would be developed in consultation with landowners/occupants, with respect to the management of construction on or immediately adjacent to private properties. These would	Construction		ARTC / Service Provider	

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
	detail any required adjustments to fencing, access, farm infrastructure, and relocation of any impacted structures, as required.				
D10.2	All acquisitions/adjustments would be undertaken in consultation with landowners and in accordance with the requirements of the Land Acquisition (Just Terms Compensation) Act 1991. There will be a preference for acquisition by agreement where practicable.	Construction		ARTC / Service Provider	
D10.3	Access to properties would be maintained and managed in accordance with the mitigation measures listed under item D2.1 above.	Construction		ARTC / Service Provider	
D10.4	Local Land Services would continue to be consulted during detailed design to understand how impacts to travelling stock reserves can be avoided during construction and operation. Alternative access arrangements would be made as required.	Construction		ARTC / Service Provider	
D10.5	Utility and service providers would continue to be consulted during detailed design to identify possible interactions and develop procedures to minimise the potential for service interruptions and impacts on existing land uses.	Construction		ARTC / Service Provider	

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
D10.6	<p>Property owners and occupants would be consulted, in accordance with the communication management plan for the proposal (described in chapter 4 of the EIS), to ensure that owners/occupants are informed about the timing and scope of activities in their area; and any potential property impacts/changes, particularly in relation to potential impacts to access, services, or farm operational arrangements.</p> <p>The results of consultation would be incorporated in the individual property management agreements as appropriate. Consultation would be undertaken with landowners affected by level crossing changes and agreement obtained, where required.</p>	Construction		ARTC / Service Provider	
D10.7	The biodiversity management plan included in the CEMP would detail measures to minimise the potential for biosecurity risks during construction.	Construction		ARTC / Service Provider	
C10.1	Property owners/occupants would continue to be consulted during construction, in accordance with the requirements of item D10.6.	Construction		ARTC / Service Provider	
C10.2	<p>The rehabilitation strategy (item D3.5) would include measures to restore disturbed sites as close as possible to the pre-construction condition or better, or to the satisfaction of landowners.</p> <p>Rehabilitation of disturbed areas would be undertaken progressively, consistent with the rehabilitation strategy and Individual property management agreements (where relevant).</p>	Completion of Construction		ARTC / Service Provider	
D11.1	Key stakeholders (including local councils, emergency service providers, public transport providers, the general community, and surrounding land owners/occupants) would continue to be consulted regarding the proposal in accordance with the communication plan described in chapter 4 of the EIS.	Construction		ARTC / Service Provider	

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
D11.2	ARTC would continue to work with relevant stakeholders, including Parkes Shire Council, to identify opportunities to facilitate local access to Inland Rail via the Parkes intermodal facility.	Construction		ARTC / Service Provider	
D11.3	A temporary workforce housing and accommodation plan would be developed and implemented during construction. This would include a requirement for consultation to be undertaken with local accommodation providers and councils regarding the availability of accommodation, and the need to maintain some availability for non-workforce accommodation.	Construction		ARTC / Service Provider	
C11.1	Local residents, businesses and other stakeholders would be notified before work starts in accordance with the communication management plan and would be regularly informed of construction activities.	Construction		ARTC / Service Provider	
C11.2	Where practicable, the workforce would include workers sourced locally, and opportunities for training potential local employees would be provided. This would include exploring opportunities for local Indigenous participation in consultation with local Indigenous service providers. A zero tolerance policy relating to anti-social behaviour would be adopted for work sites.	Construction		ARTC / Service Provider	
C11.3	Local suppliers would be identified and approached for procurement of goods and services where practicable.	Construction		ARTC / Service Provider	
O8.1	A safety awareness program would be developed and implemented to educate the community regarding safety around trains. This would focus on community and rural property operators who cross the rail corridor to access their properties.	Operations		ARTC	

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
D12.1	<p>The potential sustainability initiatives identified for the proposal would be reviewed and updated during the detailed design.</p> <p>A sustainability management plan would be developed to guide the design, construction, and operation of the proposal, to achieve an 'excellent' rating according to the ISCA infrastructure sustainability rating tool.</p> <p>The sustainability management plan would incorporate the updated sustainability initiatives, and the review and reporting requirements necessary to demonstrate how sustainability has been incorporated into the proposal during design, construction, and operation.</p>	Construction		ARTC / Service Provider	
C12.1	Procurement would be undertaken in accordance with the Sustainable Procurement Guide (Department of Sustainability, Environment, Water, Population and Communities, 2013) and the NSW Government Resource Efficiency Policy (OEH, 2014d).	Construction		ARTC / Service Provider	
C12.2	Sustainability reporting (and corrective action where required) would be undertaken during construction in accordance with the sustainability management plan.	Construction		ARTC / Service Provider	
O9.1	Prior to operation commencing, the sustainability management plan would be reviewed and updated, and relevant initiatives would be implemented during operation.	Prior to Operations		ARTC	
D13.1	<p>The climate change risk assessment would continue to be refined as the design of the proposal progresses.</p> <p>The adaptation measures identified for the proposal would be reviewed and final measures would be incorporated into the design where practicable.</p>	Construction		ARTC / Service Provider	

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
O10.1	<p>The recommended adaptation measures would be reviewed, and a final list of adaptation measures for implementation during operation would be confirmed and implemented.</p> <p>Operational management and maintenance procedures would include measures relating to potential climate change risks, as listed in chapter 23 of the EIS.</p> <p>Emerging opportunities to manage potential climate change impacts on the proposal would continue to be monitored.</p>	Operations		ARTC	
D14.1	Detailed design would include measures to minimise excess spoil generation. This would include a focus on optimising the design to minimise spoil volumes, and the reuse of material on-site.	Construction		ARTC / Service Provider	
C13.1	Waste segregation bins (colour coded as listed in Table 24.7 of the EIS) would be located at key construction compounds where practicable, to facilitate segregation and prevent cross contamination.	Construction		ARTC / Service Provider	
O11.1	The waste management measures listed in Table 24.8 of the EIS would be implemented where practicable during operation.	Operations		ARTC	
D15.1	A hazard analysis would be undertaken during detailed design to identify risks to public safety from the proposal, and how these can be mitigated through safety in design.	Construction		ARTC / Service Provider	
D15.2	The location of utilities, services and other infrastructure would be identified prior to construction to determine requirements for access to, diversion, protection and/or support.	Construction		ARTC / Service Provider	

Mitigation Measure No.	Environmental Impact Statement (EIS) Mitigation Measure	Project Stage	Status	Responsibility	Evidence
C14.1	<p>Hazardous materials and dangerous goods would be stored, handled, and transported in accordance with relevant regulatory requirements and relevant Australian Standards, including SEPP 33 thresholds. This would include a requirement to provide a minimum bund volume of 110% of the largest single stored volume within the bund.</p> <p>A risk management strategy would be developed to manage the potential for risks in situations where the minimum distance from sensitive receivers cannot be achieved, or the quantity of hazardous materials exceed SEPP 33 threshold levels.</p>	Construction		ARTC / Service Provider	
O12.1	Operation would be undertaken in accordance with ARTC's standard operating procedures.	Operations		ARTC	
C5.1	Where sensitive receivers are located within 150 metres of construction works, or visible dust is generated from vehicles using access roads, road watering would be implemented.	Construction		ARTC / Service Provider	
O5.1	The proposal would be managed in accordance with the air quality management requirements specified in the environment protection licence.	Operations		ARTC	
O5.2	Maintenance service vehicles and equipment would be maintained and operated in accordance with the manufacturers' specifications.	Operations		ARTC	