





Parkes to Narromine Inland Rail Project

Project # 808 – J013





### **Document Version Control**

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HEQ-TPe-00390 - Rev. 11 (15/12/2017)

## Air Quality Management Plan (AQMP) Parkes to Narromine Inland Rail Project # 808 – J013

## **Table of Contents**

1	Scope	5
	1.1 Purpose	5
2	Objective	6
	2.1 Environmental Objectives and Targets	6
3	References	7
	3.1 Key Legislative Requirements	7
	3.2 Standards and Guidelines	7
	3.3 State and Commonwealth Approval Requirements	7
	3.4 EIS Requirements and Response to Submissions (RtS) Mitigation Measures	17
	3.5 Construction Environmental Management Framework Requirements	18
	3.6 Stakeholder Consultation and Approval	18
4	Key Risks	20
	4.1 Existing Environment	20
	4.2 Air Quality Baseline Conditions	20
	4.3 Environmental Risk Assessment	22
	4.4 On-Going Risk Assessment	22
	4.5 Air Quality Criteria	23
	4.6 Impact Identification	23
5	Management	25
	5.1 Mitigation and Management Measures	25
	5.2 Construction Monitoring Program	
	5.3 Roles and Responsibilities	31
	5.4 Environmental Incidents, Non-Compliance and Complaints	
	5.5 Inspections and Auditing	
	5.6 Communication	
	5.7 Training and Awareness	
	5.8 Emergency Planning and Response	33
	5.9 Document Review	



### Attachments

## Attachment A – Sensitive Receiver Monitoring Location Maps

## Attachment B – Evidence of Consultation

## **Glossary of Terms**

Term	Definition		
AQMP	Air Quality Management Plan		
AS/NZS ISO 31000:2009	Australian Standard/ New Zealand Standard Risk management Principles and guidelines		
ВоМ	Bureau of Meteorology		
CEMF	Construction Environmental Management Framework		
СЕМР	Construction Environmental Management Plan		
СоА	Conditions of Approval		
со	Carbon Monoxide		
CSSI	Critical State Significant Infrastructure		
DPIE	Department of Planning, Industry and Environment		
EIS	Environmental Impact Statement		
EPA	Environment Protection Authority		
EPL	Environment Protection Licence		
ER	Environmental Representative		
IECA	International Erosion Control Association		
NEPM	National Environment Protection (Ambient Air Quality) Measure 2016		
NHMRC	National Health and Medical Research Council		
NO <sub>2</sub>	Nitrogen Dioxide		
NPI	National Pollutant Inventory		
OEH	Office of Environment and Heritage		
P2N	Parkes to Narromine		
PM <sub>2.5</sub>	Particulate Matter of size ≤ 2.5 µg		
PM <sub>10</sub>	Particulate Matter of size ≤ 10 µg		
SEMP	Site Establishment Management Plan		
SO <sub>2</sub>	Sulfur Dioxide		

Parkes to Narromine Inland Rail Project



## 1 Scope

## 1.1 Purpose

This Air Quality Management Plan (AQMP) focuses on the potential for air quality impacts on identified sensitive receivers during the construction phase of the Inland Rail Parkes to Narromine (P2N) project (the Project) undertaken by INLink (the contractor). This plan will address the environmental management and requirements of air quality during construction for the project. It has been prepared in consultation with relevant councils in accordance with the Conditions of Approval (CoA).

The Environmental Management System and project overview are outlined in the Construction Environmental Management Plan (CEMP) Chapter 1.



HEQ-TPe-00390 - Rev. 11 (15/12/2017)



#### **Objective** 2

#### 2.1 **Environmental Objectives and Targets**

The following air quality management performance objectives and targets will apply to construction phase of the Project:

- Meet the performance outcomes specified in the Environmental Impact Statement (EIS), submissions report and Conditions of Approval (CoA)
- No exceedances of applicable air quality assessment criteria as per baseline monitoring
- Minimise the occurrence and impact of particulate and odour emissions during construction
- Minimise gaseous and particulate pollutant emissions from construction activities as far as feasible • and reasonable
- Identify and control potential dust and air pollutant sources
- No exceedance of dust monitoring criteria of 2 g/m<sup>2</sup>/month averaged annually (maximum total deposited dust level)
- No exceedance of PM<sub>10</sub> monitoring criteria of 50 µg/m3 averaged over 24 hours and 25 µg/m3 averaged annually
- No exceedance of PM<sub>2.5</sub> monitoring criteria of 25 µg/m3 averaged over 24 hours and 8 µg/m3 averaged annually
- The project is designed, constructed and operated in a manner that minimises air quality impacts (including nuisance dust and odour) to minimise risks to human health and the environment to the greatest extent practicable
- The proposal is designed to minimise the potential for vegetation clearance and associated dust impacts
- The proposal is constructed and operated in accordance with the requirements of the Protection of the Environment Operations Act 1974 (POEO Act) and relevant EPLs
- Dust generated during construction will not exceed the relevant criteria in the National Environment Protection (Ambient Air Quality) Measure and the Approved Methods for the Modelling and Assessment of Air Pollutants in New South Wales (DEC 2005)
- No offsite odour emissions
- No burning of any waste material on site.

The environmental performance outcomes will be achieved through implementation of this plan and its mitigation measures. This will be managed through project inductions, specialised training, toolbox talks, inspections, and environmental monitoring and auditing. Project inductions will inform personnel of the management measures, while the toolbox talks and specialised training will ensure they are reinforced throughout the construction program.

HEQ-TPe-00390 - Rev. 11 (15/12/2017)

Page 6 of 47



## Parkes to Narromine Inland Rail Project

## 3 References

## 3.1 Key Legislative Requirements

## Key legislation pertaining to the management of potential air quality impacts include:

- Environment Protection Biodiversity Conservation Act 1999 (Commonwealth)
- Protection of Environment Operations Act 1997
- Environmental Planning and Assessment Act 1979
- Protection of the Environment Operations (Clean Air) Regulation 2010
- National Environment Protection Measure (Ambient Air Quality) 2016 (Commonwealth)
- National Greenhouse and Energy Reporting Act 2007 (Commonwealth)
- •

## 3.2 Standards and Guidelines

- Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (DEC 2016)
- Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (EEC 2007)
- Technical framework: Assessment and management of odour from stationary sources in NSW (DEC 2006)
- International Erosion Control Association (IECA) Guidelines (2008)
- AS 3580.1.1-2007 Methods for Sampling and Analysis of Ambient Air Guide to Siting Air Quality Monitoring Equipment
- AS 3580.9.8-2008 Method for sampling and analysis of ambient air Determination of suspended particulate matter – PM (sub) 10 (/sub) continuous direct mass method using a tapered oscillating microbalance analyser
- AS 2922 Ambient Air Guide for Citing of Sampling Equipment.

## 3.3 State and Commonwealth Approval Requirements

Under Part 5.1 of the NSW Environmental Planning and Assessment Act a declared State Significant Infrastructure project is assessed and must be approved by the Minister for Planning. Table 3-1 outlines the Conditions of Approval (CoA) (June 2018) for the project from the NSW Department of Planning, Industry and Environment (DPIE) related to air quality during the Project.

Part 5.4 Division 1 of the *Protection of Environment Operations Act 1997* (POEO Act) sections 124-132 outlines requirements to prevent air pollution and stipulates offences and penalties applicable to those identified as causing air pollution. These conditions form the Environment Protection Licence (EPL) (October 2018). Those related to the preparation of an AQMP are outlined in Table 3-2 below.

Table 3-1 – Conditions of Approval

Parkes to Narromine Inland Rail Project

100 1990



Ref ID	Details	Where addressed	How addressed
A5	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.	Section 3.6	Consultation has been carried out with Parkes Shire Council and Narromine Shire Council and the ER as outlined in Section 3.6. Attachment B contains the evidence of consultation.
A5a)	The evidence must include: Documentation of the engagement with the party (ies) identified in the condition for approval that has occurred prior to submitting the document for approval.	Section 3.6	Consultation has been carried out with Parkes Shire Council and Narromine Shire Council and the ER as outlined in Section 3.6. Attachment B contains the evidence of consultation.
A5b)	The evidence must include: A log of the points of engagement or attempted engagement with the identified party (ies) and a summary of the issues raised by them.	Section 3.6	The log of comments from Parkes Shire Council and Narromine Shire Council and the ER is identified within Table 3-5. Attachment B contains the evidence of consultation.
A5c)	The evidence must include: 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.	Section 3.6	Feedback from Parkes Shire Council and Narromine Shire Council and the ER is identified within Table 3-5. Attachment B contains the evidence of consultation.
A5d)	The evidence must include: An outline of the issues raised by the identified party (ies) and how they have been addressed.	Section 3.6	Issues raised from Parkes Shire Council and Narromine Shire Council and the ER is addressed within Table 3-5. Attachment B contains the evidence of consultation.



HEQ-TPe-00390 - Rev. 11 (15/12/2017)

Parkes to Narromine Inland Rail Project

100 1990



Ref ID	Details	Where addressed	How addressed
A5e)	The evidence must include: A description of the outstanding issues raised by the identified party (ies) and the reasons why they have not been addressed.	Section 3.6	Issues raised from Parkes Shire Council and Narromine Shire Council and the ER is addressed within Table 3-5. Attachment B contains the evidence of consultation.
A19d)	<ul> <li>For the duration of the works until the completion of construction, the approved ER must:</li> <li>Review documents identified in Conditions C1, C4, and C13 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: <ul> <li>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</li> <li>ii) make a written statement to this effect before the implementation of such documents are required to be submitted to the Secretary / Department for information or are not required to be submitted to the Secretary / Department).</li> </ul> </li> </ul>	Section 5.9	The ER has reviewed these documents and provided a written statement with endorsement.
A19e)	For the duration of the works until the completion of construction, the approved ER must: Regularly monitor the implementation of the document listed in Conditions C1, C4 and C13 to ensure implementation is being carried out in accordance with the document and the terms of this approval.	Section 5.5	Inspections and audits will be undertaken to ensure the conditions are implemented.
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.	Section 3.6	This sub-plan was provided to the relevant councils for consultation. The results of this consultation have been incorporated into the final plan and are summarised in Section 3.6.
C5 a)	The CEMP Sub-plans must state how the environmental performance outcomes identified in the EIS and Submissions Report, as modified by these conditions will be achieved.	Section 2.1	The environmental performance outcomes are outlined in Section 2.1



Parkes to Narromine Inland Rail Project

100



Ref ID	Details	Where addressed	How addressed
C5 b)	The mitigation measures identified in the EIS and Submissions Report, as modified by these conditions will be implemented.	Section 5.1.	The mitigation measures relevant to air quality are outlined in Section 5.1.
C5 c)	The relevant terms of this approval will be complied with:	This Plan	This condition will be demonstrated through the preparation and implementation of this AQMP.
C5 d)	Issues requiring management during construction, as identified through ongoing environmental risk analysis, will be managed.	Section 4.3 Section 4.4	The environmental risk assessment is outlined in Section 4.3 and describes the construction activities and predicted impacts.
			The quantitative risk assessment for the Project is outlined in the CEMP and includes a risk register for the construction activities associated with the Project. This also includes assessment for on- going environmental risk.
C6	The CEMP Sub-plans must be endorsed by the ER and then submitted to the Secretary for approval no later than one month before the commencement of the construction activities to which they apply.	Section 3.6	This AQMP is required to be approved by the DPIE no later than one month before the commencement of construction activities, as outlined in Section 3.6.
C7	Any of the CEMP Sub-plans may be submitted to the Secretary along with, or subsequent to, the submission of the CEMP.	Section 3.6	This AQMP will be submitted to DPIE along with, or subsequent to, the submission of the CEMP.



HEQ-TPe-00390 - Rev. 11 (15/12/2017)

Parkes to Narromine Inland Rail Project

100



Ref ID	Details		Where addressed	How addressed
C12	Construction must not comme and all CEMP Sub-plans have the Secretary. The CEMP Sul by the Secretary, including any approved by the ER, must be duration of the construction. W being staged, construction of the commence until the relevant C have been endorsed by the ER the Secretary.	nce until the CEMP been approved by b-plans, as approved y minor amendments implemented for the /here the CSSI is he at stage is not to EMP and Sub-plans R and approved by	Section 3.6	As outlined in Section 3.6, construction will not commence until this AQMP has been approved by the Secretary. This AQMP, as approved by DPIE, including any minor amendments approved by the ER, will be implemented for the duration of construction.
C13	The following Construction Mo must be prepared in consultati government agencies and rele identified for the Construction to compare actual performance the CSSI against performance performance.	onitoring Program ion with the relevant evant councils Monitoring Programs e of construction of predicted	Section 5.2	The Construction Monitoring Program has been prepared in consultation with relevant councils, as outlined in Section 3.6.
	Required Rele Construction Monitoring Programs Prog	evant government lorities to be sulted for each struction Monitoring gram		
	c) Air Quality Rele	vant councils		
C14	Each Construction Monitoring provide: a) Details of the baselin	onstruction Monitoring Program must : Details of the baseline data available.		The baseline data available has been outlined in Section 4.2 and Section 5.2.3 of the Construction Monitoring Program.
b)	Each Construction Monitoring provide: b) Details of the baselin and when.	<ul> <li>Construction Monitoring Program must de:</li> <li>Details of the baseline data to be obtained and when.</li> </ul>		Section 5.2.3 details the baseline monitoring that has occurred and is proposed to be undertaken.
c)	Each Construction Monitoring provide: c) Details of all monitori undertaken.	Construction Monitoring Program must de: c) Details of all monitoring of the project to be undertaken.		The Construction Monitoring Program outlines the different types of monitoring to occur, including mechanical monitoring, inspections and baseline monitoring.



Parkes to Narromine Inland Rail Project

101 100



Ref ID	Details	Where addressed	How addressed
d)	Each Construction Monitoring Program must provide: d) The parameters of the project to be monitored.	Section 5.2	The air quality parameters to be monitored are outlined in the Monitoring Program in Section 5.2.
e)	Each Construction Monitoring Program must provide: The frequency of monitoring to be undertaken.	Section 5.2	Monitoring during construction will occur continuously as outlined in Section 5.2.
f)	Each Construction Monitoring Program must provide: The location of monitoring.	Section 5.2	Four locations have been predetermined as monitoring locations, with the addition of locations throughout construction.
g)	Each Construction Monitoring Program must provide: e) The reporting of monitoring and analysis results against relevant criteria.	Section 5.2	Baseline monitoring results will be included in the plan once they are received.
h)	Each Construction Monitoring Program must provide: f) Procedures to identify and implement additional mitigation measures where results of monitoring are unsatisfactory	Section 5.1. Section 5.4	Mitigation measures for air quality are outlined in Section 5.1.
i)	Each Construction Monitoring Program must provide: g) Any consultation to be undertaken in relation to the monitoring programs.	Section 5.2. Section 3.6	Consultation of the AQMP and Monitoring Program was undertaken and is outlined in Section 3.6.
C15	The Construction Monitoring Programs must be endorsed by the Environmental Representative (ER) and then submitted to the Secretary for approval at least one (1) month before commencement of construction.	Section 3.6	The Construction Monitoring Program was endorsed by the ER and submitted to DPIE for approval at least one month before commencement of construction.



HEQ-TPe-00390 - Rev. 11 (15/12/2017)

Parkes to Narromine Inland Rail Project

100



Ref ID	Details	Where addressed	How addressed
C16	A construction activity must not commence until the Secretary has approved all the required Construction Monitoring Programs relevant to that activity, and all the necessary baseline data for the monitoring programs has been collected.	Section 3.6	Construction activities, involving air quality, did not commence until DPIE has approved the Construction Monitoring Program, and all the necessary baseline data for the monitoring program has been collected.
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.	Section 5.2	The Construction Monitoring Program will be implemented for the duration of the Project, as outlined in Section 5.2.
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.	Section 5.2 CEMP Section 7.4	The results of the Construction Monitoring Program will be in the form of a Construction Monitoring Report and will be provided at the frequency required by the Construction Monitoring Program, as outlined in Section 7.4 of the CEMP.
C19	Where relevant CEMP Sub-plans exists, the relevant Construction Monitoring Program may be incorporated into that CEMP Sub-plan.	Section 5.2	The relevant Construction Monitoring Program for air quality is incorporated into this AQMP.
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 construction and operation of the CSSI.	Section 5.1	Mitigation measures for air quality are outlined in Section 5.1.

#### Table 3-2 – Conditions of Environment Protection Licence

Ref ID	Details	Where addressed
A3.1	Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.	CEMP and Sub-plans

HEQ-TPe-00390 - Rev. 11 (15/12/2017)

Parkes to Narromine Inland Rail Project

100



Ref ID	Details	Where addressed
P1.1	The following points referred to in the table below are identified in this licence for the purpose of monitoring and / or setting of limits for the emission of pollutants to the air from point.	Section 5.2
	<ol> <li>Dust Monitoring: Monitoring of PM2.5 and PM10 by Dust Trak (portable electronic real-time 24-hour monitoring). Location dependent on determination of sensitive receivers nearby construction work.</li> </ol>	
O2.1	All plant and equipment installed at the premises or used in connection with the licensed activity:	Section 5.1
	<ul> <li>Must be maintained in a proper and efficient condition; and</li> </ul>	
	b) Must be operated in a proper and efficient manner.	
O3.1	All areas in or on the premises must be maintained in a condition that prevents or minimises the emission into the air pollutants (which includes dust).	Section 5.1
O3.2	Any activity in or on the premises must be carried out by such practicable means as to prevent or minimise the emission into the air pollutants (which includes dust).	Section 5.1
O3.3	Any plant in or on the premises must be operated by such practicable means as to prevent or minimise the emission into the air or air pollutants (which includes dust).	Section 5.1
M1.1	The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.	Section 5.2
M1.2	All records required to be kept by this licence must be:	CEMP Section 7.4
	<ul> <li>a) In a legible form or in a form that can readily be reduced to a legible form</li> </ul>	
	<ul> <li>Kept for at least 4 years after the monitoring or event to which they relate took place</li> </ul>	
	<ul> <li>Produced in a legible form to any authorised officer of the EPA who asks to see them.</li> </ul>	
M1.3	The following records must be kept in respect of any samples required to be collected for the purposes of this licence:	CEMP Section 8.3
	a) The date on which the sample was taken	
	b) The time at which the sample was collected	
	c) The point at which the sample was taken	
	d) The name of the person who collected the sample.	
M2.1	For each monitoring / discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the specified opposite in the other columns:	Section 5.2



HEQ-TPe-00390 - Rev. 11 (15/12/2017)

Parkes to Narromine Inland Rail Project

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Ref ID	Details			Where addressed	
M2.2	Air Monitoring R	equirements			Section 5.2
	Pollutant	Units of Measure	Frequency	Sampling Method	
	PM10	µ/m <sup>3</sup>	Continuous	AM-22	
	PM2.5	µ/m³	Continuous	AM-22	
M3.1	<ul> <li>Monitoring for the concentration of a pollutant emitted to the air required to be conducted must be in accordance with:</li> <li>a) Any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or</li> <li>b) If no such requirement is imposed by or under the Act, any methodology which a condition of this licence required to be used for that testing; or</li> <li>c) If no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.</li> <li>Note: The Protection of the Environment Operations (Clean Air) Regulation 2010 requires testing for certain purposes to be conducted in accordance with test methods contained in the publication.</li> </ul>		Section 5.2		
M4.1	The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.			Section 5.6 CEMP Section 8	
M4.2	The record must include details of the following:			Section 5.6	
	a) The dat	te and time of th	e complaint		CEMP Section 8
	b) The me	thod by which th	ne complaint was m	nade	
	<li>c) Any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect</li>				
	d) The nat	ture of the comp	laint		
	e) The act compla compla	ion taken by the int, including any inant	licensee in relatior y follow-up contact	n to the with the	
	f) If no ac no actio	tion was taken b on was taken.	by the licensee, the	reasons why	
M4.3	The record of a of the complaint wa	complaint must b as made.	be kept for at least	4 years after	CEMP Section 7.4
M4.4	The record must EPA who asks to	be produced to see them.	any authorised offi	cer of the	CEMP Section 7.4



HEQ-TPe-00390 - Rev. 11 (15/12/2017) ARTC Document Number - 5-0012-240-EEC-00-PJ-0001\_3 (16/03/2020)

Parkes to Narromine Inland Rail Project

100 1990



Ref ID	Details	Where addressed
M5.1	The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.	CEMP Section 6.3
M5.2	The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that impacted community knows how to make a complaint.	CEMP Section 6.3
M5.3	The preceding two conditions do not apply until 3 months following the date of the issue of this licence.	CEMP Section 6.3
M5.4	<ul> <li>The licensee must ensure that the community notification is undertaken:</li> <li>By including details on the project website: <ul> <li>i) How the public can make a complaint on the complaints telephone line</li> <li>ii) How complaints will be processed.</li> </ul> </li> <li>By displaying clear signage at the boundary of each work site that contains both the telephone complaints line number and project website details.</li> </ul>	CEMP Section 8.2
R1.1	<ul> <li>The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:</li> <li>Statement of Compliance</li> <li>Monitoring and Complaints Summary</li> <li>Statement of Compliance – Licence Conditions</li> <li>Statement of Compliance – Load Based Fee</li> <li>Statement of Compliance – Requirement to Prepare Pollution Incident Response Management Plan</li> <li>Statement of Compliance – Requirement to Publish Pollution Monitoring Data; and</li> <li>Statement of Compliance – Environmental Management Systems and Practices.</li> <li>At the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.</li> </ul>	CEMP Section 7.4
R1.2	An Annual Return must be prepared in respect of each reporting period, except as provided below.	CEMP Section 7.4
R1.6	The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.	CEMP Section 7.4
R2.1	Notifications must be made by telephoning the Environment Line service on 131 555. The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.	CEMP Section 7.4





Parkes to Narromine Inland Rail Project



Ref ID	Details	Where addressed				
R2.2	The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.	CEMP Section 7.4				
R3.1	Where an authorised officer of the EPA suspects on reasonable grounds that:	CEMP Section 7.4				
	<ul> <li>Where this licence applies to premises, an event has occurred at the premises; or</li> </ul>					
	<ul> <li>Where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence,</li> </ul>					
	And the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.	And the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.				
R3.3	The request may require a report which includes any or all of the following information:					
	a) The cause time and duration of the event					
	<ul> <li>b) The type, volume and concentration of every pollutant discharged as a result of the event</li> </ul>					
	c) The name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event					
	d) The name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort					
	<ul> <li>Action taken by the licensee in relation to the event, including any follow-up contact with any complainants</li> </ul>					
	<ul> <li>f) Details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event</li> </ul>					
	g) Any other relevant matters.					

## 3.4 EIS Requirements and Response to Submissions (RtS) Mitigation Measures

Requirements from the EIA and mitigation measures from the RtS that are relevant to the management of air quality are outlined in Table 3-3 below.

Ref ID	Details	Where addressed
EIS 13.1.3	Companies and property owners are legally bound to control emissions (including particulates and deposited dust) from construction sites under the POEO Act.	Section 5.1
EIS 13.1.3	The goal for the Air NEPM is a $PM_{10}$ of 50 micrograms per cubic metre ( $\mu$ g/m <sup>3</sup> ) as a 24-hour average (no exceedances per year) and a $PM_{2.5}$ goal of 25 $\mu$ g/m <sup>3</sup> as a 24-hour average.	Section 4.5

Parkes to Narromine Inland Rail Project



Ref ID	Details	Where addressed
C5.1	Where sensitive receivers are located within 150m of construction, or visible dust is generated from vehicles using access roads, road watering would be implemented.	Section 5.1

## 3.5 Construction Environmental Management Framework Requirements

The Construction Environmental Management Framework (CEMF) sets out the environmental management requirements for construction. The CEMF provides a link between the planning approval phase, detailed design and the construction environmental management documentation.

CEMF requirements in relation to the preparation of an AQMP are outlined in Table 3-4 below. The CEMF from which these requirements are extracted is intended to be a publicly released document.

Ref ID	Details	Where addressed
6.3 a)	Develop and implement an Air Quality Management Plan, as part of the CEMP, which must include, as a minimum the air quality mitigation measures as detailed in the Project approval documentation and Project conditions of approval.	Section 5.1 and 5.2
6,3 b)	The requirements of the applicable EPL conditions.	Section 3.3
6.3 c)	Site plans or maps indicating locations of sensitive receivers and key air quality / dust controls.	Attachment A
6.3 d)	The responsibilities of key project personnel with respect to the implementation of the plan.	Section 5.3
6.3 e)	Air quality and dust monitoring requirements and any monitoring locations specified by the project conditions of approval or applicable EPL conditions.	Section 5.2
6.3 f)	Identification and documentation of any competencies, training, experience or qualification of personnel undertaking works under this plan.	Section 5.3
6.3 g)	Compliance record generation and management.	Section 5.5 CEMP Section 7.4

Table 3-4 – Construction Environmental Management Framework Requirements

## 3.6 Stakeholder Consultation and Approval

In accordance with the CoA this AQMP has been developed in consultation with relevant local Councils.

Further, this AQMP as a Sub-plan to the CEMP is required to be approved by the Department of Planning, Industry and the Environment (DPIE) and endorsed by the Environmental Representative (ER) prior to the commencement of construction as required by the CoA.



This consultation is intended to assist in development and finalisation of the plan. Table 3-5 summarises relevant stakeholder reviews and response to review.

Table 3-5 –	Summarv	of	Consultation	and	Approval
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Agency	Requirement	Status	Response1	Date
Parkes Shire Council	Consultation	Completed	<ul> <li>Comments Sheet</li> <li>Comments included in Revision E of PWMP</li> </ul>	26 September 2018
Narromine Shire Council	Consultation	Completed	<ul> <li>Comments Sheet</li> <li>Comments included in Revision E of PWMP</li> <li>Confirmation of satisfaction with comments</li> </ul>	8 October 2018 10 December 2018
ER	Endorsement	Completed	Letter with Comments	2 November 2018
DPIE	Approval	Complete	Letter with Comments	18/02/2019

Ongoing consultation with local councils will be undertaken with respect to air quality. These may occur during events such as when a sensitive receiver complaints or enquiries is received. Breaches of key environmental performance targets may be communicated to the local council if this is helpful and assists in resolving an outstanding issue. Other occasions where continuing consultation with Council would occur include project changes include progress where the work moves into a different area.





Parkes to Narromine Inland Rail Project



## 4 Key Risks

## 4.1 Existing Environment

Most of the proposal site passes through rural land. Sensitive receivers are concentrated in the main towns (Parkes, Peak Hill, and Narromine), with scattered sensitive receivers located on rural properties surrounding the linear project corridor. The EIS identified thirty sensitive receivers (residences only) within 200m of the project site. The closest residential receiver is located about 45m from the proposal site. Other sensitive receivers could include schools, medical clinics, hospitals. The number and location of identified sensitive receivers could change with refinement of the project corridor (or ancillary areas) and further assessment by community engagement specialists would be required if detailed design changes from that assessed by the EIS.

Air quality sensitive receiver locations initially identified in the EIS are presented in Attachment A.

If there are any exceedances of air quality criteria throughout construction the mitigation measures outlined in Section 5.1 will be revised. The Communications Strategy will be implemented to handle any complaints received, and liaison with the local community.

## 4.2 Air Quality Baseline Conditions

Air quality in the project area is predominately influenced by rural activities, vehicle emissions, mining and exploration activities with limited industrial and processing activity impact. The National Pollutant Inventory (NPI) lists three sources of emissions between Parkes and Narromine (GHD 2017). Two being extractive industries and one associated with mineral, metal and chemical wholesaling.

The nearest publicly available air quality monitoring station is located about 135km to the east of Parkes at Bathurst. The highest 70%  $PM_{10}$  value recorded (averaged over 5 years) for this location was 16.9µg/m<sup>3</sup> which is below the NSW average of 30µg/m<sup>3</sup> (GHD 2017). The gaseous pollutants sulfur dioxide (SO<sub>2</sub>), nitrogen dioxide (NO<sub>2</sub>), carbon monoxide (CO) and odour were negligible with average values zero (GHD 2017).

It is recognised that limited data on background air quality conditions is available for the project area. This is due to the lack of publicly available air quality monitoring data for the study area. To assess the baseline conditions monitoring of background air quality conditions at several sites along the project alignment has been and will continue to be undertaken prior to commencement of construction to assist in establishing meaningful localised data on background conditions as outlined in Section 5.2. The method of monitoring that has been implemented is via a DustTrak Aerosol Monitor.

As at January 2019, progress on the current baseline monitoring programme is summarised as:

- Location AQM4 (Table 5-2 and Figure 1) completed 9-21 November 2018. A maximum daily average PM<sub>2.5</sub> of 0.013mg/m<sup>3</sup> and PM<sub>10</sub> of 0.018mg/m<sup>3</sup> were recorded (21 November 2018).
- Location AQM1 (Table 5-2 and Map 1) completed 17-31 January 2019. A maximum daily average PM<sub>2.5</sub> of 0.029mg/m<sup>3</sup> (exceeding the criteria) and PM<sub>10</sub> of 0.050mg/m<sup>3</sup> were recorded (18 January 2019).



- Location AQM2 (Table 5-2, Maps 1 and 3 respectively) for forward completion. A maximum daily average PM<sub>2.5</sub> of 0.025mg/m<sup>3</sup> and PM<sub>10</sub> of 0.049mg/m<sup>3</sup> were recorded (12 February 2019).
- Location AQM3 (Table 5-2 and Map 5) in progress 17 January to 7 February 2019. A maximum daily average PM<sub>2.5</sub> of 0.011mg/m<sup>3</sup> and PM<sub>10</sub> of 0.014mg/m<sup>3</sup> were recorded (14 March 2019).

The baseline monitoring locations are provided in the maps of Attachment A and Figure 1.

A review of Bureau of Meteorology (BoM) data recorded for Parkes Airport indicated wind speeds are typically greater in spring and summer (GHD 2017). A five-year wind rose for Parkes indicated that calm, light and gentle winds occur for nearly 80% of the time with only 20% of wind above 19.8km/h representing a level that could result in nuisance dust (GHD 2017). Most high winds occur from the north-east and south west quadrants.



Figure 1: Dust monitor location AQM4, at the north-west connection (as at January 2019)





## 4.3 Environmental Risk Assessment

Construction activities have the potential to impact on air quality. A risk assessment was undertaken in the EIS that included the use of desktop database searches, field surveys and mapping.

The Project would result in the increased movement of vehicles and people to, around and within the proposal site during construction. The main impact to air quality will be during the construction phase of the Project will be through the exposure of subsoils and movement and transportation of these materials.

## 4.4 On-Going Risk Assessment

A risk management approach will be used to determine the severity and likelihood of an activity's impact on the environment and to prioritise its significance. This process considers potential regulatory and legal risks as well as taking into consideration the concerns of community and other key stakeholders.

The objectives of risk assessment are to:

- Identify activities that have the potential to adversely affect the local environment and/or human health
- Qualitatively evaluate and categorise each risk item
- Assess whether risk issues can be managed by environmental protection measures
- Quantitatively evaluate and categorise each risk item
- Assess whether risk issues can be managed by environmental protection measures.

Risk assessments for the Project are based on AS/NZS ISO 31000:2009, the Australian and New Zealand Standard for Risk Assessments. The purpose of risk evaluation is to separate risk to be tolerated from those to be treated, by determining the severity of each risk and developing a prioritised list of risks that require treatment. The severity of each risk is determined from the Project Risk Level Matrix.

A risk register has been developed (Risk and Opportunities Register Attachment C of the CEMP) and includes a list of activities associated with the Project, related aspects and corresponding risks. Measures to minimise the identified environmental risks are also provided (Section 3 of the CEMP). On-going risk assessment will be implemented throughout the construction program in accordance with Section 3.2 of the CEMP. This will ensure new and changed environmental issues are identified and appropriately addressed.

Table 4-1 provides indicative timeframes to be observed during on-going risk assessment. In the case of a less structured trigger for risk assessment (i.e. site discussion or community/stakeholder), the timeframe for a comparable path to risk management decision or outcome would apply.

Risk Assessment Trigger	Path to Risk Management Decision/Outcome	Time Frame
Project or Toolbox Meeting	Develop or revise WMS, JHA card; Implement mitigation measures (where applicable/appropriate)	Daily - Monthly

#### Table 4-1 – Indicative Timeframes Observed During On-Going Risk Assessment

Parkes to Narromine Inland Rail Project



Risk Assessment Trigger	Path to Risk Management Decision/Outcome	Time Frame
Site Discussion	Activity based conversation; Develop or revise WMS, JHA card; Implement mitigation measures (where applicable/appropriate)	As Raised
Community/Stakeholder	Investigate activity/data, etc; Implement mitigation measures (where applicable/appropriate)	On Presentation
Key Environmental Performance Target Impact (e.g. Monitoring Data Alert)	Review/confirm data triggers; Implement mitigation measures (where applicable/appropriate)	Daily / Weekly / Monthly / Other Period

## 4.5 Air Quality Criteria

Air quality assessment criteria which should be met at existing or future off-site sensitive receivers were outlined in the EIS undertaken by GHD in 2017. A summary of these criteria, which are applicable to the construction phase of the Project, are provided in Table 4-2 below. It should be noted that the EIS determined that potential impacts associated with the construction phase of the Project are best assessed through measurement of PM<sub>10</sub> over a 24-hour period. It should be noted no quantitative assessment criteria for nuisance odour at off-site sensitive receivers were provided in the EIS. This resulted from a determination that odorous emissions are unlikely to impact off-site sensitive receivers during the operational phase of a rail corridor.

Table	4-2 -	Air	Quality	Assessment	Criteria
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Pollutant	Averaging Period	<b>Criteria</b> (taken from Table 7.1 NSW Approved Methods for Modelling and Assessment of Air Pollutants 2016)	Source
PM10	24 hr	50 μg/m³	Department of the Environment 2016
	Annual	25 μg/m³	Department of the Environment 2016
PM <sub>2.5</sub>	24 hr	25 μg/m³	Department of the Environment 2016
	Annual	8 µg/m³	Department of the Environment 2016
Dust deposition	Annual	2 g/m <sup>2</sup> /month <sup>2</sup>	Department of the Environment 2016

<sup>a</sup> maximum total deposited dust level.

## 4.6 Impact Identification

During the construction phase of the Project, there is the potential for emissions of total suspended particulate matter in the form of airborne particulate matter ( $PM_{10}$ ) and dust deposition.

Fine particle emissions (PM<sub>2.5</sub>) associated with exhaust from mobile plant and stationary engines used during construction activities is expected to be discontinuous, short term transient, and mobile.

Total suspended particles are usually assessed against annual assessment criteria, which is not relevant for a proposal where construction progresses along a project corridor (linear). Dust deposition is usually assessed against monthly criteria and may be applicable in instances where



construction activities are undertaken continuously at a site within the project area for greater than one month. As a result, for this proposal,  $PM_{10}$  was the worst-case pollutant for construction activities when determining potential impacts and distances at which relevant criteria are achieved. Owing to the transient nature of construction during the project an assessment period of 24 hours for  $PM_{10}$  is considered most appropriate for assessment of any impacts. For construction activities undertaken continuously at the same site for greater than one-month maximum total deposited dust criteria may also be considered applicable.

Dust generated during construction will not exceed the relevant criteria in the National Environment Protection (Ambient Air Quality) Measure and the Approved Methods for the Modelling and Assessment of Air Pollutants in New South Wales (DEC 2005).



HEQ-TPe-00390 - Rev. 11 (15/12/2017)



## 5 Management

## 5.1 Mitigation and Management Measures

Key mitigation measures to manage air quality impacts during the construction phase of the Project are outlined in Table 5-1.

The implementation of these measures will be controlled through Project Inductions for all personnel, specialised training, toolbox talks, inspections and environmental monitoring and auditing. Project Inductions will inform personnel of the below measures, while the toolbox talks and specialised training ensure they are reinforced throughout the construction program.

Environmental monitoring and auditing will be used to assess the performance of the mitigation measures against the environmental objectives and relevant guidelines and legislation. Inspections will also be utilised as a measure to ensure the implementation of the measures is undertaken. Any non-conformances towards the mitigation measures identified in the inspections will be noted and the above measures will be reinforced to rectify the issue.

Ref ID	Mitigation measures	Responsibility	Source
AQ1	Where sensitive receivers are located within 150m of construction or visible dust is generated, dust suppression will be implemented through the use of soil binders (e.g. watering).	Environmental Manager	REMM C5.1
AQ2	Any vehicles, plant or equipment non-compliant with standards or producing excessive (visual assessment) emissions will be disused immediately until service/maintenance can be undertaken to return them to normal working order.	Foreman	CEMF EIS Appendix K: CEMP Outline - Table K.1
AQ3	All plant will be operated to maintain compliance with section 124 and maintained in accordance with manufacturer's specifications to ensure compliance with section 125 of the POEO Act.	Foreman	CEMF EIS Appendix K: CEMP Outline - Table K.1
AQ4	Any manufacturer specified exhausts and/or baffles will be installed and operational as per specifications.	Foreman	EIS Appendix K: CEMP Outline - Table K.1
AQ5	Equipment, plant and machinery will not be left running or idling unnecessarily.	Foreman	CEMF
AQ6	Low sulfur content diesel fuel / oil will be utilised where available.	Environmental Manager	Good Practice
AQ7	Water or other dust suppression techniques will be used for active earthwork areas or in areas where visible dust is present for extended periods.	Environmental Manager	CEMF

### Table 5-1 – Mitigation Measures



HEQ-TPe-00390 - Rev. 11 (15/12/2017)

Parkes to Narromine Inland Rail Project

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Ref ID	Mitigation measures	Responsibility	Source
AQ8	Wherever possible, work activities likely to generate excessive dust will be programmed during mornings in winter and autumn when wind speeds are lower.	Environmental Manager	CEMF
AQ9	Existing vegetation and ground coverage (topsoil including seed banks) will be retained wherever possible and stockpiled with stabilisation or cover as appropriate.	Environmental Manager	Good Practice
AQ10	Topsoils and ground cover will be replaced following ground disturbance as soon as practical.	Environmental Manager	Good Practice
AQ11	Landscaping of completed works will be carried out as soon as possible after works completion to assist in limiting dust levels and assist in reestablishment.	Environmental Manager	Good Practice
AQ12	Implementation of appropriate and effective erosion and sediment control techniques (see Primary Erosion and Sediment Control Plan), particularly ground cover and/or soil stabilisation techniques.	Environmental Manager	CEMF
AQ13	All vehicles hauling materials will be adequately covered and not overloaded.	Foreman	Good Practice
AQ14	Wherever possible, haulage likely to generate excessive dust or odour will be scheduled during mornings. Seasonal variation in wind strength, with lighter winds during winter/spring, will also be considered when scheduling works.	Environmental Manager	Good Practice
AQ15	Prevailing wind direction will be considered when planning works.	Environmental Manager	Good Practice
AQ16	Where sensitive receivers are located within 150m of construction and construction are stood down for an extended period (e.g. Christmas break) soil stabilisers or similar controls will be applied to reduce impacts of offsite nuisance dust as required.	Environmental Manager	Good Practice
AQ17	Devices such as shaker grids and / or rock entry exit points will be installed as per IECA Guidelines.	Environmental Manager	CEMF EIS Appendix K: CEMP Outline – Table K.1
AQ18	Sediment would be promptly removed from roads to minimise dust generation and material entering road drainage system. Where required, this would entail use of street sweepers to remove tracked material from public roads.	Environmental Manager	CEMF EIS Appendix K: CEMP Outline – Table K.1
AQ19	Spoil stockpile areas not being worked will be stabilised and temporarily covered wherever possible.	Environmental Manager	Good Practice



HEQ-TPe-00390 - Rev. 11 (15/12/2017)

Parkes to Narromine Inland Rail Project

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Ref ID	Mitigation measures	Responsibility	Source
AQ20	Spoil and stockpiles to be positioned in existing rail corridor as a preference and as far from sensitive receivers as practical.Environmental ManagerGood Manager		Good Practice
AQ21	Spoil and stockpiles to be located outside the drip lines of trees.	Environmental Manager	Good Practice
AQ22	Spoil and stockpiles will be located to avoid affecting downstream flood regimes.	Environmental Manager	Good Practice
AQ23	Spoil and stockpiles will be located to avoid impact on identified heritage values.	Environmental Manager	Good Practice
AQ24	Height of permanent stockpiles will be minimised and will not exceed the top height of the upgraded rail line.	Environmental Manager	CoA E53 (a)
AQ25	Acid sulfate soils, green waste or soil classified as unsuitable for the proposed land use (not including unsuitable construction material) will be stockpiled separately.	Environmental Manager	Good Practice
AQ26	Temporary fencing will be installed around spoil and stockpiles, with shade cloth on boundary fencing to minimise horizontal migration of any dust along ground surface boundary layer particularly if construction is being undertaken within 100 metres of sensitive receptors to minimise dust transported from the site during construction.	Environmental Manager	CoA C26 and C27
AQ27	Putrescible waste will be stored in suitable closed receptacles to prevent offsite odour impacts.	Environmental Manager	Good Practice
AQ28	Waste generated will be removed from site for disposal at an appropriate waste management facility at regular intervals to minimise offsite odour impacts.	Environmental Manager	Good Practice
AQ29	Any complaints received that are relevant to the Project within the Narromine local government area will be reported to Narromine Council.	Environmental Manager	Stakeholder Consultation
AQ30	No burning of vegetative or other waste material to be carried out to prevent air quality impacts through smoke emissions.	Environmental Manager	Good Practice
AQ31	Dust levels will be monitored visually and adaptive mitigation measures will be implemented whenever excessive dust generation is identified.	Environmental Manager	CEMF EIS Appendix K: CEMP Outline - Table K.1
AQ32	All site personnel will undertake a project induction in relation to their role and responsibilities and identifying and managing risk of impacts to air quality during construction.	Environmental Manager	Good Practice



HEQ-TPe-00390 - Rev. 11 (15/12/2017)

Parkes to Narromine Inland Rail Project



Ref ID	Mitigation measures	Responsibility	Source
AQ33	If unfavourable climatic conditions are predicted (through review of Bureau of Meteorology local weather forecasts) that could affect project activities e.g. earthworks, haulage and spray painting, methods will be reviewed and modified as required.	Environmental Manager	Good Practice
AQ34	All site personnel should be informed of any impending unfavourable climatic conditions and possibility of changed work activities and the potential for changed work activities.	Environmental Manager	Good Practice
AQ35	Vehicle movements would be limited to designated entries and exits, haulage routes, and parking areas.	Environmental Manager	EIS Appendix K: CEMP Outline - Table K.1
AQ36	Advance warning would be provided to sensitive receivers in relation any significant dust generating activities undertaken in close proximity to sensitive receptors, including stock.	Environmental Manager	EIS Appendix K: CEMP Outline - Table K.1

## 5.2 Construction Monitoring Program

## 5.2.1 Baseline Monitoring

Available background air quality baseline conditions along the project have been outlined in Section 4.2. It is recognised that available background air quality data is limited due to an absence of publicly available information for the study area. To obtain further baseline air quality data monitoring in accordance with Table 5-2 has been and will continue to be implemented prior to commencement of construction. The below locations proposed for baseline monitoring have been determined based on their proximity to numerous sensitive receivers along the project corridor (Refer to Attachment A).

Table	5-2	–Air	Quality	Monitoring	Program
IUNIO	~ ~	/\ll	quanty	monitoring	riogram

Measure	Method	Location	Frequency	Timing
PM <sub>2.5</sub> PM <sub>10</sub>	24 hours	AQM1 Chainage 450.000 at the project site boundary	<ul><li>14 days monitoring (Monday to Sunday)</li><li>1 month prior to works commencing at this location</li></ul>	Pre-construction
			Continuously	During construction of site area
PM <sub>2.5</sub> PM <sub>10</sub>	24 hours	AQM2 Chainage 498.000 at project site boundary	<ul><li>14 days monitoring (Monday to Sunday)</li><li>1 month prior to works commencing at this location</li></ul>	Pre-construction
			Continuously	During construction of site area



HEQ-TPe-00390 - Rev. 11 (15/12/2017)

Parkes to Narromine Inland Rail Project



Measure	Method	Location	Frequency	Timing
PM2. PM10	24 hours	AQM3 Chainage 523.000 at project site boundary	<ul><li>14 days monitoring (Monday to Sunday)</li><li>1 month prior to works commencing at this location</li></ul>	Pre-construction
		,	Continuously	During construction of site area
PM2.5 PM10	24 hours	AQM4 North West Link East, 50m from	<ul><li>14 days monitoring (Monday to Sunday)</li><li>1 month prior to works commencing at this location</li></ul>	Pre-construction
		boundary	Continuously	During construction of site area

Baseline monitoring has begun in the north-west of the site, with this location chosen for the initial monitoring due to most of the bulk earthworks being completed in this area. The data for this monitoring will be compiled and stored as the baseline conditions as it is collected

## 5.2.2 Construction Monitoring

Construction monitoring of air quality will be undertaken continuously throughout construction. A targeted limited background / activity based mechanical monitoring program will also be undertaken to establish baseline conditions and compliance with applicable 24-hour averaging time standard checked against this background level.

Construction monitoring for particulate matter will be conducted as per Table 5-2, Regulatory requirements and the relevant Australian Standards. Monitoring for dust deposition will be undertaken at the locations identified in Attachment A. These locations have been selected due to their proximity to both construction works and sensitive receivers. The monitoring of dust deposition is dependent on the construction program, with monitoring only being completed at these locations while construction is active in the vicinity. Monitoring will be reviewed against relevant assessment criteria and parameters outlined in Table 4-2. Consultation has been undertaken with relevant Councils regarding the Construction Monitoring Programs for air quality in accordance with consultation requirements outlined in the CEMP Chapter 8.

Monitoring and analysis of data will be carried out by a suitably qualified and experienced person. Evidence of competence must be retained. Where monitoring determines non-compliance to be a risk or to have occurred, an incident report and corrective actions are to be raised and reported in accordance with Section 5.4 and 5.8 of this AQMP and Section 6 of the CEMP. As the monitoring crew and equipment would be located onsite for continuous monitoring it would take up to one hour for the crew to mobilise to another area of the project, in the event unscheduled monitoring is required elsewhere.

Table 5-2 outlines the monitoring program to evaluate the effectiveness of air quality controls to be implemented during construction. This includes initial quantitative monitoring to be undertaken at the background level locations following commencement of construction to facilitate a comparison against applicable assessment criteria whilst considering background levels at these locations. Quantitative air quality monitoring may also be required at other locations during construction and

this should be determined by the Environmental Manager (determined by. construction activity, proximity to sensitive receiver, complaint or as requested by client, ER or Regulatory Authority).

#### Table 5-3 – Air Quality Monitoring Program Summary

Program	Responsibility	Frequency
A daily visual inspection of each worksite is to be conducted to assess likelihood of dust generation, evidence of excessive vehicle exhausts (not to exceed 10 second duration), wind and weather conditions, works program for dust generation potential and effectiveness of the dust mitigation measures.	Environment Manager	Daily Diary Duration of Project
A visual inspection of each worksite is to be conducted weekly to monitor the effectiveness of dust mitigation measures and determine if dust is migrating offsite the results entered on the Weekly Environmental Checklist. Weekly Environmental Checklist are to be recorded and filed, and the data available for auditing and review on request.	Environment Manager	Weekly Environmental Checklist Duration of Project
Monitoring of PM2.5 and PM10 is to be undertaken with the use of a mechanical monitor (e.g. The DustTrak™ II Aerosol Monitor) for 24 hour periods. Monitoring locations will be as per the following:	Environment Manager	As required for the duration of 'Construction' works as defined within the CoA.
• The locations as identified within the EIS (Attachment A)		
At multiple sensitive receivers in close proximity to each     other and the construction works		
<ul> <li>In response to construction work (potential for impact to air quality e.g. movement of subsoils) and proximity of construction work to sensitive receivers</li> </ul>		
In response to complaint		
Exceedances to be investigated (determine if exceedances are due to construction works), reported and mitigation measures implemented within the following 24 hours.		
Dust deposition monitoring:	Environment Manager	Monthly <sup>1</sup>
Use of dust deposition gauge		

<sup>1</sup>Dust deposition monitoring will be dependent on the construction program and will only occur when construction is active in the vicinity of the monitoring location.

## The following records must be kept in respect of any samples required to be collected for the purposes of this AQMP, CoA, and EPL:

- The date on which the sample was taken
- The time at which the sample was collected
- The point at which the sample was taken
- The name of the person who collected the sample
- Details and calibration records of the sampling equipment

HEQ-TPe-00390 – Rev. 11 (15/12/2017)



• Meteorological conditions at the time of sampling.

All quantitative air quality monitoring data collected to be collated and assessed against applicable criteria. All air quality monitoring data obtained will be reported in the Monthly Report (Refer to CEMP Section 7.4). Any exceedances against assessment criteria will be reported as a Non-Compliance or an Environmental Incident and will be managed in accordance with Section 5.4 of this AQMP. This includes both visual and quantitative air quality monitoring results. Any complaints in response to air quality will be reported as a Non-compliance or an Environmental Incident as a Non-compliance or an Environmental Incident and will be managed in accordance with Section 5.4 of this AQMP.

Consultation for this monitoring program has been undertaken during the consultation process for the AQMP. As the program forms a section of the AQMP, consultation was undertaken simultaneously in accordance with Section 3.6.

## 5.2.3 Inspections

Weekly inspections will be performed by Environmental Manager or their delegate and documented in the Weekly Environmental Checklist. Daily visual monitoring of potential problem areas including stockpiles, access tracks, site access points, and exposed earthworks areas to be inspected.

On-going visual checks will be carried out to ensure no work activities are causing environmental nuisance or harm through excessive dust, emissions, smoke or odours. If visual check identifies that work activities are causing environmental nuisance or harm the visual check must be documented using the Weekly Environmental Checklist and recorded as a Non-Compliance or Environmental Incident as per Section 5.4 of the AQMP. The visual monitoring is to be undertaken in addition to quantitative monitoring. The visual results will be assessed against the quantitative results to ensure the data is consistent, and the methods of visually assessing air quality are valid. Construction Compounds

Monitoring will be undertaken at the construction compounds located along the project site to ensure activities within the facility are not adversely affecting the air quality. This will be consistent with the monitoring undertaken across the project detailed above. The locations of these compounds are detailed in the Site Establishment Management Plan.

## 5.3 Roles and Responsibilities

All site personnel are responsible for ensuring that their own or the actions of others do not cause environmental nuisance or harm at any level.

Supervisors are responsible for implementation and maintenance of dust, smoke, emission and odour control measures for all activities or work areas under their control.

The Environmental Manager is responsible for routine surveillance and monitoring, communication of requirements of this Sub-plan, coordination of dust monitoring, and all other responsibilities related to air quality identified within this Sub-plan and CEMP.

The Project Manager is responsible for overseeing implementation of this Sub-plan and overall CEMP. Detailed roles and responsibilities are further outlined in Section 5 of the CEMP.



## 5.4 Environmental Incidents, Non-Compliance and Complaints

In the event of a complaint or incident, an investigation will be undertaken to determine the cause of the problem, through which processes or activities will be modified if required. Monitoring of air quality may also be required to be undertaken because of a complaint or incident in accordance with Section 5.9. Where reactive monitoring is required due to a complaint or incident, it will be undertaken within 6 hours of notification of the issue.

In the event of any non-compliance (an occurrence, set of circumstances or development that is a breach of the approval conditions [CoA or EPL] but is not an incident), the non-compliance will be managed by the Environmental Manager and if required corrective action/s shall be raised. All corrective actions and improvements shall be entered into the Corrective or Improvement Actions Database and will be closed out within seven days (to be reviewed during the use of the Weekly Environmental Checklist).

In the event the investigation determines the project to be the direct result of exceedance or complaint, the Environmental Team in consultation with Construction and Community Team will determine appropriate environmental control, potential remediation for sensitive receiver and/or change to construction methodology, if required. Monitoring will be undertaken after the investigation to ensure compliance with the air quality criteria.

Any complaints received that are relevant to the Project within the Narromine local government area will be reported to Narromine Council.

Environmental incidents and non-compliances will be managed in accordance with Section 6 of the CEMP.

## 5.5 Inspections and Auditing

The Environmental Team will undertake environmental inspections to develop and evaluate the effectiveness of environmental controls. This will include:

- Daily visual inspections
- Weekly inspections using the Weekly Environmental Checklist
- Monthly reporting to the Client on this aspect will be recorded through Project Monthly Reports
- Annual independent audits
- ER regular monitoring of the implementation of the documents listed in the CoA.

## 5.6 Communication

Stakeholder groups, community and Regulatory Authority consultation in relation to this AQMP should be undertaken in accordance with consultation requirements outlined in Section 8 of the CEMP.

## 5.7 Training and Awareness

All employees and contractors working on site will undergo Project Induction training relating to air quality. The General Project Induction will address elements including:

Relevant Legislation

Parkes to Narromine Inland Rail Project



- CEMP and associated Sub-plans
- Environmental Responsibility
- Key Sensitive Areas
- Environmental No Go Area
- Incidents including definition, management and reporting requirements
- Stop Work Types.

Training will also include Toolbox Talks and Prestart Meetings in which the topics of the project induction will be revisited.

In field capability training will be provided by the Environment Team to staff members (e.g. Safety Advisors) in the undertaking of field sampling for air quality monitoring.

## 5.8 Emergency Planning and Response

Where any unauthorised impact on sensitive receivers within the project corridor are identified, construction activities resulting in impacts will be ceased immediately and appropriate mitigation measures identified and implemented.

All such impacts, the identified source and corrective actions are to be documented and managed in accordance with this AQMP and the CEMP. Corrective actions should be recorded in the Corrective and Improvement Action Database. If applicable Regulatory Authorities are to be notified of impacts (CEMP Section 7.4).

The Pollution and Incident Response Management Plan (PIRMP) will be used to ensure that management and comprehensive and timely communication regarding pollution incidents is undertaken in accordance with the relevant authorities.

## 5.9 Document Review

This AQMP should be reviewed utilising the Corrective and Improvement Action database simultaneously to reviews of the overarching CEMP and any amendments cited and cross checked against each plan.

For the duration of the works until the completion of construction, the approved ER must:

Review the CEMP, Sub-plans and Construction Monitoring Program 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:

- 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)
- 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).

# Attachment A Sensitive Receiver Monitoring Location Maps

Parkes to Narromine Inland Rail Project





![](_page_34_Figure_4.jpeg)

![](_page_34_Picture_5.jpeg)

Parkes to Narromine Inland Rail Project

![](_page_35_Picture_2.jpeg)

![](_page_35_Figure_3.jpeg)

![](_page_35_Picture_4.jpeg)

Data source: Commonwealth of Australia (Geoscience Australia), 250K Topographic Data Series 3, 2006

![](_page_35_Picture_6.jpeg)

HEQ-TPe-00390 - Rev. 11 (20/12/2017)

Parkes to Narromine Inland Rail Project

![](_page_36_Picture_2.jpeg)

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HEQ-TPe-00390 – Rev. 11 (20/12/2017)

Parkes to Narromine Inland Rail Project

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![](_page_37_Figure_3.jpeg)

![](_page_37_Picture_4.jpeg)

Data source: Commonwealth of Australia (Geoscience Australia). 250K Topographic Data Series 3, 200

Map 4: Sensitive Receiver Locations

![](_page_37_Picture_7.jpeg)

![](_page_37_Picture_8.jpeg)

Parkes to Narromine Inland Rail Project

![](_page_38_Picture_2.jpeg)

![](_page_38_Figure_3.jpeg)

![](_page_38_Picture_4.jpeg)

Data source: Commonwealth of Australia (Geoscience Australia). 250K Topographic Data Series 3, 2006.

![](_page_38_Figure_6.jpeg)

![](_page_38_Picture_7.jpeg)

Parkes to Narromine Inland Rail Project

![](_page_39_Picture_2.jpeg)

![](_page_39_Figure_3.jpeg)

![](_page_39_Picture_4.jpeg)

Data source: Commonwealth of Australia (Geoscience Australia). 250K Topographic Data Series 3, 2006

![](_page_39_Picture_6.jpeg)

HEQ-TPe-00390 - Rev. 11 (20/12/2017)

Parkes to Narromine Inland Rail Project

![](_page_40_Picture_2.jpeg)

![](_page_40_Figure_3.jpeg)

### IR\_P2N

- - Chainage Phase3 Alignment (IR Generat CH: 100m • CH: 500m
  - NW Track Alignment

Phase 3 Track Alignment

Environment

CIZ Boundary (Jan2019)

KM Posts (ARTC)

Map 7: Dust Deposition Monitoring Location 1 Chainage 1.100km NWL

![](_page_40_Picture_13.jpeg)

Map 8: Dust Deposition Monitoring Location 2 Chainage 454.500km Section B

![](_page_40_Picture_15.jpeg)

Parkes to Narromine Inland Rail Project

![](_page_41_Picture_2.jpeg)

![](_page_41_Picture_3.jpeg)

Legend IR\_P2N IFC Design Chainage - Phase3 Alignment • CH: 100m NW Track Alignment • CH: 500m NW Track Alignment • Environment CIZ Boundary (Jan2019)

Legend IR\_P2N IFC Design

Environment

CIZ Boundary (Jan2019)

Chainage - Phase3 Alignment CH: 100m CH: 500m NW Track Alignment Phase 3 Track Alignment

Map 9: Dust Deposition Monitoring Location 3 Chainage 468.300km Section B

![](_page_41_Picture_6.jpeg)

Map 10: Dust Deposition Monitoring Location 4 Chainage 451.000km Section B

![](_page_41_Picture_8.jpeg)

HEQ-TPe-00390 - Rev. 11 (20/12/2017)

Parkes to Narromine Inland Rail Project

![](_page_42_Picture_2.jpeg)

![](_page_42_Picture_3.jpeg)

![](_page_42_Figure_4.jpeg)

Map 11: Dust Deposition Monitoring Location 5 Chainage 472.500km Section A1.1

![](_page_42_Figure_6.jpeg)

Map 12: Dust Deposition Monitoring Location 6 Chainage 483.300km Section A1/2

![](_page_42_Picture_8.jpeg)

HEQ-TPe-00390 - Rev. 11 (20/12/2017)

Parkes to Narromine Inland Rail Project

![](_page_43_Picture_2.jpeg)

![](_page_43_Picture_3.jpeg)

![](_page_43_Figure_4.jpeg)

Map 13: Dust Deposition Monitoring Location 7 Chainage 497.200km Section A1/2

![](_page_43_Figure_6.jpeg)

Map 14: Dust Deposition Monitoring Location 8 Chainage 515.800km Section A3.1

![](_page_43_Picture_8.jpeg)

Parkes to Narromine Inland Rail Project

![](_page_44_Picture_2.jpeg)

![](_page_44_Picture_3.jpeg)

Legend

IFC

Design Chainage - Phase3 Alignment CH: 100m CH: 500m NW Track Alignment

Phase 3 Track Alignment

Environment CIZ Boundary (Jan2019)

Map 15: Dust Deposition Monitoring Location 9 Chainage 539.600km Section A3.2

# Attachment B Evidence of Consultation

Stakeholder Comment			INLink Response			
Management Plan	Date	Comment	Stakeholder	Date	Response	Where addressed in Document
Air Quality management Plan	26/09/2018	Supported. No specific comments.	Parkes Council	12/10/2018	Noted	N/A
Air Quality	8/10/2018	Protection of the Environment Operations Act 1979 (NSW) does not exist - remove please.	Narromine Council	12/10/2018	Removed.	Section 3.1
Air Quality	8/10/2018	The conditions are not 'Draft' and are dated June 2018 - amend please.	Narromine Council	12/10/2018	Updated.	Section 3.3
Air Quality	8/10/2018	Insert condition of approval C6 to table 3-1 to ensure that the timeframes and endorsement process are clearly identified prior to construction commencing	Narromine Council	12/10/2018	Updated.	Section 3.3
Air Quality	8/10/2018	Table 5-1 amend (Ref ID AQ2 Mitigation Measures) to POEO Act 1997.	Narromine Council	12/10/2018	Updated.	Section 3.3
Air Quality	8/10/2018	Table 5-1 clarify Ref ID AQ29 Mitigation measures 'Monitoring will be undertaken after investigation to ensure compliance with the qir? Quality criteria' - Council assumes Air Quality Criteria? Council wishes to ensure that all air / odour complaints are handled and determined appropriately and should also be reported to Council for our records for those complaints within Narromine LGA and what additional mitigation measures are undertaken to resolve the compliant.	Narromine Council	12/10/2018	Spelling error fixed. INLink advise in the event of receiving any air / odour complaint.	Section 5.1 Table 5-1 AQ29
Air Quality	8/10/2018	Table 5-3 - It is requested that all observed / reported exceedances in the Air Quality Performance Criteria (section 5.6) at the monitoring locations also be reported to Council for our records in the event that a complaint is received.	Narromine Council	12/10/2018	INLink advise in the event of receiving any air / odour complaint.	Section 5.1 Table 5-1 AQ29
Air Quality	8/10/2018	Section 5.8 - references training relating to 'Noise and Vibration' in management for Air Quality?	Narromine Council	12/10/2018	Error fixed.	Section 5.8

![](_page_47_Picture_0.jpeg)

**COVER SHEET** 

## **EVIDENCE OF CONSULTATION**

Inland Rail Parkes to Narromine Project – Air Quality Management Plan

**Initial Engagement with Stakeholder** 

From:	Nelson Wallis
Sent:	Friday, 14 September 2018 2:09 PM
То:	Anna Wyllie
Cc:	Sam Blanco; council@parkes.nsw.gov.au
Subject:	ARTC Inland Rail Air Quality Management Plan
Attachments:	180914 ARTC Inland Rail Air Quality Plan Parkes Council.pdf; 5-0012-240-EEC-00-PJ-0001_D_Air Quality.pdf

Categories: Blue Category

Hi Anna

Please find attached our Air Quality Management Plan and cover letter for Parkes Shire Council's feedback and comment.

Regards Nelson

Nelson Wallis Stakeholder Engagement Lead NSW, Parkes to Narromine Inland Rail

ARTC

M. 0447 817 142
 E. <u>NWallis@ARTC.com.au</u>

Australian Rail Track Corporation Level 15, 60 Carrington Street Sydney NSW 2000

artc.com.au

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![](_page_48_Picture_11.jpeg)

![](_page_49_Picture_0.jpeg)

Level 9, 40 Creek Street

P. 1800 732 761 E. inlandrailgld@artc.com.au W. inlandrail.com.au

Anna Wyllie Economic & Business Development Manager Parkes Shire Council 2 Cecile Street PARKES NSW 2870

Email: <u>Anna.Wyllie@parkes.nsw.gov.au</u>

14 September 2018

### RE: Parkes to Narromine – Air Quality Management Plan

Dear Anna,

Following my email on 29 August, ARTC is planning to engage INLink, a joint venture between Fulton Hogan and BMD Constructions to start construction on the Parkes to Narromine (P2N) Project. In accordance with our Environmental Impact Statement, Condition of Approval (CoA) C4 an Air Quality Management Plan (AQMP) is to be developed in consultation with relevant councils. This forms part of the P2N Project Construction Environmental Management Plan.

INLink has prepared a draft AQMP for construction of the P2N Project and we invite Parkes Shire Council to provide feedback on this plan. We would also like to offer a meeting with INLink, ARTC and the relevant Council officers to discuss this and other upcoming plans related to our work on the P2N project.

Could Parkes Shire Council please provide feedback on the plan attached on or before close of business on 28 September 2018. In the event that this timeframe is not achievable please contact myself or Sam Blanco on 0409 510 555 as soon as practicable.

We look forward to your feedback. If you have any queries or would like to discuss further, please do not hesitate to contact me.

Yours sincerely,

Nelson Wallis Parkes to Narromine Stakeholder Lead Inland Rail

ACN 081 455 754

From:	Nelson Wallis
Sent:	Friday, 14 September 2018 3:58 PM
То:	Mick Bell
Cc:	Sam Blanco; Jane Redden; Sarah Masonwells
Subject:	RE: Parkes to Narromine Inland Rail
Attachments:	180914 ARTC Inland Rail Air Quality Plan Narromine Council.pdf; 5-0012-240-EEC-00-PJ-0001 _D_Air Quality.pdf

Categories: Blue Category

Hi Mick

I believe Sarah is booking in some time for a briefing next Thursday morning at 10am for us to brief you on our Construction Management Plans. I will send through most of the plans today to provide you an overview.

Please find attached our Air Quality Management Plan and cover letter for Narromine Shire Council's feedback and comment.

Our briefing will cover off on the key points in this plan. Please feel free to invite any council personnel who may need to attend the briefing.

I will send through some additional plans shortly.

Regards Nelson

Nelson Wallis Stakeholder Engagement Lead NSW, Parkes to Narromine Inland Rail

![](_page_50_Picture_9.jpeg)

M. 0447 817 142 E. <u>NWallis@ARTC.com.au</u>

Australian Rail Track Corporation Level 15, 60 Carrington Street Sydney NSW 2000

artc.com.au

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![](_page_51_Picture_0.jpeg)

Level 9, 40 Creek Street Brisbane Qld 4000 GPO Box 2462, Queen Street Brisbane Qld 4000 P. 1800 732 761E. inlandrailqld@artc.com.auW. inlandrail.com.au

Mick Bell Manager Community Facilities Narromine Shire Council 124 Dandaloo Street Narromine NSW 2821

Email: mbell@narromine.nsw.gov.au

14 September 2018

### RE: Parkes to Narromine – Air Quality Management Plan

Dear Mick

Following on from our meeting on 6 September 2018, ARTC are planning to engage INLink, a joint venture between Fulton Hogan and BMD Constructions to start construction on the Parkes to Narromine (P2N) Project.

In accordance with our Environmental Impact Statement, Condition of Approval (CoA) C4 an Air Quality Management Plan (AQMP) is to be developed in consultation with relevant councils, as part of the preparation and endorsement of the P2N Project Construction Environmental Management Plan.

INLink has prepared a draft AQMP for construction of the P2N Project and we invite Narromine Shire Council to provide feedback on this plan. We would also like to offer a meeting with INLink, ARTC and the relevant Council officers to discuss this and other upcoming plans related to our work on the P2N project.

Could Narromine Shire Council please provide feedback on the plan attached on or before close of business on 28 September 2018. In the event that this timeframe is not achievable please contact myself or Sam Blanco on 0409 510 555 as soon as practicable.

We look forward to your feedback. If you have any queries or would like to discuss further, please do not hesitate to contact me.

Yours sincerely,

Nelson Wallis Parkes to Narromine Stakeholder Lead Inland Rail

![](_page_52_Picture_1.jpeg)

Project a	approval update - ARTC		
Relevan	ce of today's discussion to the Project 0	Conditions of Approval - AR	TC
Manage	ment plan development process – ARTO		
Discuss	management plans - INLink		
Next Ste	p - ARTC		
Council	feedback - Council		

## PROJECT APPROVAL UPDATE

- State and Federal Governments have given consent for the Inland Rail Parkes to Narromine Project (the Project) to go ahead .
- State and Federal Conditions of Approval (CoA) have been provided outlining requirements with which the Project must comply
- The CoA include several post approval deliverables that must be addressed before site works
- ARTC is now working towards fulfilling the relevant CoA

![](_page_52_Picture_8.jpeg)

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![](_page_52_Picture_10.jpeg)

![](_page_52_Picture_11.jpeg)

![](_page_52_Figure_12.jpeg)

![](_page_52_Figure_13.jpeg)

### CONSULTATION OUTCOMES

- Deliver the project in compliance with the CoA

- · Gain regionally valuable feedback to support successful implementation of the Project
- Provide transparency around how environmental impacts potentially associated with the Project will be managed
- · Continue building effective and valuable relationships with councils associated with the Project
- To following deliverables will support the Project being able to exemplify compliance with the CoA:
   A list of comments/queries from councils supplied to ARTC to which ARTC will respond
  - Meeting minutes drafted by ARTC and shared councils

inlandrail.com.au

/InlandRail

![](_page_53_Picture_10.jpeg)

![](_page_53_Picture_11.jpeg)

![](_page_53_Picture_12.jpeg)

![](_page_53_Figure_13.jpeg)

![](_page_53_Picture_14.jpeg)

![](_page_54_Picture_1.jpeg)

![](_page_54_Picture_2.jpeg)

![](_page_54_Picture_3.jpeg)

![](_page_54_Picture_4.jpeg)

![](_page_54_Picture_5.jpeg)

![](_page_54_Picture_6.jpeg)

![](_page_55_Picture_1.jpeg)

![](_page_55_Picture_2.jpeg)

itep	Action	Responsible	Ideal Completion Timeframe
1	Compile and submit minutes to councils	ARTC	2 days
2	Compile comments on plans if desired and submit to ARTC	Councils	2 weeks from receiving plan
3	Assess comments and prepare responses	ARTC	2 days
4	Update plans as necessary	INLink	5 days
5	Submit response to council's comments	ARTC	1 day

![](_page_55_Picture_4.jpeg)

![](_page_55_Picture_5.jpeg)

![](_page_55_Picture_6.jpeg)

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**COVER SHEET** 

**Correspondence from Stakeholder** 

COVER SHEETS ARTC 5-0000-EAP-00-FN-0001 Australian Rail Track Corporation

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Page 3 of 6

From: Anna Wyllie <Anna.Wyllie@parkes.nsw.gov.au>
Sent: Wednesday, 26 September 2018 5:03 PM
To: Nelson Wallis <NWallis@ARTC.com.au>
Cc: Michael Carter <Michael.Carter@parkes.nsw.gov.au>; Andrew Francis <Andrew.Francis@parkes.nsw.gov.au>;
Ben Howard <Ben.Howard@parkes.nsw.gov.au>
Subject: [EXT] Document review for Inland Rail, Parkes to Narromine

## Hi Nelson,

Thank you for the opportunity to comment on the following Construction Environmental Management Plan (CEMP) Sub-plans, as per condition C4 of Development Consent No SSI 7475, granted by the Minister for Planning on 7 June 2018:

- Traffic, Transport and Access Management Plan
- Noise and Vibration Management Plan
- Flora and Fauna Management Plan
- Air Quality Management Plan
- Soil and Water Management Plan

It is noted that a Site Establishment Management Plan has also been submitted to Council for comment, as per condition C22 of the consent.

The above documents provide a comprehensive suite of environmental management plans for the progressive construction of the ARTC Inland Railway Parkes to Narromine Project in accordance with the development consent and associated Environmental Impact Statement prepared by GHD dated June 2017. Council generally supports the finalisation of these plans subject to the following comments:

- <u>Site Establishment Management Plan</u>
  - Local roads servicing the Parkes and Peak Hill Major Construction Ancillary Facility that will accommodate the mainstay of construction traffic should be bitumen sealed to the existing bitumen sealed road network (for dust mitigation and road safety reasons).
  - That ARTC needs to investigate any approvals needed for any transportable structures and on-site sewage management systems and waste management systems including but not limited to Section 68 Local Government Act 1993. Section 68 Approval Application Forms can be obtained from Council.
  - Dust mitigation, noise control and sediment control will be key management issues at Major Construction Ancillary Facilities.
- <u>Traffic, Transport and Access Management Plan</u>
  - Any works on local roads requires an approval from Council under Section 138 Roads Act 1993. Section 138 Permit Application Forms can be obtained from Council.
  - All local roads that will be used for construction purposes should be listed in the management plan (including roads linking to extractive industries that are contracted to supply materials to the project).
  - Dilapidation reports should be prepared for all local roads used at construction phase.
  - Local roads servicing the Parkes and Peak Hill Major Construction Ancillary Facility that will accommodate the mainstay of construction traffic should be bitumen sealed. Road intersections should comply with Austroads.
  - Section 3.3 dealing with Permits, Licenses and Approvals states that Speed Zone Approvals (SZA) may be required. Speed Zone Approvals are not a responsibility of Council and all should be directed to RMS, which should be noted in this section.
  - Section 4.1.2 dealing with Regional Public Transport only refers to a small amount of bus routes. PSC is currently obtaining all designated bus routes for roads and potential road diversions, which will be furnished to ARTC as soon as possible. All bus routes should be included in this section.

- A site specific Crossing Traffic Management Plan is required for each crossing which should clearly identify all affected roads (including vegetation, drainage and other assets within road corridors) as well as adjoining residents affected. The management plan should detail and options for traffic control / road closure at each crossing site (including full closure, detours, side tracks).
- Noise and Vibration Management Plan
  - Document not yet received.
  - Document should aim to ensure dwellings near the railway at construction phase are not subjected to noise exceedances as per the NSW Interim Construction Noise Guideline 2009.
  - Document should aim to ensure dwellings near the railway at operational phase are not subjected to noise exceedances as defined under the NSW Noise Policy for Industry 2017.
  - The construction of the new rail link to the Broken Hill Railway Line is located in close proximity to dwellings, and noise issues should thoroughly investigated at this location. It is understood Pacific National is currently undertaking similar studies at their site adjoining the Goobang Junction.
  - Council would appreciate being informed of the outcome of any noise mitigation measures / negotiated settlements involving residents in the Parkes Shire.
  - Comments above may change subject to further consideration of Plan.
- Flora and Fauna Management Plan
  - o Supported.
  - o No specific comments.
- Soil and Water Management Plan
  - Awaiting detail in Appendices to finalise comments.
  - Concerned about increased stormwater impacts on properties downslope of railway drainage infrastructure, especially the velocity of stormwater entering properties / drainage systems from severe storm events.
  - o Recommend the development of site specific stormwater management plans for sub-catchments.
  - Recommend the inclusion of robust drainage facilities to cope with stormwater in severe storm events (e.g. catch dams).
  - Comments above may change subject to further consideration of Appendices.
- <u>Air Quality management Plan</u>
  - Supported.
  - No specific comments.

Please do not hesitate to contact me if you require any additional information.

### Kind Regards

### Anna

## Anna Wyllie

Economic & Business Development Manager | Parkes Shire Council

P 02 6861 2333 M 0409 739 001 F 02 6862 3946

- E anna.wyllie@parkes.nsw.gov.au
- W parkes.nsw.gov.au
- 2 Cecile Street Parkes NSW 2870

From: Kayla Robson <krobson@narromine.nsw.gov.au>
Sent: Monday, 8 October 2018 3:37 PM
To: Nelson Wallis <NWallis@ARTC.com.au>
Cc: Jane Redden <jredden@narromine.nsw.gov.au>; Mick Bell <mbell@narromine.nsw.gov.au>; Jordan Richardson
<jrichardson@narromine.nsw.gov.au>
Subject: [EXT] Construction Management Plans: Narromine Shire Council Response

Hi Nelson

I refer to your previous emails and the P2N construction management plans provided to date.

Please find attached our response to each management plan noting that whilst we are not required by the CoA to be consulted on the Flood Emergency Management Plan, we felt it was critical to ensure that all flood impacts are identified and have subsequently provided specific comments on this plan. If there is anything within the attachment that is unclear, please do not hesitate to contact me directly and we can discuss further.

Please also let me know as soon as possible when your design team can meet with us to discuss the level crossing designs provided to ensure that we are able to have all relevant staff available.

Thank you.

Kind regards

Kayla Robson Executive Manager Planning Narromine Shire Council 124 Dandaloo Street (PO Box 115) NARROMINE NSW 2821 Ph: 6889 9954 Fax: 6889 9998 Mob: 0437 680 623 Email: <u>krobson@narromine.nsw.gov.au</u> Web: <u>www.narromine.nsw.gov.au</u>

![](_page_60_Picture_1.jpeg)

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![](_page_61_Picture_0.jpeg)

**COVER SHEET** 

Correspondence back to Stakeholder

COVER SHEETS ARTC 5-0000-EAP-00-FN-0001 Australian Rail Track Corporation

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Page 5 of 6

From:	Nelson Wallis
Sent:	Monday, 15 October 2018 9:17 AM
То:	Katrina Dwyer
Cc:	Anna Wyllie; Sam Blanco
Subject:	RE: Document review for Inland Rail, Parkes to Narromine
Attachments:	5-0012-240-EEC-00-CS-0014 (1).xlsx

### Hi Katrina

I hope you had a good weekend. Please find attached our response to comments received by Parkes Shire Council on our construction management plans.

If you have any areas where there are still questions please let me know. Once we receive final comments on the Noise and Vibration Management Plan we will update the attached to include these.

Regards Nelson

Nelson Wallis Stakeholder Engagement Lead NSW, Parkes to Narromine Inland Rail

ARTC

M. 0447 817 142 E. <u>NWallis@ARTC.com.au</u>

Australian Rail Track Corporation Level 15, 60 Carrington Street Sydney NSW 2000

artc.com.au

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From:	Nelson Wallis
Sent:	Friday, 2 November 2018 3:29 PM
То:	Kayla Robson
Cc:	Andre Pretorius; Jordan Richardson; Sam Blanco
Subject:	Inland Rail Construction Management Plan comments
Attachments:	5-0012-240-EEC-00-CS-0015 (1).xlsx

Hi Kayla

Thanks again for spending the time in reviewing our construction management plans.

Please find attached our responses to Narromine Shire Council's comments. We would be more than happy to discuss anything further. Once our plans are approved by DPE we will provide you a copy for your records. If there is anything else you would like to discuss please let me know.

Once our work starts, we would like to offer Monthly Construction Briefings to provide you an update on our work. At these meetings we could also brief you on the relevant information Narromine Council has requested such as details about complaints received etc.

As you are aware, our work will start in Parkes. We would be more than happy to provide a tour of our construction site to share with you how Inland Rail will be built early next year.

If you would like to discuss anything further, please don't hesitate to give me a call.

Regards Nelson

Nelson Wallis Stakeholder Engagement Lead NSW, Parkes to Narromine Inland Rail

![](_page_63_Picture_9.jpeg)

M. 0447 817 142 E. <u>NWallis@ARTC.com.au</u>

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![](_page_63_Picture_14.jpeg)

## Wachsmann, Matilda

From:	Kayla Robson <krobson@narromine.nsw.gov.au></krobson@narromine.nsw.gov.au>
Sent:	Monday, 10 December 2018 12:14 PM
То:	Nelson Wallis
Cc:	Andre Pretorius; Sam Blanco
Subject:	[EXT] RE: Inland Rail - Air Quality Management Plan

Hi Nelson

Apologies, I have just got your voicemail.

Please be advised I have reviewed the updated AQMP and the amendments are consistent with the register of Council's responses on the Management Plans forwarded to you on the 8 October 2018.

Thank you.

### Regards

### Kayla Robson

Executive Manager Planning Narromine Shire Council P.O. Box 115 Narromine NSW 2821 P: 02 6889 9999 M: 0437 680 623 E: krobson@narromine.nsw.gov.au W: www.narromine.nsw.gov.au - www.narromineregion.com.au

![](_page_64_Picture_9.jpeg)

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From: Nelson Wallis [mailto:NWallis@ARTC.com.au] Sent: Monday, 10 December 2018 11:35 AM

To: Kayla Robson <krobson@narromine.nsw.gov.au>

**Cc:** Andre Pretorius <apretorius@narromine.nsw.gov.au>; Sam Blanco <SBlanco@ARTC.com.au> **Subject:** RE: Inland Rail - Air Quality Management Plan

Hi Kayla

I tried to give you a call to discuss the below. I am sorry to chase this but we need to close out the below with you before we can proceed with the DPE review and approval of our Air Quality Management Plan.

I believe that the below comments were addressed, but if not please let me know.

If the comment is addressed, could you please confirm via email that the comment is addressed so we can closed it out.

Regards Nelson

**Nelson Wallis** 

Stakeholder Engagement Lead, Parkes to Narromine Inland Rail

![](_page_65_Picture_4.jpeg)

M. 0447 817 142 E. <u>nwallis@ARTC.com.au</u>

inlandrail.com.au

Inland Rail - Australian Rail Track Corporation Level 15, 60 Carrington Street Sydney NSW 2000

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From: Nelson Wallis
Sent: Monday, 3 December 2018 11:52 AM
To: 'Kayla Robson' <<u>krobson@narromine.nsw.gov.au</u>>
Cc: Andre Pretorius <<u>apretorius@narromine.nsw.gov.au</u>>; Sam Blanco <<u>SBlanco@ARTC.com.au</u>>
Subject: Inland Rail - Air Quality Management Plan

Hi Kayla

Following on from our meetings and your feedback on our construction management plans, these plans are currently going through review by the Department of Planning and Environment. During DPE's review of the Air Quality Management Plan they have requested we provide a revised copy of the plan to Narromine Council to ensure the comments are closed out.

All your comments were addressed as per the comments register, and I have attached a copy of the updated Air Quality Management Plan. Please note that within this copy of the plan it includes correspondence between ARTC and Narromine Council that are provided to DPE. When the plan is made public these correspondence will be removed

If possible, could you please confirm by responding to this email that all comments on the Air Quality Management Plan have been addressed.

If this is not the case and something is still outstanding, please let me know and we will address it immediately.

Regards Nelson

Nelson Wallis Stakeholder Engagement Lead, Parkes to Narromine Inland Rail

![](_page_66_Picture_2.jpeg)

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