

# Project Approval

## Sections 75J and 75O of the *Environmental Planning and Assessment Act 1979*

I, the Minister for Planning, under the *Environmental Planning and Assessment Act 1979*:

- a) approve the concept plan referred to in Schedule 1;
- b) determine, pursuant to section 75P(1)(c) of the *Environmental Planning and Assessment Act 1979*, that the concept plan referred to in Schedule 1 requires no further environmental assessment; and
- c) determine, pursuant to section 75J of the *Environmental Planning and Assessment Act 1979* to grant project approval to the development the subject of the concept plan referred to in Schedule 1, subject to the conditions in Schedule 2.

The Hon. Kristina Keneally MP  
**Minister for Planning**

Sydney

2009

File No: S06/00901

### SCHEDULE 1

<b>Application No:</b>	06_0286
<b>Proponent:</b>	Hunter Gas Pipeline Pty Ltd
<b>Approval Authority:</b>	Minister for Planning
<b>Land:</b>	In New South Wales, the pipeline will traverse the Moree Plains, Narrabri, Gunnedah, Liverpool Plains, Upper Hunter, Muswellbrook, Singleton, Maitland, Port Stephens and Newcastle Local Government Areas.
<b>Project:</b>	<p>Construction and operation of a high-pressure natural gas pipeline from Queensland to the Newcastle area in New South Wales, consisting of:</p> <ul style="list-style-type: none"><li>• the construction of pigging stations, valve stations and connection points (to other pipelines and facilities);</li><li>• erection of perimeter security fences, security and service lighting and signage;</li><li>• installation of communication and telemetry towers;</li><li>• installation of cathodic protection devices; and</li><li>• construction of pipeline corridor access tracks.</li></ul>
<b>Major Project:</b>	<p>On 20 July 2018, the project was made a Critical State Significant Infrastructure (SSI) project by order under Clause 5 of Schedule 2 to the <i>Environmental Planning and Assessment (Savings, Transitional and Other Provisions) Regulation 2017</i>.</p>

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Red type represents the October 2019 Modification (Mod 1)

## KEY TO CONDITIONS

<b>1. ADMINISTRATIVE CONDITIONS</b>	<b>5</b>
Terms of Approval	5
Lapse of Approval	5
Statutory Requirements	5
Structural Adequacy & Standards	5
Demolition	5
Operation of Plant and Equipment	5
<b>2. PROJECT DESIGN REQUIREMENTS</b>	<b>5</b>
Route Alignment	5
Watercourse Crossings	6
Provision of Off-take Points for Current and Future use	7
Pipeline Construction	7
<b>3. SPECIFIC ENVIRONMENTAL CONDITIONS</b>	<b>7</b>
Noise Impacts	7
Air Quality Impacts	8
Traffic and Transport Impacts	8
Existing Infrastructure and Resources	9
Ecological Impacts	9
Hazards and Risk	10
Soil and Water Quality Impacts	10
Heritage Impacts	11
Crown Lands Easement	11
Waste Generation and Management	11
<b>4. COMPLIANCE NOTIFICATIONS AND REPORTING</b>	<b>12</b>
Notification – Date of Commencement	12
Compliance Reporting	12
Regular Reporting	12
Incident Notification	12
Non-Compliance Notification	12
<b>5. COMMUNITY INFORMATION, CONSULTATION AND INVOLVEMENT</b>	<b>12</b>
Environmental Management Strategy	12
Access to Information	12
<b>6. ENVIRONMENTAL MONITORING AND MANAGEMENT</b>	<b>13</b>
Updating & Staging of Studies, Strategies & Plans	13
Construction Environmental Management Plan	13
Operation Environmental Management Plan	15
Revision of Strategies, Plans and Programs	16

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## SCHEDULE 2

### DEFINITIONS

<b>Act</b>	<i>Environmental Planning and Assessment Act 1979</i>
<b>APGA</b>	Australian Pipelines and Gas Association
<b>BCA</b>	Building Code of Australia
<b>BCD</b>	The Biodiversity and Conservation Division within the Department
<b>Conditions of Approval</b>	The Minister's conditions of approval for the project
<b>Councils</b>	The councils of the Moree Plains, Narrabri, Gunnedah, Liverpool Plains, Upper Hunter, Muswellbrook, Singleton, Maitland, Port Stephens, and Newcastle local government areas
<b>Crown Lands</b>	Crown Lands within the Department
<b>Department</b>	NSW Department of Planning, Industry and Environment
<b>EA</b>	The Environmental Assessment, titled <i>Queensland Hunter Gas Pipeline Environmental Assessment</i> by Manidis Roberts Pty Ltd, September 2008), as modified by the: <ul style="list-style-type: none"> <li>• <i>Submissions Report</i> for the <i>Queensland Hunter Gas Pipeline</i> dated November 2008; and</li> <li>• request to modify the approved project, dated 18 October 2018, including the associated <i>Response to Submissions</i> dated 27 December 2018 and <i>Additional Information</i> provided to the Department dated May 2019.</li> </ul>
<b>Endangered Ecological Community</b>	Endangered Ecological Community under the <i>Threatened Species Conservation Act 1995</i> and the <i>Environment Protection Biodiversity Conservation Act 1999</i> .
<b>EPA</b>	NSW Environment Protection Authority
<b>Feasible</b>	Feasible relates to engineering considerations and what is practical to build or implement
<b>Incident</b>	A set of circumstances that causes or threatens to cause material harm to the environment
<b>Material harm</b>	Is harm that: <ul style="list-style-type: none"> <li>• involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial; or</li> <li>• results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000 (such loss includes the reasonable costs and expenses that would be incurred in taking all reasonable and practicable measures to prevent, mitigate or make good harm to the environment)</li> </ul>
<b>Minimise</b>	Implement all reasonable and feasible mitigation measures to reduce the impacts of the development
<b>Minister</b>	Minister for Planning and Public Spaces
<b>Mitigation</b>	Activities associated with reducing the impacts of the development
<b>Non-compliance</b>	An occurrence, set of circumstances or development that is a breach of this approval but is not an incident
<b>NRAR</b>	Natural Resources Access Regulator
<b>Proponent</b>	Hunter Gas Pipeline Pty Ltd
<b>Reasonable</b>	Reasonable relates to the application of judgement in arriving at a decision, taking into account: mitigation benefits, cost of mitigation versus benefits provided, community views and the nature and extent of potential improvements

<b>RMS</b>	The Roads and Maritime Services within Transport NSW
<b>Secretary</b>	Secretary of the NSW Department of Planning, Industry and Environment, or nominee and/or delegate
<b>Secretary's Approval</b>	A written approval from the Secretary and/or delegate
<b>Site</b>	Land to which Major Project Application 06_0286 applies.

## 1. ADMINISTRATIVE CONDITIONS

### Terms of Approval

- 1.1 The Proponent shall carry out the project:
  - a) generally in accordance with the EA; and
  - b) in accordance with the conditions of approval.
- 1.2 In the event of any inconsistency between the above documents, the most recent document shall prevail to the extent of the inconsistency. However, the conditions of approval shall prevail to the extent of any inconsistency.
- 1.3 The Proponent shall comply with any reasonable requirement(s) of the **Secretary** arising from the Department's assessment of:
  - a) any **documents** that are submitted in accordance with this approval; and
  - b) the implementation of any actions or measures contained in these **documents**.

### Lapse of Approval

- 1.4 This approval will lapse if the Proponent does not physically commence the project by 15 October 2024.

### Statutory Requirements

- 1.5 The Proponent shall ensure that all licences, permits and approvals are obtained and maintained as required throughout the life of the project. No condition of this approval removes the obligation for the Proponent to obtain, renew or comply with such licences, permits or approvals.

### Structural Adequacy & Standards

- 1.6 The Proponent shall ensure that:
  - a) all new buildings and structures, any alterations or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the BCA; and
  - b) the pipeline is constructed in accordance with Australian Standard AS 2885.

### Demolition

- 1.7 The Proponent shall ensure that all demolition work associated with the project is carried out in accordance with Australian Standard AS 2601 – 2001: The Demolition of Structures, or its latest version.

### Operation of Plant and Equipment

- 1.8 The Proponent shall ensure that all plant and equipment used on the site, or to monitor the performance of the project, is:
  - a) maintained in a proper and efficient condition; and
  - b) operated in a proper and efficient manner.

## 2. PROJECT DESIGN REQUIREMENTS

### Route Alignment

- 2.1.1 The Proponent shall submit, as part of the Construction Environmental Management Plan required under condition 6.2, route alignment sheets for the project identifying the final 30-metres Construction Right of Way. The route alignment sheets shall, except as provided below, demonstrate the avoidance of Endangered Ecological Communities.

- 2.1.2 The route may only be aligned within an Endangered Ecological Community if the Proponent has:
- a) demonstrated to the satisfaction of the **Secretary**, in consultation with the **BCD**, that there will only be minimal impacts; and
  - b) provision has been made for biodiversity offsets, consistent with condition **3.18** of this Approval.
- 2.2 The Proponent shall consult with all landowners potentially affected by the final 30-metres Construction Right of Way during the preparation of the route alignment sheets.
- 2.3 During the process of finalising the route alignment, the Proponent shall ensure consultation with relevant companies and titleholders of mineral and petroleum resource licences in relation to the potential for conflict between the route of the project and current and future resource exploration and extraction activities. The consultation shall aim to resolve any identified potential conflict where practicable.
- 2.4 The route alignment of the project shall be within the corridor identified in the **documents referred to in condition 1.1**. Any deviations in route alignment outside this corridor shall only occur for the purpose of:
- a) reducing impacts to biodiversity, cultural heritage or human amenity;
  - b) avoiding geological or topographical constraints, providing the deviations do not increase impacts to those areas referred to under a); and
  - c) after consultation with potentially affected landholders and relevant agencies.

### **Watercourse Crossings**

- 2.5 The Proponent shall prepare, in accordance with **APGA Code of Environmental Practice – Onshore Pipelines and the Guidelines for Controlled Activities on Waterfront Land (NRAR 2018), or their latest versions**, site-specific watercourse crossings and details of associated methods of construction. These documents shall be submitted for the endorsement of **the NRAR prior to the submission of the Construction Environmental Management Plan required under condition 6.2**. The Construction Environmental Management Plan shall include:
- a) a copy of the NRAR's endorsement(s) of the documents required under this condition;
  - b) details of the duration and timing of works associated with watercourse crossings;
  - c) details of the measures that would be implemented to avoid or minimise impacts of the project on riparian and aquatic habitats in and around the water crossings.

In preparing the documents required under this condition, the Proponent shall consult with the relevant **Local Land Services** with regard to watercourse crossing methodologies and site-specific mitigation measures for watercourses.

- 2.6 The project shall avoid any disturbance to, or crossing of, wetlands mapped under **State Environmental Planning Policy (Coastal Management) 2018**. Where the project route lies within 100 metres of a mapped SEPP 14 wetland, an appropriate buffer around these wetlands shall be defined and illustrated in the Construction Environmental Management Plan required under condition 6.2, to ensure no adverse effects to the wetland result from the project.
- 2.7 The Proponent shall, where practicable, avoid temporary watercourse crossings for heavy machinery.
- 2.8 The Proponent shall consult with **NSW Fisheries** in relation to any temporary infrastructure or works in and around watercourses that may result in the blockage of fish passage.

## Provision of Off-take Points for Current and Future use

- 2.9 The Proponent shall provide off-take points (valves) to enable the project to service the following areas:
- a) Narrabri and Boggabri;
  - b) Gunnedah;
  - c) Quirindi;
  - d) Murrurundi, Scone and Aberdeen; and
  - e) Port Stephens.

The Proponent shall consult with the relevant local council in identifying locations for off-take points referred to under this condition and in relation to any requirements for servicing relevant areas. The outcomes of this consultation shall be provided to the Department prior to the commencement of construction of the relevant part of the project, unless otherwise agreed by the Secretary.

## Pipeline Construction

- 2.10 The project shall be constructed in accordance with the APGA Code of Environmental Practice – Onshore Pipelines.

## 3. SPECIFIC ENVIRONMENTAL CONDITIONS

### Noise Impacts

#### Construction Noise

- 3.1 The Proponent shall only undertake construction activities associated with the project, other than blasting, that would generate an audible noise at any residential or sensitive receiver during the following hours:
- a) 7:00 am to 6:00 pm, Mondays to Fridays, inclusive;
  - b) 8:00 am to 1:00 pm on Saturdays; and
  - c) at no time on Sundays or public holidays.

Subject to the Secretary's approval of the Construction Environmental Management Plan (under condition 6.2), construction activities may occur outside these hours (for example a 28-day construction, 9 day respite construction schedule approach).

This condition does not apply in the event of a direction from police or other relevant authority for safety reasons, or to avoid immediate environmental harm.

*NOTE: the 28-day on/ 9-day off cycle is generally accepted as appropriate construction hours, however it is important that recognition is given to noise sensitive areas and an alternative schedule be developed for these areas through the Construction Environmental Management Plan.*

#### Construction Blasting

- 3.2 Blasting associated with the construction of the project shall only be undertaken during the following hours:
- a) 9:00 am to 5:00 pm, Mondays to Fridays, inclusive;
  - b) 9:00 am to 5:00 pm on Saturdays; and
  - c) at no time on Sundays or public holidays.
- 3.3 The Proponent shall ensure that air blast overpressure generated by blasting associated with the project does not exceed the criteria specified in Table 1 when measured at the most-affected residential or sensitive receiver.

**Table 1 – Airblast Overpressure Criteria**

<b>Airblast Overpressure (dB(Lin Peak))</b>	<b>Allowable Exceedance</b>
115	5% of total number of blasts over a 12-month period
120	Never

- 3.4 The Proponent shall ensure that the ground vibration generated by blasting associated with the project does not exceed the criteria specified in Table 2 when measured at the most-affected residential or sensitive receiver.

**Table 2 – Peak Particle Velocity Criteria**

<b>Peak Particle Velocity Criteria</b>	<b>Allowable Exceedance</b>
5	5% of total number of blasts over a 12-month period
10	Never

- 3.5 Prior to each blasting event, the Proponent shall notify the relevant local council and potentially-affected landowners, including details of time and location of the blasting event and providing a contact point for inquiries and complaints.

### **Air Quality Impacts**

- 3.6 The Proponent shall construct the project in a manner that minimises dust emissions from the site, including wind-blown and traffic-generated dust. All activities on the site shall be undertaken with the objective of preventing visible emissions of dust from the site. Should such visible dust emissions occur at any time, the Proponent shall identify and implement all practicable dust mitigation measures, including cessation of relevant works, as appropriate, such that emissions of visible dust cease.
- 3.7 The Proponent shall not permit any offensive odour, as defined under section 129 of the *Protection of the Environment Operations Act 1997*, to be emitted beyond the boundary of the site.

### **Traffic and Transport Impacts**

- 3.8 Where directional drilling/boring is proposed under roads or where trenching is proposed to cross roads or where trenching is proposed to occur within the road reserve in close proximity to the road pavement, the Proponent shall obtain **consent** under Section 138 of the *Roads Act 1993* for any such works. The following information must be provided to these authorities, prior to the commencement of construction, when seeking **consent**:
- detailed plans of the pipeline including vertical and horizontal alignment;
  - plant and equipment proposed to be used and construction compound locations;
  - construction schedule and hours of construction;
  - mitigation measures proposed to reduce impacts to traffic and pedestrian safety; and
  - indicative maintenance arrangements during operation.

This information shall also be provided as part of the **Construction Traffic Management Plan** required for the Construction Environmental Management Plan (refer to condition 6.3b)).

- 3.9 The Proponent shall ensure that any measures to restore or reinstate roads affected by the project are undertaken in a timely manner, in accordance with the requirements and to the satisfaction of the relevant road authority, including the **Crown Lands** and at the full expense of the Proponent.
- 3.10 The Proponent shall ensure that all crossings of the council-maintained roads are constructed using construction methods and depth of cover determined in consultation with the relevant local council.



## Existing Infrastructure and Resources

- 3.11 The Proponent shall undertake all reasonable and feasible measures to minimise the impact of the project on all existing infrastructure in the vicinity of the project route. The Proponent shall consult with the appropriate owner of such infrastructure with regard to measures to mitigate or manage any potential impact. The Proponent shall bear the cost of repairing or relocating any infrastructure directly impacted or damaged as a result of the project.
- 3.12 The Proponent shall consult with Gunnedah Shire Council regarding any existing leases and access/occupation rights that may exist within the Pullaming Stock Route, in order to determine and manage any potential impacts to this area from the installation and ongoing maintenance of the project.
- 3.13 Prior to the commencement of relevant construction works, the Proponent shall consult with holders of mineral, mining and coal tenements with respect to measures to be applied during construction and operation of the project so as to minimise the potential for any sterilisation of resources on the tenement. This must include, but is not limited to, Namoi Valley Coal Pty Limited, the owner of mining tenements CL316 and AUTH406 and Muswellbrook Coal Company Ltd, the owner of coal tenements AUTH176 and ML1304.
- 3.14 Prior to the commencement of construction, the Proponent shall consult with each landholder, whose property is directly impacted by the project, the terms and conditions relating to construction activities on their land, including:
- access to land;
  - measures to control spread of weeds, genetically modified organisms and methods to ensure security of livestock on the land during construction; and
  - acquiring of necessary easements, including terms of the easement agreement and compensation to the landowner for the proposed easement on their land.

## Ecological Impacts

- 3.15 The Proponent shall:
- submit, as part of the Construction Environmental Management Plan required under condition 6.2, a study of the potential impacts from the construction of the project on potential koala habitat;
  - monitor open trench areas for any fauna and any sightings of fauna shall be actively managed to minimise actual and potential impacts on those species. Any fauna found in the open trench shall be recorded and managed in consultation with **BCD**; and
  - for a period of two years after construction (or as otherwise required by the **Secretary**) monitor the areas along the project alignment, after construction is complete, for weed infestation and any infestations shall be actively managed to remove or minimise the spread of infestations.
- 3.16 Clearing of native vegetation shall be limited to the minimal extent practicable required for the construction of the project. This shall be achieved by both location of the pipeline in previously cleared areas where possible, and where clearing cannot be avoided a minimal width clearing corridor.
- 3.17 The construction activities of the pipeline shall not disrupt to the extent practicable, the previous vegetation rehabilitation works conducted by the Kooragang Wetland Rehabilitation Project and Hunter Bird Observers Club, on the western part of Kooragang Island (also referred to as Ash Island).
- 3.18 The Proponent shall develop and submit for the approval of the **Secretary**, a **Biodiversity Offset Needs Study**. The study shall be developed in consultation with **BCD** and shall include a methodology for determining biodiversity offset requirements. The study shall:
- quantify vegetation clearing, considering condition of vegetation, loss of potential habitat, and resulting consequences of this loss (short and long term);

- b) detail the significance of impacts to biodiversity as a result of the loss quantified in 3.18 a);
- c) inform the quantification of biodiversity offset requirements;
- d) consider the biodiversity management measures or activities identified in the documents set out in condition 1.1 or elsewhere in these Conditions of Approval, including:
  - i) revegetation measures;
  - ii) relevant construction measures to reduce terrestrial and aquatic impacts;
  - iii) any other fauna mitigation measures such as nest boxes; and
  - iv) any ongoing biodiversity or threatened species monitoring requirements;
- e) describe the decision-making framework used in determining the level of impact to biodiversity;
- f) detail the final methodology used to determine the biodiversity offset requirements; and
- g) include a program (timeline) to achieve the implementation of the final suite of measures to mitigate and or manage impacts to biodiversity.

Unless otherwise agreed by the **Secretary**, the Biodiversity Offset Needs Study shall be submitted to the **Secretary** for approval prior to the commencement of any construction works.

### **Hazards and Risk**

- 3.19 Prior to the commencement of the construction of the project, unless the Secretary agrees otherwise, the Proponent shall prepare a **Final Hazard Analysis (FHA)** of the project to the satisfaction of the Secretary.
- 3.20 Prior to the commencement of the operation of the project, the Proponent shall submit to the Department a copy of the Pipeline Management Plan required for the project under the *Pipelines Regulation 2013*.

### **Soil and Water Quality Impacts**

- 3.21 Except as may be expressively provided by an Environment Protection Licence for the project, the Proponent shall comply with section 120 of the *Protection of the Environment Operations Act 1997* which prohibits the pollution of waters.
- 3.22 Soil and water management controls shall be employed to minimise soil erosion and the discharge of sediment and other pollutants to lands and/or waters during construction activities, in accordance with *Managing Urban Stormwater: Soils and construction (DECC, 2008)*, or its latest version.
- 3.23 The Proponent shall prepare a contingency plan for events that have the potential to pollute or contaminate **surface or ground water**. The plan is to include threshold levels, remediation actions and communication strategies for the effective management of such an event. This plan is to be included in the Construction Environmental Management Plan required under condition 6.2.
- 3.24 The Proponent shall notify the relevant local council should contaminated soil be uncovered during excavation works. The Construction Environmental Management Plan required under condition 6.2 shall include management measures for any contamination that may be uncovered during construction of the project.
- 3.25 Proponent shall ensure that all water supplies for construction, hydro-testing and operation are sourced from an authorised and reliable supply.
- 3.26 Any Acid Sulphate Soils encountered during construction of the project shall be treated and disposed of in accordance with the *Acid Sulphate Soils Manual* (Acid Sulphate Soil Management Advisory Committee, 1998) or **its latest version**.

## Heritage Impacts

- 3.27 The Proponent shall prepare an oral histories study for determining significant Aboriginal heritage significant sites along the potential route. The study shall be informed by the views of the Traditional Owners and appropriate Aboriginal community. The Construction Environmental Management Plan (condition 6.2) protocols adopted in relation to avoidance, constraints and mitigation measures shall be informed by the oral histories. The results of this study shall be used to assist in the determination of the final project right of way (refer to condition 2.1.1).
- 3.28 If during the course of any ground fieldwork assessment, the Proponent uncovers any significant Aboriginal heritage sites, the Proponent shall consult **BCD** with regard to an appropriate course of action for the management of these sites.
- 3.29 If during the course of construction the Proponent becomes aware of any previously unidentified significant Aboriginal object(s), all work likely to affect the object(s) shall cease immediately and **BCD** informed in accordance with the *National Parks and Wildlife Act 1974*. Relevant works shall not recommence until written authorisation from **BCD** advising otherwise is received by the Proponent.

## Crown Lands Easement

- 3.30 The Proponent shall liaise with the **Crown Lands** and negotiate measures to be applied during construction and operation of the project so as to minimise the potential for any impact to the environment on Crown lands.
- 3.31 The Proponent shall ensure the provision of long term access management measures, such as fences, gates and barriers to be installed at all pipeline entry points **on Crown Land** to minimise the opportunity of utility easements being utilised for illegal rubbish dumping, illegal trail bike riding, damaging 4WD use and bushfire ignition points.

## Waste Generation and Management

- 3.32 All waste materials removed from the site shall only be directed to a waste management facility lawfully permitted to accept the materials.
- 3.33 The Proponent shall maximise the treatment, reuse and/ or recycling on the site of any waste oils, excavated soils, slurries, dusts and sludges associated with the project, to minimise the need for treatment or disposal of those materials outside the site.
- 3.34 The Proponent shall not cause, permit or allow any waste generated outside the site to be received at the site for storage, treatment, processing, reprocessing, or disposal on the site, except as expressly permitted by a licence under the *Protection of the Environment Operations Act 1997*, if such a licence is required in relation to that waste.
- 3.35 The Proponent shall ensure that all liquid and / or non-liquid waste generated and / or stored on the site is assessed and **managed in accordance with the relevant NSW Waste Classification Guidelines (EPA, 2014), or their latest versions.**

## 4. COMPLIANCE NOTIFICATIONS AND REPORTING

### Notification – Date of Commencement

- 4.1 The Proponent shall notify the Department in writing of the date of commencement of:
- a) any stage of construction of the project;
  - b) the commissioning of the pipeline; and
  - c) the operation of the pipeline.

### Compliance Reporting

- 4.2 The Proponent shall provide regular compliance reporting on the project as required by the Department and in accordance with the relevant *Compliance Reporting* (DPE 2018) requirements.

### Regular Reporting

- 4.3 The Proponent shall provide regular reporting on the environmental performance of the project on its website in accordance with the reporting requirements in any strategies or plans approved under the conditions of approval.

### Incident Notification

- 4.4 The Department shall be notified in writing to [compliance@planning.nsw.gov.au](mailto:compliance@planning.nsw.gov.au) immediately after the Proponent becomes aware of an incident. The notification must identify the project (including the application number and name of the project) and set out the location and nature of the incident.

### Non-Compliance Notification

- 4.5 The Department shall be notified in writing to [compliance@planning.nsw.gov.au](mailto:compliance@planning.nsw.gov.au) within 7 days after the Proponent becomes aware of any non-compliance with the conditions of this approval. The notification must identify the project (including the application number and name of the project), set out the condition of approval that the project is non-compliant with, the way in which it does not comply, the reasons for the non-compliance (if known) and what actions have been taken, or will be, undertaken to address the non-compliance.

## 5. COMMUNITY INFORMATION, CONSULTATION AND INVOLVEMENT

### Environmental Management Strategy

- 5.1 Prior to the commencement of the construction of the project, the Proponent shall prepare an Environmental Management Strategy for the project to the satisfaction of the Secretary. This strategy must:
- a) provide the strategic framework for the environmental management of the project;
  - b) identify the statutory approvals that apply to the project;
  - c) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project; and
  - d) describe the procedures that would be implemented to:
    - keep the local community and relevant agencies informed about the progress of the project;
    - receive, handle, respond to, record and report complaints;
    - resolve any disputes that may arise during the project;
    - respond to any non-compliance; and
    - respond to any incidents or emergencies.

### Access to Information

- 5.2 From the commencement of the construction of the project, the Proponent shall:
- a) make copies of the following information publicly available on its website:
    - the EA;
    - current statutory approvals for the project;

- approved studies, strategies and plans required for the project under the conditions of approval;
  - a comprehensive summary of the monitoring results on the project, reported in accordance with the requirements in the conditions of approval or any approved studies, strategies or plans for the project;
  - a summary of any complaints received, updated monthly;
  - any other matter required by the Secretary; and
- b) keep this information up to date.

## 6. ENVIRONMENTAL MONITORING AND MANAGEMENT

### Updating & Staging of Studies, Strategies & Plans

6.1 To ensure the studies, strategies and plans for the project are updated on a regular basis and incorporate any required measures to improve the environmental performance of the project, the Proponent may submit revised studies, strategies or plans required for the project under the conditions of approval at any time. With the agreement of the Secretary, the Proponent may also submit any study, strategy or plan required under the conditions of this approval on a staged basis.

The Secretary may approve a revised strategy or plan required under the conditions of approval, or the stage submission of these documents, at any time. With the approval of the Secretary, the Proponent may prepare the revised or staged strategy or plan without undertaking consultation with all parties nominated under the applicable condition in this approval.

*Notes:*

- *While any study, strategy or plan may be submitted on a progressive basis, the Proponent will need to ensure that the existing operations on site are covered by suitable studies, strategies or plans at all times.*
- *If the submission of any study, strategy or plan is to be staged, then the relevant study, strategy or plan must clearly describe the specific stage to which the study, strategy or plan applies, the relationship of this stage to any future stages, and the trigger for updating the study, strategy or plan.*

### Construction Environmental Management Plan

6.2 Prior to the commencement of the construction of the project, the Proponent shall prepare a **Construction Environmental Management Plan (CEMP)** for the project to the satisfaction of the Secretary. This plan must outline the environmental management practices and procedures to be followed during construction of the project. The CEMP shall be consistent with *Guideline for the Preparation of Environmental Management Plans (DIPNR 2004)*, or its latest version, and shall include, but not necessarily be limited to:

- a) a description of all relevant activities to be undertaken on the site during construction;
- b) details of the areas designated for the erection of public information signage;
- c) details of any construction camp sites and the management of these sites
- d) details of the measures to be employed to **minimise** soil erosion and trench compaction;
- e) details on potential occurrence of expansive soils and saline areas along the proposal route and management and mitigation measures;
- f) details of measures to be installed to separate construction areas from publicly accessible areas;
- g) details of the protocols to be implemented to **minimise** impacts to Aboriginal cultural heritage sites;
- h) statutory and other obligations that the Proponent is required to fulfil during construction including all relevant approvals, consultations and agreements required from authorities and other stakeholders, and key legislation and policies;
- i) details of how the environmental performance of the construction works will be monitored, and what actions will be taken to **minimise** environmental impacts. In particular, the following environmental performance issues shall be addressed in the Plan:

- i) measures to monitor and **minimise** dust emissions;
- ii) measures to monitor and minimise soil erosion and the discharge of sediment and other pollutants to lands and/ or waters during construction activities;
- iii) measures to monitor and **minimise** noise emissions during construction works;
- iv) measures to monitor and **minimise** air emissions during construction to ensure that air emissions;
- v) measures to minimise the impact of construction on local flora and fauna, consistent with the mitigation measures described in section 9.4 and Appendix D of the documents referred to under condition 0a) , including minimisation of vegetation clearing; methods to minimise unintended impacts on vegetation to be retained and fauna; details of the rehabilitation of cleared areas; topsoil, seed and vegetative material re-use initiatives to be employed; and measures to be undertaken to control weed spread;
- vi) measures to monitor and **minimise the impacts on** indigenous heritage values on site including involvement of the relevant Local Land Councils, Committees and Traditional Owner Groups; and
- j) **the additional plans listed under condition 6.3 of this approval.**

**The Proponent shall implement the approved CEMP for the project.**

**6.3 The Construction Environmental Management Plan required under condition 6.2 must include:**

- a) a **Construction Noise Management Plan** to **minimise** noise impacts during construction. The Plan **must include, but not necessarily be limited to:**
  - i) **revised noise predictions for the final route of the pipeline, taking in consideration the proposed mitigation measures;**
  - ii) details of the scheduling and management of construction works outside the hours specified under condition 3.1, where relevant, including:
    - identification of construction works and construction areas for which construction noise will be audible or inaudible at respective residential and sensitive receivers;
    - for construction works identified as audible at residential and sensitive receivers, provisions for consultation with affected receivers with respect to any construction works outside the hours specified under condition 3.1, including provisions for the establishment of negotiated agreements with those receivers for out-of-hours works;
    - reflection of a general 28-day construction, 9-day respite scheduling approach, unless the intensity of works and/ or nature of impacted residential or sensitive receivers requires otherwise. In such circumstances, the Plan shall demonstrate that consideration has been given to additional noise mitigation (at-source and/ or at receiver), or alternatively that the 28-day/ 9-day scheduling cycle has been refined in recognition of the impacted receivers;
    - reflection of an approach to scheduling construction activities that takes into account the intensity, characteristics (tonality/ frequency/ impulsiveness) and duration of construction noise and the need for provision of respite for affected receivers;
    - recognition of special arrangements required for public and religious holidays, sensitive receivers (hospitals, schools etc) and sensitive periods (for example, school exam periods);
    - proactive and reactive monitoring and management measures for all audible out-of-hours construction works;
    - auditing and reporting requirements, where relevant, to ensure that residential and sensitive receivers are not being adversely impacted by construction noise associated with the project;
  - iii) **details of the measures that would be implemented to minimise the construction noise impacts of the project, having regard to the best practice requirements**



- outlined in the *Interim Construction Noise Guideline* (DECC, 2009), or its latest version; and
    - iv) details, where impacts cannot be mitigated to meet the relevant highly noise affected criterion in the *Interim Construction Noise Guideline*, of effective consultation and/or negotiation with affected receptors.
  - b) a **Construction Traffic Management Plan** to minimise the construction traffic impacts of the project. The Plan must address the requirements of the relevant Councils, RMS, Crown Lands, and any other relevant road authority and shall include, but not necessarily be limited to:
    - i) details of how construction of project infrastructure will be managed in proximity to local and regional roads;
    - ii) the measures that would be implemented to minimise the traffic impacts of the project on road users and the capacity and safety of the road network, including:
      - imposing restrictions on the use of heavy or over-dimensional vehicles;
      - a driver's code of conduct for workers associated with the project;
      - notifying the local community about project-related traffic impacts;
      - ensuring vehicles enter and leave the site in a forward direction and have their loads covered or contained;
      - minimising dirt being tracked onto the public road network from project-related traffic; and
      - providing sufficient parking on site for project-related traffic;
    - iii) include a program to monitor and report on the effectiveness of these measures; and
    - iv) evidence to demonstrate that all statutory responsibilities with regard to road traffic impacts have been complied with.
  - c) a **Water Management Plan** to minimise the water impacts of the project. The Plan shall:
    - i) identify all sources of water that would be used for the construction of the project (including water for hydro-testing), and the amount of water to be extracted from each source; and
    - ii) describe the measures that would be implemented to minimise the water impacts of the project, including:
      - the measures to avoid any off-site water pollution occurring;
      - the measures to minimise soil erosion and the discharge of sediments from the site;
      - the measures to ensure all chemical and hydrocarbon products are stored on site in bunded areas in accordance with the relevant Australian Standards; and
      - details on the proposed disposal sites for hydro-test water and the environmental protection measures to be used at any such disposal sites; and
    - iii) include a include a program to monitor and report on the effectiveness of these measures.

### Operation Environmental Management Plan

- 6.4 Prior to the commencement of the operation of the project, the Proponent shall prepare an **Operation Environmental Management Plan (OEMP)** to the satisfaction of the Secretary. This plan must outline the environmental management practices and procedures to be followed during the operation of the project. The OEMP shall be consistent with *Guideline for the Preparation of Environmental Management Plans* (DIPNR 2004), or its latest version, and shall include, but not necessarily be limited to:
- a) identification of all relevant statutory and other obligations that the Proponent is required to fulfil in relation to operation of the project, including all relevant approvals, licences, approvals and consultations;
  - b) details of the areas designated for the erection of public information signage in accordance with AS 2885;
  - c) details of the monitoring methods of rehabilitated areas;
  - d) specific consideration of relevant measures to address any requirements identified in the documents referred to under conditions 1.1a) of this approval;
  - e) details control measures for soil erosion and sedimentation;

- f) overall environmental policies and principles to be applied to the operation of the project;
- g) relevant standards and performance measures to be applied to the project, and a means by which environmental performance can be periodically reviewed and improved, where appropriate;
- h) management policies to ensure that environmental performance goals are met and to comply with the conditions of this approval;
- i) measures to ensure that relevant ambient air criteria will be met for operational activities, including gas venting;
- j) **measures to minimise the operational noise impacts of the project and ensure it complies with the relevant noise criterion specified in the *Noise Policy for Industry* (EPA 2017), or its latest version; and**
- k) management measures for easement areas, including management of vegetation, soil erosion, weed control and landholder liaison.

**The Proponent shall implement the approved OEMP for the project.**

### **Revision of Strategies, Plans and Programs**

**6.5 Within 3 months, unless the Secretary agrees otherwise, of:**

- a) the submission of an incident notification under condition 4.4 above;
- b) the approval of any modification to the conditions of approval; or
- c) a direction from the Secretary under condition

**the Proponent shall review and, if necessary, revise the studies, strategies or plans required under the conditions of approval to the satisfaction of the Secretary.**

**Where this review leads to revisions in any such document, then within 4 weeks of the review the revised document must be submitted to the Secretary for approval.**