

# Project Approval

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

I, the Deputy Director-General, Development Assessment and Systems Performance of the Department of Planning under delegation for the Minister of Planning dated 25 January 2010, approve the project referred to in Schedule 1, subject to the conditions in Schedule 2.

These conditions are required to:

- prevent, minimise, and/or offset adverse environmental impacts;
- set standards and performance measures for acceptable environmental performance;
- require regular monitoring and reporting; and
- provide for the ongoing environmental management of the project.



Richard Pearson  
Deputy Director-General

Sydney

25th May 2010

File No: S09/00434

### SCHEDULE 1

**Application No:** 09\_0097

**Proponent:** East Australian Pipeline Pty Ltd

**Approval Authority:** Minister of Planning

**Land:** The pipeline will extend north-east from Bomen (Wagga Wagga) to a point approximately seven kilometres north of Bethungra, passing nearby Harefield, Wantiool and Illabo. The pipeline is located in the Wagga Wagga and Junee local government areas

**Project:** The Young to Wagga Wagga looping pipeline project, involving construction and operation of a gas pipeline that partially loops (duplicates), with an 18 inch pipeline, the existing Young to Wagga Wagga pipeline for a distance of 61 kilometres between Bomen, Wagga Wagga to seven kilometres north of Bethungra.

**Major Project:** The proposal is declared a Major Project under section 75B(1)(a) of the *Environmental Planning and Assessment Act 1979*, because it is a project of a kind described in Group 8, clause 26A of Schedule 1 to *State Environmental Planning Policy (Major Development) 2005*. Namely, development for the purpose of a pipeline in respect of which a licence was granted under the *Pipelines Act 1967* before commencement of this clause.

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## SCHEDULE 2

<b>Act, the</b>	<i>Environmental Planning and Assessment Act, 1979.</i>
<b>Conditions of Approval</b>	The Minister's conditions of approval for the project.
<b>Construction</b>	All pre-operation activities associated with the project other than survey, acquisitions, fencing, investigative drilling or excavation, building/road dilapidation surveys or other activities determined by the Environmental Representative to have minimal environmental impact such as minor access roads, minor adjustments to services/ utilities, establishing temporary construction sites (in accordance with the requirements of this project approval), or minor clearing (except where threatened species, populations or ecological communities would be affected).
<b>DECCW</b>	Department of Environment, Climate Change and Water.
<b>Department, the</b>	Department of Planning.
<b>Director-General, the</b>	Director-General of the Department of Planning (or delegate).
<b>Director-General's Approval</b>	A written approval from the Director-General (or delegate) where the Director-General's Approval is required under a condition. The Director-General may ask for additional information if the approval request is considered incomplete.
<b>Director-General's Report</b>	The report provided to the Minister by the Director-General of the Department under section 75I of the EP&A Act.
<b>Dust</b>	any solid material that may become suspended in air or deposited.
<b>EA</b>	<i>Young to Wagga Wagga Looping Pipeline Environmental Assessment prepared by the Proponent and dated 31 January 2010.</i>
<b>Minister, the</b>	Minister for Planning.
<b>NOW</b>	NSW Office of Water.
<b>Pipeline</b>	The gas pipeline proposed in the <i>Young to Wagga Wagga Looping Pipeline Environmental Assessment</i> .
<b>Submissions Report</b>	<i>The Young to Wagga Wagga Submissions Report prepared by the Proponent and dated 7 April 2010.</i>
<b>Proponent</b>	East Australian Pipeline Pty Ltd
<b>Project</b>	Development to which Major Project Application 09 0097 applies.
<b>Publicly Available</b>	Available for inspection by a member of the general public (for example available on an internet site or at a display centre).
<b>Reasonable and feasible</b>	Consideration of best practice taking into account the benefit of proposed measures and their technological and associated operational application in the New South Wales and Australian context. <b>Feasible</b> relates to engineering considerations and what is practical to build. <b>Reasonable</b> relates to the application of judgement in arriving at a decision, taking into account mitigation benefits and cost of mitigation versus benefits provided, community views and nature and extent of potential improvements.
<b>Site</b>	The land to which this approval applies.

## **1. ADMINISTRATIVE CONDITIONS**

### **Terms of Approval**

- 1.1 The Proponent shall carry out the project generally in accordance with the:
- a) Major Project Application 09\_0097;
  - b) the *Young to Wagga Wagga Looping Pipeline Environmental Assessment* prepared by the Proponent dated 31 January 2010;
  - c) the *Young to Wagga Wagga Looping Pipeline Submissions Report* prepared by the Proponent dated 7 April 2010; and
  - d) the conditions of this approval.
- 1.2 In the event of an inconsistency between:
- a) the conditions of this approval and any document listed from condition 1.1a) to 1.1c) inclusive, the conditions of this approval shall prevail to the extent of the inconsistency; and
  - b) any document listed from condition 1.1a) to 1.1c) inclusive, and any other document listed from condition 1.1a) to 1.1c) inclusive, the most recent document shall prevail to the extent of the inconsistency.
- 1.3 The Proponent shall comply with any reasonable requirement(s) of the Director-General arising from the Department's assessment of:
- a) any reports, plans or correspondence that are submitted in accordance with this approval; and
  - b) the implementation of any actions or measures contained in these reports, plans or correspondence.

### **Limits of Approval**

- 1.4 This project approval shall lapse five years after the date on which it is granted, unless the works the subject of this approval have been physically commenced on or before that time.

### **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 of the Proponent to obtain, renew or comply with such licences, permits or approvals. The Proponent shall ensure that a copy of this approval and all relevant environmental approvals are available on the site at all times during the project.
- 1.6 Prior to the commencement of construction of the project, the Proponent shall obtain relevant licences under the *Water Act 1912* and/or *Water Management Act 2000* to the satisfaction of NOW for the following activities:
- a) installation of groundwater works or extraction from existing groundwater works;
  - b) the use of existing works and/or the installation and use of new works for the purpose of surface water extraction; and
  - c) interception of groundwater and/or dewatering of groundwater via excavation activities.

## **2. SPECIFIC ENVIRONMENTAL CONDITIONS**

### **Ecological Impacts**

#### ***Construction Impacts***

- 2.1 All clearing of native vegetation, native grassland and rocky outcrops during construction of the pipeline shall be limited to the minimum feasible extent. The pipeline easement width shall be reduced to the minimum feasible width in areas along the easement that are known to contain Endangered Ecological Communities and/or threatened species habitat.
- 2.2 Prior to the commencement of construction of the project, the Proponent shall clearly define work areas (including access trails) using a combination of posts, fencing or markers, and suitably marked up maps, as appropriate. All on-site construction movements shall be

restricted to these areas, to prevent uncontrolled or inadvertent access by vehicles or construction personnel and to avoid abutting forest and woodland remnants particularly the Bethungra Mountain site.

- 2.3 Where possible, the removal of trees for the construction of the pipeline shall occur outside of the known breeding periods of native fauna that may utilise that vegetation. Where this is not feasible, trees containing hollows shall be inspected by a suitably qualified ecologist, and where native fauna are located using the tree hollows, appropriate actions shall be developed and implemented under the guidance of the qualified ecologist to minimise impacts on the native fauna. Details of actions to be taken and measures to monitor their effectiveness shall be included in the Construction Environmental Management Plan contained in condition 6.2.

#### ***Compensatory Habitat Package***

- 2.4 The Proponent shall minimise disturbance of native vegetation as far as reasonable and feasible during construction and prior to the commencement of commissioning prepare (and following approval implement) a compensatory habitat strategy in consultation with DECCW, to the satisfaction of the Director-General. The strategy shall offset the biodiversity values of the native vegetation cleared or otherwise disturbed as part of construction of the project at a minimum 2:1 basis and ensure that the biodiversity values of the offset is secured in perpetuity. Specifications for any compensatory habitat, including location, composition, quality and management of the habitat, shall be determined in consultation with DECCW prior to the commencement of commissioning of the project, having regard to:
- a) provision of biodiversity outcomes at least equivalent to those lost;
  - b) an aim of maximising the conservation of the White Box-Yellow Box-Blakely's Gum Grassy Woodland community;
  - c) potential for off-set areas to connect with and complement other areas of conservation value, particularly with respect to habitat corridors and vegetation connectivity;
  - d) minimisation of the potential for edge effects and pest invasion; and
  - e) arrangements for the funding, management and maintenance of works associated with the compensatory habitat package.

#### ***Weed Management***

- 2.5 For two years following the completion of construction of the project, or as otherwise agreed by the Director-General, the Proponent shall monitor areas along the project alignment for weed infestation. Any infestations shall be actively managed to remove or minimise their spread.

#### **Noise Impacts**

##### ***Vibration Impacts***

- 2.6 The Proponent shall ensure that the vibration resulting from construction of the project does not exceed the preferred values for vibration (for low probability of adverse comment) presented in *Assessing Vibration: A Technical Guideline* (DECC, February 2006), at any affected residential dwelling.

##### ***Construction Hours***

- 2.7 The Proponent shall only undertake construction activities associated with the project, other than blasting, that would generate an audible noise at any residential premises 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.

This condition does not apply in the event of a direction from police or other relevant authority for safety reasons.

Where agreement has been reached with affected receivers and where no residential premises are affected, the Proponent may carry out construction activities outside of these hours.

- 2.8 The hours of construction specified under condition 2.7 may be varied with the prior written approval of the Director-General. Any request to alter the hours of construction shall be:
- considered on a case-by-case basis;
  - accompanied by details of the nature and need for activities to be conducted during the varied construction hours and any other information necessary to reasonably determine that activities undertaken during the varied construction hours will not adversely impact on the acoustic amenity of receptors in the vicinity of the site; and
  - affected residential receivers being informed of the timing and duration of work approved under this condition at least 48 hours before that work commences.
- 2.9 Blasting associated with the construction of the project is only permitted during the following hours:
- 9:00 am to 5:00 pm, Mondays to Fridays, inclusive;
  - 9:00 am to 1:00 pm on Saturdays; and
  - At no time on Sundays or public holidays.

This condition does not apply in the event of a direction from police or other relevant authority for safety reasons.

### **Construction and Blasting Limits**

- 2.10 Construction Noise Management Levels (CNML) shall be established using the *Interim Construction Noise Guideline* (DECCW, 2009). Any construction activities identified as exceeding the CNML shall be managed in accordance with an Construction Noise and Vibration Management Plan (refer to condition 6.3b)).
- 2.11 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 residence or other 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

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

**Table 2 – Peak Particle Velocity Criteria**

<b>Peak Particle Velocity (mm s<sup>-1</sup>)</b>	<b>Allowable Exceedance</b>
5	5% of total number of blasts over a 12 month period
10	Never

### **Traffic and Transport Impacts**

- 2.13 Where the project is to be located along and within a public road formation, the Proponent shall:
- prior to construction, commission a qualified person to undertake a Road Dilapidation Report of all roads proposed to be used for construction and access activities in consultation with relevant road authorities. The Report shall assess the current condition of the relevant roads; and
  - following completion of construction a subsequent Road Dilapidation Report shall be prepared to assess any damage that may have resulted due to traffic and transport related to the construction and ongoing operation of the project.

The Proponent shall restore the relevant roads to a state described in the original Road Dilapidation report. The cost of any restorative work described in the subsequent Report or

recommended by the relevant road authorities after review of the subsequent Report, shall be funded by the Proponent. Such work shall be undertaken at a time as agreed upon between the Proponent and the relevant road authorities. In the event of a dispute between the parties with respect to the extent of restorative work that may be required under this condition, any party may refer the matter to the Director-General for resolution. The Director-General's determination of any such dispute shall be final and binding on the parties.

- 2.14 All works to be undertaken within a road reserve shall have detailed design plans submitted to the relevant road authority for approval prior to the commencement of construction of the relevant works.
- 2.15 The Proponent shall ensure that all pipeline crossings of roads are constructed using construction methods and depth cover determined in consultation with and to meet the reasonable requirements of the relevant road authority.
- 2.16 The Proponent shall apply to the relevant authority for any proposed temporary road closures at least one month prior to the proposed closure. Advertisement of the closure shall be funded by the Proponent.
- 2.17 Where the project crosses a Classified Road and unless otherwise agreed by the relevant road authority the Proponent shall ensure that:
  - a) the project is as near as possible to perpendicular with the centreline of the road to minimise the impact area of pipe sensitivity;
  - b) thrust boring or directional boring is to be used during construction and that road crossings are carried out using mechanical underboring construction techniques;
  - c) the project is encased over the full width of the road formation to allow future maintenance of the project without disturbance of the road. The project shall be sleeved and grouted for the portion of the project directly under the road;
  - d) where steel casings are not used then a trace wire is installed to provide assistance with the future location of the project; and
  - e) access points and valves are located outside the road reserve.
- 2.18 The Proponent shall apply for a Road Occupancy Licence from the RTA prior to commencing work within a Classified Road reserve or within 100 metres of traffic signals.
- 2.19 The Proponent shall install permanent pipeline location markers along each side of road carriageways, to the satisfaction of the relevant roads authority.
- 2.20 The carriageway of the Olympic Highway shall not to be disturbed as part of the project. Any disturbance of the road reserve is to be reinstated to match the surrounding roadside environment. No new access driveways are to be constructed within the road reserve.

### **Hazards and Risk**

- 2.21 The project shall be designed, constructed, operated and maintained in accordance with Australian Standard AS2885: *Pipelines, Gas and Liquid Petroleum*.

### ***Bunding and Spill Management***

- 2.22 The Proponent shall store and handle all dangerous goods, as defined by the Australian Dangerous Goods Code, and all fuels, oils chemicals or other environmentally hazardous materials strictly in accordance with:
  - a) all relevant Australian Standards;
  - b) for liquids, a minimum bund volume requirement of 110% of the volume of the largest single stored volume within the bund; and
  - c) *Bunding and Spill Management* (EPA, 2001).

In the event of an inconsistency between the requirements listed from a) to c) above, the most stringent requirement shall prevail to the extent of the inconsistency.

### ***Pre-Construction Hazards Studies***

- 2.23 Prior to the commencement of construction of the project, the Proponent shall prepare and submit for the approval of the Director-General, a **Hazard and Operability Study (HAZOP)** for the project, chaired by an independent, suitably skilled and experienced person or team. The independent person or team shall be approved by the Director-General. The Study shall be carried out in accordance with pipeline industry best practice.
- 2.24 Should blasting be required the Hazard and Operability Study shall include an assessment of any associated risks.

### ***Pre-Commissioning Hazards Studies***

- 2.25 Prior to the commencement of commissioning of the project the Proponent shall prepare and submit for the approval of the Director-General, a **Final Hazard Analysis** prepared in accordance with Hazardous Industry Advisory Paper No.6 – Guidelines for Hazard Analysis (DoP, 1992). If there are no significant deviations from the preliminary design of the project, this condition may be satisfied by a statement in the hazard compliance report contained in condition 3.1 that there have been no significant design changes and that all prevention/protection measures outlined in Table 8 – Hazard Identification Word Diagram in the Preliminary Hazard Analysis for the project, included as part of the Environmental Assessment referred to under condition 1.1b) of this approval, have been considered.
- 2.26 In accordance with Pipeline Licence No. 19 granted under the *Pipelines Act 1967*, and the requirements of AS 2885.3 – 2001, Section 4, the Proponent shall prepare and submit for approval of the Director-General the following documents:
- a) an **Emergency Plan** for the project; and
  - b) a **Safety and Operating Plan**.

Where an Emergency Plan and Safety and Operating Plan are in place for existing assets and the Proponent intends to operate the project in association with those assets, the Proponent shall update the documentation to include the project.

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

- 2.27 The Proponent shall comply with section 120 of the *Protection of the Environment Operations Act 1997* which prohibits the pollution of waters.
- 2.28 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 Conservation* (Landcom, 2004).
- 2.29 All cleared areas shall be stabilised with local native grasses and ground cover plants as soon as practicable to minimise soil erosion.
- 2.30 The Proponent shall design, construct, operate and maintain the project to avoid impacts on bank stability along any watercourse to be crossed by the pipeline. Where watercourses are open-cut trenched, they shall be immediately stabilised after the pipe has been laid and backfilled.

### ***Air Quality Impacts***

#### ***Dust Generation***

- 2.31 The Proponent shall construct and operate 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.



### **Odour**

- 2.32 The Proponent shall not cause or permit the emission of offensive odours from the site in accordance with the provisions of Section 129 of the *Protection of the Environment Operations Act 1997*.

### **Heritage Impacts**

- 2.33 In undertaking the project, the Proponent shall not destroy, modify or otherwise physically affect the Aboriginal site identified with AHIMS number 56-1-0043.
- 2.34 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 the DECCW informed in accordance with the *National Parks and Wildlife Act 1974*. Relevant works shall not recommence until written authorisation from the DECCW advising otherwise is received by the Proponent.

### **Waste Generation and Management**

- 2.35 All waste materials removed from the site shall only be directed to a waste management facility lawfully permitted to accept the materials.
- 2.36 The Proponent shall maximise the treatment, reuse and/or recycling on the site of any excavated soils, slurries, dusts and sludges associated with the project, to minimise the need for treatment or disposal of those materials outside the site.
- 2.37 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.
- 2.38 The Proponent shall ensure that all liquid and/or non-liquid waste generated and/or stored on the site is assessed and classified in accordance with *Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-Liquid Wastes* (DEC, 2004), or any future guideline that may supersede that document.

## **3. ENVIRONMENTAL MONITORING AND AUDITING**

### **Hazard Compliance**

- 3.1 At least one month prior to the commencement of operation of the project, or as agreed by the Director-General, the Proponent shall submit a report detailing compliance with conditions 2.23 and 2.25 of this approval. The report shall include, but not necessarily be limited to:
- a) dates of study, plan or system completion, and commencement of construction and commissioning;
  - b) actions taken or proposed to implement recommendations made in the studies, plans or systems; and
  - c) responses to each requirement that may be requested by the Director-General in respect to the implementation of any measures arising from recommendations of the studies or reports described by conditions 2.23 and 2.25.

### **Auditing**

- 3.2 Twelve months after the commencement of operation of the project, or within such period otherwise agreed by the Director-General, the Proponent shall commission an independent, qualified person to carry out a Safety Management Study of the pipeline in accordance with the requirements of AS2885.3. The independent person or team shall be approved by the Director-General prior to the commencement of the Audit.

In accordance with Pipeline Licence 19 granted under the *Pipelines Act 1967*, and AS2885.3 the Proponent shall update the Safety Management Study at approved intervals not exceeding 5 years and provide the Dept of Industry and Investment with certification that the Safety and

Operating Plan meets all relevant quality management and safety standards, and the requirements of Schedule 2 of the Licence.

#### **4. COMMUNITY INFORMATION, CONSULTATION AND INVOLVEMENT**

- 4.1 Subject to confidentiality, the Proponent shall make all documents required under this approval available for public inspection on request.

##### **Provision of Electronic Information**

- 4.2 Prior to the commencement of construction of the project, the Proponent shall establish a dedicated website or maintain dedicated pages within its existing website for the provision of electronic information associated with the project subject to confidentiality. The Proponent shall publish and maintain up-to-date information on this website or dedicated pages including, but not necessarily limited to:
- a) the current implementation status of the project;
  - b) a copy of this approval and any future modification to this approval;
  - c) a copy of each relevant environmental approval, licence or permit required and obtained in relation to the project;
  - d) a copy of each plan, report, or required monitoring program under this approval; and
  - e) details of the outcomes of compliance reviews and audits of the project.

##### **Complaints Procedure**

- 4.3 Prior to the commencement of construction of the project, the Proponent shall ensure that the following are available for community complaints for the life of the project (including construction and operation):
- a) a 24 hour telephone number on which complaints about construction and operational activities at the site may be registered;
  - b) a postal address to which written complaints may be sent; and
  - c) an email address to which electronic complaints may be transmitted.

The telephone number, the postal address and the e-mail address shall be advertised in a newspaper circulating in the locality on at least one occasion prior to the commencement of construction and of operation of the project. These details shall also be provided on the Proponent's internet site. The telephone number, the postal address and the email address shall be displayed on a sign near the entrance to the site, in a position that is clearly visible to the public.

- 4.4 The Proponent shall record details of all complaints received through the means listed under condition 4.3 of this approval in an up-to-date Complaints Register. The Register shall record, but not necessarily be limited to:
- a) the date and time, where relevant, of the complaint;
  - b) the means by which the complaint was made (telephone, mail or email);
  - c) any personal details of the complainant that were provided, or if no details were provided, a note to that effect;
  - d) the nature of the complaint;
  - e) any action(s) taken by the Proponent in relation to the complaint, including timeframes for implementing the action; and
  - f) if no action was taken by the Proponent in relation to the complaint, the reason(s) why no action was taken.

The Complaints Register shall be made available for inspection by the Director-General upon request.

- 4.5 The Proponent shall provide an initial response to any complaints made in relation to the project during construction or operation within 48 hours of the complaint being made. The response and any subsequent action taken shall be recorded in accordance with condition 4.4.

## 5. COMPLIANCE TRACKING PROGRAM

- 5.1 Prior to the commencement of construction, the Proponent shall develop and implement a **Compliance Tracking Program** for the project, to track compliance with the requirements of this approval during the construction and operation of the project and shall include, but not necessarily be limited to:
- a) provisions for periodic reporting of the compliance status to the Director-General including at least prior to the commencement of construction of the project, prior to the commencement of operation of the project and within two years of operational commencement;
  - b) a program for independent environmental auditing in accordance with AS/NZ ISO 19011:2003 - Guidelines for Quality and/or Environmental Management Systems Auditing;
  - c) procedures for rectifying any non-compliance identified during environmental auditing or review of compliance;
  - d) mechanisms for recording environmental incidents and actions taken in response to those incidents;
  - e) provisions for reporting environmental incidents to the Director-General during construction and operation; and
  - f) provisions for ensuring all employees, contractors and sub-contractors are aware of, and comply with, the conditions of this approval relevant to their respective activities.

## 6. ENVIRONMENTAL MANAGEMENT

### Environmental Representative

- 6.1 Prior to the commencement of any construction or as otherwise agreed by the Director-General, the Proponent shall nominate for the approval of the Director-General a suitably qualified and experienced Environmental Representative(s) independent of the design and construction personnel. The Proponent shall engage the Environmental Representative(s) during any construction activities, or as otherwise agreed by the Director-General. The Environmental Representative(s) shall:
- a) oversee the implementation of all environmental management plans and monitoring programs required under this approval, and advise the Proponent upon the achievement of these plans/programs;
  - b) consider and advise the Proponent on its compliance obligations against all matters specified in the conditions of this approval and the Statement of Commitments as referred to under condition 1.1d) of this approval, permits and licences; and
  - c) have the authority and independence to recommend to the Proponent reasonable steps to be taken to avoid or minimise unintended or adverse environmental impacts, and, failing the effectiveness of such steps, to recommend to the Proponent that relevant activities are to be ceased as soon as reasonably practicable if there is a significant risk that an adverse impact on the environment will be likely to occur.

### Construction Environmental Management Plan

- 6.2 The Proponent shall prepare and implement a **Construction Environmental Management Plan** to outline environmental management practices and procedures to be followed during construction of the project. The Plan shall be consistent with the *Guideline for the Preparation of Environmental Management Plans* (DIPNR, 2004) and shall include, but not necessarily be limited to:
- a) a description of all relevant activities to be undertaken on the site during construction including an indication of stages of construction, where relevant;
  - b) details of the areas designated for the erection of public information signage;
  - c) 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;
  - d) measures to monitor and manage Aboriginal heritage impacts in consultation with registered stakeholders and DECCW;
  - e) details of how the environmental performance of the construction works will be monitored, and what actions will be taken to address identified potential adverse environmental impacts including details required under condition 2.3;

- f) a description of the roles and responsibilities for all relevant employees involved in the construction of the project;
- g) details of any construction camp sites and the management of these sites;
- h) bushfire prevention measures during construction and rehabilitation works;
- i) complaints handling procedures during construction;
- j) route alignment sheet(s) to identify the final pipeline alignment including identification of areas where the easement area has been reduced to minimise impacts to threatened species; and
- k) details of actions to be taken contained in condition 2.3 and measures to monitor their effectiveness.

The Construction Environment Management Plan shall be submitted for the approval of the Director-General no later than one month prior to the commencement of construction works associated with the project, or within such period otherwise agreed by the Director-General. Construction works shall not commence until written approval has been received from the Director-General.

6.3 As part of the Construction Environmental Management Plan required under condition 6.2 of this approval, the Proponent shall prepare and implement the following:

- a) a **Surface and Groundwater Water Management Plan** to manage water quality impacts during construction. The Plan shall be prepared in consultation with and to the satisfaction of NOW and shall include, but not necessarily be limited to:
  - i) detailed engineering designs and rehabilitation measures for each category of watercourse crossing, culvert or instream works;
  - ii) a description of the quantity and source of all water supplies relating to construction, hydrostatic testing and operation;
  - iii) a description of any dewatering activities associated with groundwater interception along the pipeline easement that includes the quantity of groundwater to be used and a description of any expected impacts associated with the works; and
  - iv) a contingency plan for events during construction that have the potential to pollute or contaminate surface water or groundwater, including threshold levels, remediation actions and communication strategies for the effective management of such an event.
- b) a **Construction Noise and Vibration Management Plan** to manage noise and vibration impacts during construction and to identify all feasible and reasonable noise and vibration mitigation measures. The Plan shall be developed in accordance with *NSW Interim Construction Noise Guidelines* (DECC, July 2009) and shall include, but not necessarily be limited to:
  - i) details of all potentially noise-affected receivers;
  - ii) an analysis of all feasible mitigation measures to reduce construction noise and vibration impacts including the use of noise attenuation barriers, alternative construction methods and work practices where potential noise impacts exceed the relevant objectives;
  - iii) procedures for notifying residents of construction activities that are likely to affect their noise and vibration amenity;
  - iv) contingency plans to be implemented in the event of non-compliance and / or noise and vibration complaints; and
  - v) details of a contact person to follow up complaints.
- c) a **Traffic Management Plan** to manage traffic conflicts that may be generated during construction of the project. The Plan shall be drafted in consultation with and address the requirements of the relevant road authority and shall include, but not necessarily be limited to:
  - i) details of how construction of the project will be managed in proximity to local and regional roads;
  - ii) details of traffic routes for heavy vehicles, including any necessary route or timing restriction for oversized loads;
  - iii) demonstration that all statutory responsibilities with regard to road traffic impacts have been complied with;

- iv) details of measures to minimise interactions between the project and other users of the roads such as the use of fencing, lights, barriers, traffic diversions etc;
- v) procedures for informing the public where any road access will be restricted as a result of the project;
- vi) procedures to manage construction traffic to ensure the safety of livestock and to minimise disruption to livestock;
- vii) speed limits to be observed along routes to and from the site and within the site;
- viii) minimum requirements for vehicle maintenance to address noise and exhaust emissions, particularly along roads in close proximity to residences; and
- ix) details of the expected behavioural requirements for vehicle drivers travelling to and from the site and within the site.

## **7. ENVIRONMENTAL REPORTING**

### **Incident Reporting**

- 7.1 The Proponent shall notify the Director-General and any relevant Government authority of any incident with actual or potential significant off-site impacts on people or the biophysical environment as soon as practicable after the occurrence of the incident. The Proponent shall provide written details of the incident to the Director-General within seven days of the date on which the incident occurred.
  - 7.2 The Proponent shall meet the requirements of the Director-General to address the cause or impact of any incident, as it relates to this approval, reported in accordance with condition 7.1 of this approval, within such period as the Director-General may require.
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