

23 May 2022

Department of Planning and Environment
c/- Wayne Jones
12 Darcy St
Parramatta
NSW 2124

Via email: wayne.jones@planning.nsw.gov.au

Jemena Ref: GAS-599-AC-RA-002

Dear Wayne

Eastern Gas Pipeline
Joint Venture

Jemena Eastern Gas Pipeline (1)
Pty Ltd
ABN 15 068 570 847
Jemena Eastern Gas Pipeline (2)
Pty Ltd
ABN 77 006 919 115

Level 16, 567 Collins Street
Melbourne, VIC 3000
PO Box 16182
Melbourne, VIC 3000
T +61 3 9173 7000
F +61 3 9173 7516
www.jemena.com.au

Port Kembla Looping Lateral - SSI9973 Staging Request

Jemena seeks approval from Department of Planning and Environment (DPE) to stage the construction scope of works associated with the approved Port Kembla Looping Lateral (SSI9973).

Construction activities for the project are primarily associated with:

- the installation of 7.8 km high pressure gas pipeline; and
- the establishment of a metering station to connect the pipeline to existing Eastern Gas Pipeline.

Jemena propose to stage the construction scope of works into two stages to best reflect the current construction program, commencement of construction activities and construction contractor appointment. The two proposed stages as shown in Figure 1 are:

- Stage 1 – Pipeline Installation
- Stage 2 – Construction of Kembla Grange Metering Station.

Jemena are awarding separate principal construction contractors for the construction scope of works for the pipeline and the facility, each who will develop their own separate suite of management plans. To avoid potential delays to the overall construction program, it is requested to split the proposed construction works into two phases so that pipeline construction activities can commence in October 2022. It is anticipated that the facility construction will commence in December 2022. Commissioning and operational phases of the entire scope will follow the completion of construction and are anticipated to commence in late 2023.

The scope of construction activities for Stage 1 – Pipeline Installation and Stage 2 – Construction of Kembla Grange Metering Station are detailed in Table 1.

Table 1: Scope of Construction Activities for Stage 1 and Stage 2

Stage 1 – Pipeline Installation	Stage 2 – Construction of Kembla Grange Metering Station
<ul style="list-style-type: none"> - Early access works comprising environmental investigations, monitoring and works to prepare the site ahead of construction. - Site survey and set out. - Construction of line pipe and equipment laydown facility. - Construction Right of Way preparation comprising access point construction, location of services and clear and grade. - Line pipe and equipment haulage. - Open cut trench. - Trenchless installation of pipeline inclusive of Horizontal Directional Drilling and Thrust Bore. - Welding, Non Destructive Testing, Field Joint Coating, Lowering-in and Backfill. - Mainline valve installation. - Tie-in welding to the aboveground facilities. - Cathodic Protection works. - Warning Marker Signs installation. - Hydrostatic Testing. - In-line inspection. - Reinstatement and restoration of construction Right of Way. 	<ul style="list-style-type: none"> - Mobilisations to site and setup of site offices and facilities. - Site survey and set out - Clearing of vegetation in site permanent and temporary laydown areas. - Earthworks – cut and fill to prepare site hardstand using mechanical plant and hand tools. - Installation of underground conduits and services. - Civil works, installation of pre-cast and poured in-situ concrete footings. - Installation of structural steel for pipe, equipment and platform supports. - Landing of pre-packaged equipment and control room. - Piping and valves installation - flanged connections and onsite welding (inc. NDT, hydrotesting and coatings). - Modification of external mains power connection to site, inc. underground conduit to new pit. - Electrical cable support infrastructure installation. - Electrical cable pulling and terminations. - Instrument tubing installation and connections. - Existing site shutdown for piping and electrical tie-ins. - Installation of security systems. - Site fencing and finishing earthworks of surrounding drainage and access. - Remediation of temporary laydown areas and demobilisation. - Pre-commissioning of equipment and piping system.

All management plans required by the Infrastructure Approval for construction will be developed to reflect the scope of construction activities for each stage of the program and will be largely be developed by the respective construction contractor. The plans will be prepared and undergo consultation in accordance with the relevant conditions of the Approval and be submitted to DPE for review and approval a minimum of six weeks prior to those stages of works commencing.

Table 2 details the proposed management approach and rational for the pre-construction conditions within the Infrastructure Approval applicable to the proposed Stage 1 – Pipeline Installation and Stage 2 Construction of Kembla Grange Metering Station. Separate commissioning and operational management plans will also be prepared well in advance of the commencement of commissioning and operations, respectively.

Table 2: Management Approach and Rational for Pre-construction Conditions

Condition Reference	Conditions	Stage 1 – Pipeline Installation	Stage 2 - Construction of Kembla Grange Metering Station	Approach and Rationale
A8	At least two weeks prior to the commencement of the construction and commissioning of the Port Kembla Lateral Looping Pipeline, the Proponent must notify the Department of the relevant date via the Major Projects Portal.	Yes	Yes	Stage 1 - Pipeline and Stage 2 - Facility separate notices due to the anticipated commencement date of staged construction activities.
B1	(a) Construction safety study that must be consistent with Australian Standard AS 2885.1, Pipelines – Gas and liquid petroleum (Part 1: Design and construction), and that specifically addresses all safety measures related to construction, testing and commissioning;	Yes	Yes	Stage 1 - Pipeline and Stage 2 - Facility separate studies due the anticipated commencement date of staged construction activities scope and different construction contractors for each scope.
B1	(b) Hazard and operability study for the Port Kembla Lateral Looping Pipeline, that must be consistent with the Department's Hazardous Industry Planning Advisory Paper No. 8, 'HAZOP Guidelines' and Australian Standard AS 2885, Pipelines – Gas and liquid petroleum, and must be prepared by a suitably qualified, experienced and independent expert; and	Yes	Yes	Stage 1 - Pipeline and Stage 2 - Facility study combined.
B1	(c) Final Hazard Analysis that must be consistent with the Department's Hazardous Industry Planning Advisory Paper No. 6, 'Guidelines for Hazard Analysis', and must report on separation distances between the Port Kembla Lateral and the Port Kembla Lateral Looping Pipeline.	Yes	Yes	Stage 1 - Pipeline and Stage 2 - Facility FHA report combined.

Condition Reference	Conditions	Stage 1 – Pipeline Installation	Stage 2 - Construction of Kembla Grange Metering Station	Approach and Rationale
B11	An Unexpected Contaminated Land Finds Procedure must be prepared before the commencement of construction and must be followed should unexpected contaminated land (or suspected contaminated land) be excavated or otherwise discovered during construction. This Procedure must be included in the CEMP required by Condition C1.	Yes	Yes	Stage 1 - Pipeline and Stage 2 - Facility separate procedures due to the anticipated commencement date of staged construction activities scope and different construction contractors for each scope.
B14	An Unexpected Heritage Finds and Human Remains Procedure must be prepared to manage unexpected heritage finds and human remains in accordance with guidelines and standards published by the Heritage Council of NSW or DPIE EES Group. This Procedure must be included in the CEMP required by Condition C1.	Yes	Yes	Stage 1 - Pipeline and Stage 2 - Facility separate procedures due to the anticipated commencement date of staged construction activities scope and different construction contractors for each scope.
B16	Prior to the commencement of works for the Port Kembla Lateral Looping Pipeline that would impact on biodiversity values, unless otherwise agreed by the Secretary, the number and classes of species credits in Table 1 must be retired to offset the residual biodiversity impacts.	Yes	No	Biodiversity offsets are only required for Stage 1 - Pipeline Installation.
B17	Evidence of the retirement of credits in satisfaction of B16 must be provided to the Secretary for approval prior to commencement of works for the Port Kembla Lateral Looping Pipeline that will impact on biodiversity values.	Yes	No	Biodiversity offsets are only required for Stage 1 - Pipeline Installation.
C1	Prior to commencing construction, the Applicant must prepare a Construction Environmental Management Plan (CEMP) for the Port Kembla Lateral Looping Pipeline to the satisfaction of the Secretary.	Yes	Yes	Stage 1 - Pipeline and Stage 2 - Facility separate procedures due to the anticipated commencement date of staged construction activities scope and different construction contractors for each

Condition Reference	Conditions	Stage 1 – Pipeline Installation	Stage 2 - Construction of Kembla Grange Metering Station	Approach and Rationale
				scope.
3-18	Prior to the commencement of construction, the Proponent must prepare an Unexpected Finds Protocol for managing heritage items identified during construction of the development, in consultation with BCD and the Illawarra Local Aboriginal Land Council, to the satisfaction of the Planning Secretary.	Yes	Yes	Stage 1 - Pipeline and Stage 2 - Facility separate procedures due to the anticipated commencement date of staged construction activities scope and different construction contractors for each scope.

Jemena is seeking approval DPE to stage the construction scope of works associated with the approved Port Kembla Looping Lateral (SSI9973) into two stages to best reflect the current construction program, commencement of construction activities and construction contractor strategy. The two proposed stages are:

- Stage 1 – Pipeline Installation
- Stage 2 – Construction of Kembla Grange Metering Station.

We trust this letter provides sufficient detail on the proposed scope and staging of the project to enable Jemena to commence the construction of the pipeline in October 2022 and the facility in December 2022

Please don't hesitate to contact me if you require any further details for the project.

Yours sincerely



Jodi Wood
Stakeholder / Approvals Manager
jodi.wood@jemena.com.au

