

Planning Secretary's Environmental Assessment Requirements

Section 5.16 of the *Environmental Planning and Assessment Act 1979*

Application Number	SSI 10043
Project Name	Port Kembla to Wilton Gas Pipeline
Location	Port Kembla, Figtree, Kembla Heights, Mount Keira, Wilton within Wollongong City, Wollondilly Shire
Applicant	APA TRANSMISSION PTY LIMITED
Date of Issue	14/02/2020
General Requirements	The Environmental Impact Statement (EIS) for the project must comply with the requirements in Schedule 2 of the <i>Environmental Planning and Assessment Regulation 2000</i> (the Regulation). In particular, the EIS must include: · a stand-alone executive summary; · a full description of the project, including: - details of construction, operation and decommissioning, including any proposed staging of the project or refurbishing of infrastructure over time; - all infrastructure and facilities, such as mainline valves, scraper and meter stations, construction compounds, access roads, and road upgrades (including any infrastructure that would be required for the project, but the subject of a separate approvals process); - site plans and maps at an adequate scale showing: - o the location of project components; - o existing infrastructure, land use, and environmental features in the vicinity of the project; and - o the project corridor that has been assessed, including any allowance for micro-siting and identification of the key environmental constraints that have been considered in the design of the project; - details of the progressive rehabilitation of the site during and following construction and decommissioning of the pipeline infrastructure; - the likely interactions between the project and any other existing, approved or proposed major resource or infrastructure projects in the vicinity of the site including the Dendrobium Mine Extension Project (with consideration of subsidence risks on the project infrastructure), the Lower Cordeaux Dam, the Avon Dam to Broughtons Pass Weir tunnel, and the Port Kembla Gas Terminal; and - workforce requirements during all phases of the project; · a strategic justification for the project focusing on site selection and suitability of the proposed site; · a list of any approvals that must be obtained before the project may commence; · an assessment of the likely impacts of the project on the environment, focusing on the specific issues identified below, including: - a description of the existing environment likely to be affected by the project, using sufficient baseline data; - an assessment of the likely impacts of all stages of the project, including any cumulative impacts, taking into consideration any relevant legislation, environmental planning instruments, guidelines, policies, plans and industry codes of practice; - a description of the measures that would be implemented to avoid, mitigate and/or offset residual impacts of the project, and the likely effectiveness of

	these measures; and - a description of the measures that would be implemented to monitor and report on the environmental performance of the project if it is approved; - a consolidated summary of all the proposed environmental management and monitoring measures, identifying all the commitments in the EIS; - consideration of the project against all relevant environmental planning instruments; - an evaluation of the project as a whole having regard to: - relevant matters for consideration under the <i>Environmental Planning and Assessment Act 1979</i>, including ecologically sustainable development; - the suitability of the site with respect to potential land use conflicts with existing and future surrounding land uses and significant mineral resources; - feasible alternatives to the project (and its key components), including the consequences of not carrying out the project; and - the biophysical, economic and social costs and benefits of the project - a signed statement from the author of the EIS, certifying that the information contained within the document is neither false nor misleading. While not exhaustive, Attachment 1 contains a list of some of the environmental planning instruments, guidelines, policies, and plans that may be relevant to the environmental assessment of this project.
Key issues	The EIS must address the following specific issues with the level of assessment of likely impacts proportionate to the significance of, or degree, of impact on, the issue, within the context of the project location and the surrounding environment and having regard to applicable NSW Government policies and guidelines. - Land and Soils – including: - an assessment of the potential impacts of the project on existing or future land uses on the site and adjacent land, including consideration of agricultural land, biosecurity and soil resources, flood prone land, crown lands, mining, quarries, or mineral or petroleum rights or resources; - an assessment of the compatibility of the project with existing and proposed land uses including consideration of zoning provisions applying to the land, including the Metropolitan Special Area, the Wilton Growth Area and the Illawarra Escarpment Landscape Conservation Area; - a description of construction erosion and sediment controls including how the project, on areas of erosion, salinity or acid-sulphate risk, including steep gradient land or erodible soils types, would be managed and any contingency requirements to address residual impacts; - Water – including: - a description of water demand, a breakdown of water supplies and the measures to minimise water use; - details of water requirements and supply arrangements for the project; - an assessment of the likely impacts of the project on the quantity and/or quality of the region's surface and groundwater resources having regard to the <i>NSW Aquifer Interference Policy</i>; - identification of any licensing requirements or other approvals under the <i>Water Management Act 2000</i>; and - an assessment of the likely impacts of the project on watercourses, riparian land, water related infrastructure and other water users, including use and discharge of water during construction, commissioning and maintenance of the pipeline infrastructure; - Biodiversity – including: - an assessment of the biodiversity values and the likely biodiversity impacts of the project in accordance with Section 7.9 of the <i>Biodiversity Conservation Act 2016</i> (NSW), the <i>Biodiversity Assessment Method</i> (BAM) and

- documented in a Biodiversity Development Assessment Report (BDAR);
- a strategy to offset any residual impacts of the project in accordance with the rules under the Biodiversity Offsets Scheme; and
- an assessment of the likely impacts of the project on aquatic ecology, including aquatic biodiversity and key fish habitats;
- **Heritage** – including:
 - an assessment of the likely Aboriginal and historic heritage (cultural and archaeological) impacts of the project, including consultation with the local Aboriginal community in accordance with *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (DECWW);
- **Air Quality** – including:
 - an assessment of the likely air quality impacts of the project in accordance with the *Approved Methods for the Modelling and Assessment of Air Pollutants in NSW* (EPA);
 - demonstrated ability to comply with the relevant regulatory framework, specifically the *Protection of the Environment Operations Act 1997* and the *Protection of the Environment Operations (Clean Air) Regulation 2010*; and
 - an assessment of the likely greenhouse gas impacts of the project;
- **Noise and Vibration** – including:
 - an assessment of the likely construction noise impacts of the project under the *Interim Construction Noise Guideline* (EPA);
 - an assessment of the likely operational noise impacts of the project under the *NSW Noise Policy for Industry* (EPA, 2017);
 - an assessment of the likely road noise impacts of the project under the *NSW Road Noise Policy* (EPA); and
 - an assessment of the likely vibration amenity and structural impacts of the project under *Assessing Vibration: A Technical Guideline* (DEC, 2006) and *German Standard DIN 4150-3 Structural Vibration – effects of vibration on structures*;
- **Transport** – including:
 - details of traffic types and volumes likely to be generated by the project;
 - an assessment of the likely transport impacts of the project on the capacity, condition, safety and efficiency of the road network, in particular heavy vehicles, oversize/ over-mass;
 - details of measures to mitigate and/or manage potential impacts including a schedule of all required road upgrades, road maintenance contributions, and any other traffic control measures, developed in consultation with the relevant road authorities; and
 - details of measures to mitigate and/or manage potential impacts of the project on rail infrastructure;
- **Visual** – including:
 - an assessment of the likely visual impacts of the project on private landowners in the vicinity of the project, key vantage points in the public domain;
- **Hazards and Risks** – including:
 - an assessment of the hazards and risk impacts likely to be associated with the project including gas leaks and transport, handling and management of dangerous goods. The assessment must be generally consistent with the approach outlined in the Department's *Hazardous Industry Planning Advisory Paper No. 6 – Guidelines for Hazard Analysis* (DoP, 2011), *Multi-level Risk Assessment* (DoP, 2011) and demonstrate the proposal would comply with the criteria set out in *Hazardous Industry Planning Paper No. 4 – Risk Criteria for Land Use Safety Planning* (DoP, 2011) and with reference to applicable Australian Standards (including AS2885 Pipelines – Gas and Liquid Petroleum - Operation and Maintenance) and licensing requirements under the *Pipelines Act 1967*; and

	- on-going maintenance and safety management of the project, including potential impacts on and from bushfires and floods; • Social & Economic – including: - an assessment of the likely social and economic impacts and benefits of the project for the region and the State as a whole, including detailed consideration of any increase in demand for community infrastructure and services; • Waste Management – including: - identification, quantification and classification of the likely waste streams likely to be generated during construction and operation, and describe the measures to be implemented to manage, reuse, recycle and safely dispose of this waste.
Consultation	During the preparation of the EIS, you must consult with the relevant local, State or Commonwealth Government authorities, infrastructure and service providers, community groups and affected landowners, including mine operators. The EIS must describe the consultation process and the issues raised and identify where the design of the infrastructure has been amended in response to these issues. Where amendments have not been made to address an issue, a short explanation should be provided.

ATTACHMENT 1

Environmental Planning Instruments, Policies, Guidelines & Plans

Water	
Water Sharing Plans	Relevant Water Sharing Plans along the pipeline route
Groundwater	NSW State Groundwater Policy Framework Document and component policies (DPI)
	NSW Aquifer Interference Policy 2012 (DPI)
	National Water Quality Management Strategy Guidelines for Groundwater Protection in Australia (ARMCANZ/ANZECC)
Flooding	Floodplain Project Manual (OEH)
	Floodplain Risk Management Guideline (OEH)
Surface Water	NSW State Rivers and Estuary Policy (DPI Water)
	NSW Government Water Quality and River Flow Objectives at http://www.environment.nsw.gov.au/ieo/
	Using the ANZECC Guideline and Water Quality Objectives in NSW (DEC, 2006)
	National Water Quality Management Strategy: Australian Guidelines for Fresh and Marine Water Quality (ANZECC/ARMCANZ)
	Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DECC, 2008)
	Managing Urban Stormwater: Soils & Construction (Landcom)
	Technical Guidelines: Bunding & Spill Management (EPA)
	NSW Guidelines for Controlled Activities (various) (DPI)
	NSW Government Water Quality and River Flow Environmental Objectives for the water catchments along the pipeline route.
Land	
	The land and soil capability assessment scheme: Second approximation (OEH)
	Guidelines for Surveying Soil and Land Resources (CSIRO)
	Australian Soil and Land Survey Handbook CSIRO)
	Soil and Landscape Issues in Environmental Impact Assessment (DPI)
	Primefact 1063: Infrastructure proposals on rural land (DPI)
	Australian and New Zealand Guidelines for the Assessment and Management of Contaminated Sites (ANZECC)
	Wilton 2040 – A Plan for the Wilton Growth Area (NSW Department of Planning and Environment, 2018)

Biodiversity

Biodiversity Assessment Method (OEH)

Ancillary rules: biodiversity conservation actions (OEH)

BioBanking Assessment Methodology (OEH)

Policy and Guidelines for Fish Habitat Conservation and Management – Update (DPI, 2013)

Threatened Species Survey and Assessment Guidelines (various – OEH)

NSW State Groundwater Dependent Ecosystem Policy (DPI Water)

Risk Assessment Guidelines for Groundwater Dependent Ecosystems (DPI Water)

Heritage

The Burra Charter (The Australia ICOMOS charter for places of cultural significance)

Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW (OEH, 2011)

Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010 (DECCW, 2010)

Code of Practice for the Archaeological Investigation of Aboriginal Objects in NSW (OEH)

NSW Heritage Manual (Heritage Office and Department of Urban Affairs and Planning, 1994)

Assessing Heritage Significance (NSW Heritage Office, 2001)

Statements of Heritage Impact (Heritage Office and Department of Urban Affairs and Planning, 2002)

Illawarra Escarpment Strategic Management Plan 2015

Air

Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (EPA)

Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (EPA)

Technical Framework – Assessment and Management of Odour from Stationary Sources in NSW (DEC, 2006)

National Greenhouse Accounts Factors (Commonwealth)

Noise, Vibration and Blasting

NSW Noise Policy for Industry (EPA)

NSW Road Noise Policy and associated Application Notes (EPA)

Interim Construction Noise Guideline (EPA)

Assessing Vibration: a Technical Guideline (DEC, 2006)

German Standard DIN 4150-3: Structural Vibration – effects of vibration on structures

Technical Basis for Guidelines to Minimise Annoyance Due to Blasting

Overpressure and Ground Vibration (ANZECC, 1990)

Transport

Guide to Traffic Generating Projects (RMS)

Road Design Guide (RMS) & relevant Austroads Standards

Austroads Guide to Traffic Management Part 12: Traffic Impacts of Project

Lighting and Visual

AS4282-1997 Control of the obtrusive effects of outdoor lighting

Hazards and Risks

State Environmental Planning Policy No. 33 – Hazardous and Offensive Development

Hazardous and Offensive Development Application Guidelines – Applying SEPP 33

Hazardous Industry Planning Advisory Paper No. 6 – Guidelines for Hazard Analysis

Australian Standard 2885 Pipelines – (suite of standards for designing, constructing and operating gas and liquid petroleum pipelines)

Planning for Bushfire Protection (NSW RFS)

Waste

Waste Classification Guidelines (EPA)

Environmental Planning Instruments – General

State Environmental Planning Policy (State and Regional Project) 2011

State Environmental Planning Policy (Infrastructure) 2007

State Environmental Planning Policy (Primary Production and Rural Development) 2019

State Environmental Planning Policy No. 55 – Remediation of Land

State Environmental Planning Policy (Koala Habitat Protection) 2019

State Environmental Planning Policy (Sydney Drinking Water Catchment) 2011

State Environmental Planning Policy (Coastal Management) 2018

State Environmental Planning Policy (Three Ports) 2013

Relevant Local Environmental Plans along the pipeline route

Consultation

Community Consultative Committee Guidelines for State Significant Projects (DPE)