

Appendix C – Environmental Assessment Requirements Checklist

Type of Requirement	Specific Issue to be Addressed	EA Reference
Department of Planning		
General Requirements	Executive Summary.	See Executive Summary
	Historical overview of proposed modification, including a description of the existing and approved operations on the site, all statutory approvals relevant to the cogeneration plant.	Section 3 and 5, Figure 3.3
	Detailed description of the proposed modification including: <ul style="list-style-type: none"> Need for the modification Alternatives considered Plans for building works Various components and stages of the modification. 	Section 1, 4, 6, Figure 4.1 and 7 and “Additional Plans for ICP Project”
	Consideration of statutory provisions.	Section 5
	General overview of environmental impacts of the proposed modification, identifying the key issues for further assessment.	Section 8 and Appendix F
	Detailed assessment of the impact of the proposed modification on the key issues including: <ul style="list-style-type: none"> A description of the existing and approved environment A description of the proposed changes to the current approval An assessment of the potential impacts of the proposed modification including any potential cumulative impacts A description of the measures that would be implemented to avoid, minimise, mitigate, offset, manage and/or monitor the impacts of the proposed modification. 	Section 3, 4, 9
	A Statement of Commitments outlining the proposed environmental management, mitigation and monitoring measures.	Section 12
	A conclusion justifying the proposed modification, taking into consideration the environmental, social and economic benefits of the project.	Section 11
	A signed statement from the author of the EA certifying that the information in the report is neither false nor misleading.	Form 2 (page i)
Key Issues	Air Quality	Section 9.1 and Appendix G
	Greenhouse Gas and Energy Efficiency	Section 9.2 and Appendix H
	Water Quality (including anti-fouling agents)	Section 9.3 and Appendix I
	Flora and Fauna	Section 9.4, 9.5 and Appendix J, K
	Hazards and Risks	Section 9.6 and Appendix L
	Noise	Section 9.8
	Visual Amenity	Section 9.7 and Appendix M
Consultation	Consultation with relevant local, State or Commonwealth Government authorities, service providers, community groups or affected landowners.	Section 2
Department of Environment and Climate Change		
General	Location of proposed development including the affected environment to place the proposal in its local and regional environmental context including surrounding landuses, planning zoning and potential sensitive receptors.	Section 1, Figure 1.1., Section 5 Appendix G and L
	Description of mitigation and management options that will be	Section 9

Type of Requirement	Specific Issue to be Addressed	EA Reference
	used to prevent, control, abate or mitigate identified environmental impacts including any cumulative impacts associated with the project and to reduce risks to human health and prevent the degradation of the environment (including any residual impacts after these measures are implemented).	
Air Quality	Demonstration of the consistency with the NOx Policy.	Section 9.1 and Appendix G
	Emissions of air toxics must be minimised to the maximum extent achievable.	
	Air Quality Impact Assessment – all potential air emissions must be fully characterised, local air quality impacts must be fully assessed. Assessment of emissions from a range of potential plant operating scenarios.	
	Details of consultation.	
Greenhouse Gas	Assessment on predicted greenhouse gas emissions.	Section 9.2 and Appendix H
	Inclusion of direct, indirect, upstream, or downstream emissions associated with the project.	
	Use of appropriate methodology to predict emissions.	
	Comparison of annual emissions from development to best practice emissions from peak electricity generation, total annual NSW emissions and emissions from a coal fired facility producing an equivalent amount of electricity.	
Water Quality	Demonstration of how the proposal will be designed and operated to protect the water quality objectives of Port Kembla Harbour and the practical measures that could be taken to restore those water quality objectives.	Section 9.3 and Appendix I
	Potential impacts to be included are thermal discharge and the discharge of antifouling agents.	
	Details of consultation.	
Noise and Vibration	Development in accordance with Industrial Noise Policy (INP). Details of anticipated change in noise emissions.	Section 9.8
Threatened Species	Likely impacts on threatened species and their habitat need to be assessed, evaluated and reported on in accordance with the Threatened Biodiversity Survey and Assessment and the Assessment of Significance Guidelines.	Section 9.5, Appendix J and K
	Description of the actions that will be taken to avoid or mitigate impacts or compensate to prevent unavoidable impacts of the modification on threatened species and their habitat.	
	Assessment of the effectiveness and reliability of the measures and any residual impacts after these measures are implemented.	
	Details on consultation.	
EPL	Details of variation to EPL to carry out scheduled development work and carry out schedules activities.	Section 5.1.2
Department of Primary Industries – Fisheries Branch		
	Description of aquatic environments located on the site or adjacent to the site.	Section 9.4 and Appendix I
	Description of proposed works in or adjacent to waterways, especially detailed plans of proposed parallel pipeline structure over Allan's Creek and proposed cooling water dispersion structure.	Section 4 and "Additional Plans for ICP Project"
	Analysis of any alterations of the proposed development and works within aquatic environments, including the intertidal zone and any marine vegetation.	Section 9.4 and Appendix I. It is noted that Port Kembla Harbour is a highly industrialised working harbour and there is not expected

Type of Requirement	Specific Issue to be Addressed	EA Reference
		to be a significant impact on any potential marine vegetation within the Harbour.
	Predictions of any impacts upon aquatic environments (including marine vegetation) on or adjacent to the site (both temporary or permanent).	Section 9.4 and Appendix I
	Safeguards to mitigate any impacts upon aquatic species and environments and riparian habitats.	Section 9.4 and Appendix I
	Predictions of any impacts upon water quality and aquatic threatened species, populations and ecological communities listed under the Fisheries Management Act 1994.	Sections 9.3, 9.4 and 9.5 and Appendices I, J and K
	Safeguards to mitigate any impacts upon water quality, including impacts downstream into Allan's Creek and Port Kembla Harbour.	Section 9.3 and Appendix I
	Monitoring Program for aquatic species in Allan's Creek and Port Kembla to document any ongoing impacts of cooling water and anti-fouling agent discharges.	Appendix I
	Degraded riparian zone to be rehabilitated with endemic riparian vegetation.	The PKSW is a highly industrialised site. Within the PKSW, there is limited flora on the banks of Allan's Creek. The proposed modifications to the ICP Project are not expected to have an impact on the riparian zone however measures to mitigate any impacts will be outlined in the CEMP.
	Design and construction of pipeline crossing of Allan's Creek to be in accordance with best management practice to maintain fish passage and create minimal impact on the aquatic environment.	see "Additional Plans for ICP Project"