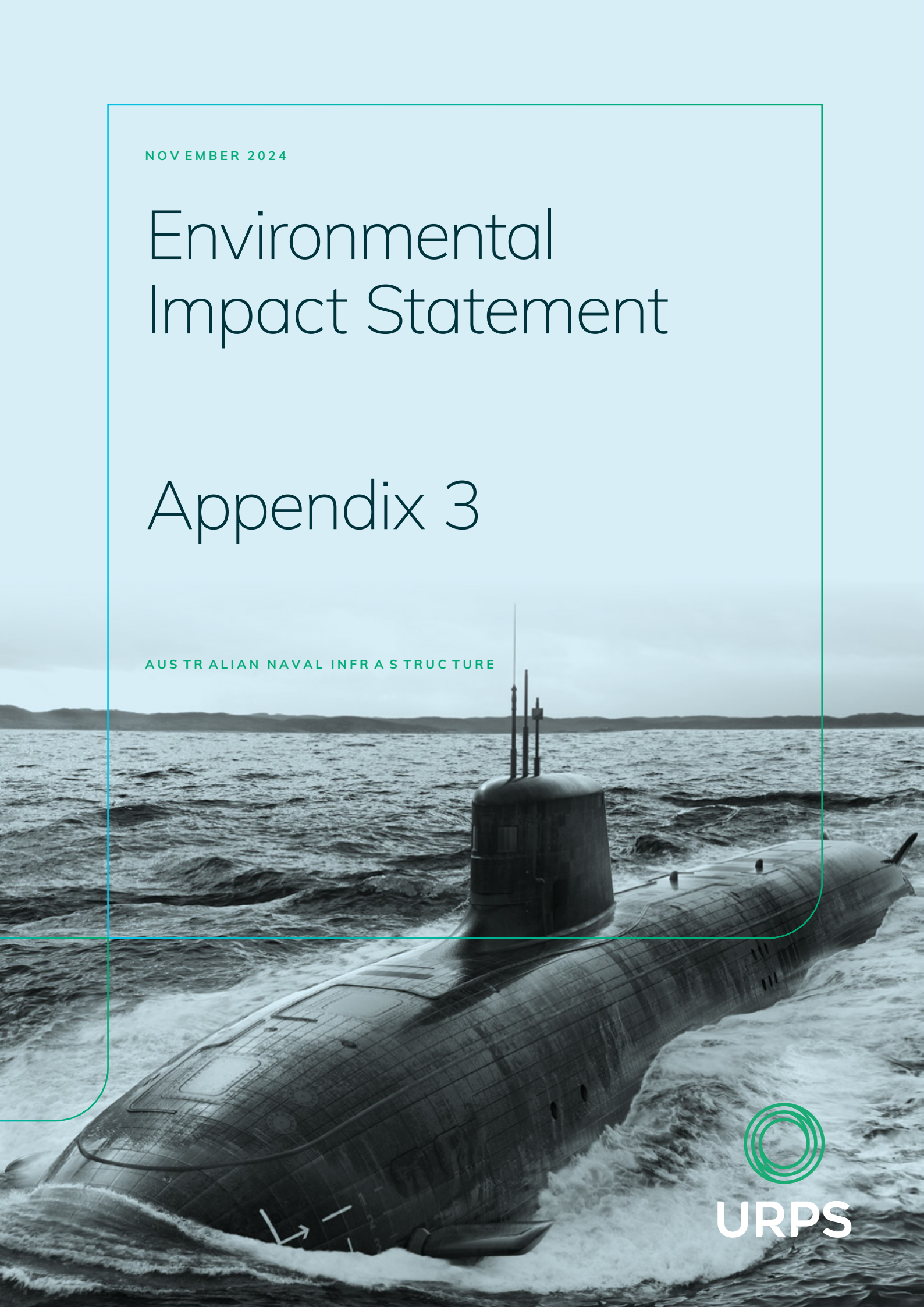
NOVEMBER 2024

Environmental Impact Statement

Appendix 3

AUSTRALIAN NAVAL INFRASTRUCTURE



URPS

Environmental Impact Statement

We acknowledge and pay our respects to the Traditional Owners, the Kaurna people of the Adelaide Plains. It is upon their ancestral lands that the development is proposed.

We pay respect to Elders past and present. We respect their spiritual beliefs and connection to land, waters and culture which are of continuing importance to the living Kaurna people today. We further acknowledge the contribution and important role that First Nations people continue to play in our shared community.

1. Assessment Requirements Directory

This appendix identifies where in the Environmental Impact Statement the response to each of the State Planning Commission's project specific Assessment Requirement can be found.

Where the information requested by an Assessment Requirement has not been provided, the reason why has been explained.

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
Overview			
AA 1	N/A	Describe location and design options considered, reasons for selection and how the proposed location and /or design avoids and / or mitigates potential impacts and risks to the surrounding environment. Outline and justify any trade-offs in the design or operation of the development.	Chapter 4 – General EIS Requirements include information relating to Alternatives. The development is described within Chapter 2 – Description of Development. The development site is described within Chapter 5 - Receiving Environment, and within section 5 'Baseline Conditions' of technical chapters, as relevant. Chapters 7 to 24 provide an assessment of effects and includes information, if relevant, on how the proposed location and /or design avoids and / or mitigates potential impacts and risks to the surrounding environment.
Amenity and Environmental Quality (AEQ)			
AEQ1	Air Quality	• Provide an air quality impact assessment prepared by an appropriately qualified specialist for all potential sources of dust / particles and gaseous pollutants associated with the construction and ongoing operation of the proposed development, to identify any known or potential human health and amenity	Chapter 7 – Air Quality of the EIS presents an assessment of the likely significant effects of the development. Appendix 1.1 addresses the assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, including technical modelling and assessment works.

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		effects of air emissions (including point source and diffuse sources) on the residential population and local businesses and describe how these would be mitigated, minimised, managed and monitored. Investigations should consider historical investigations and studies, including the EPA/City of Port Adelaide Enfield Victoria Road Air Quality Study. • The impact assessment must include modelling undertaken in accordance with the *Environment Protection (Air Quality) Policy 2016* and the *EPA's Ambient Air Quality Assessment 2016* guidance document. Techniques used to obtain the predictions should be referenced and key assumptions and data sets explained. • Impact assessment must outline the impacts of dust / particles and gaseous pollutants on existing commercial and industrial operations and any other identified nearby sensitive receivers in the vicinity of the proposed development. The impact assessment should demonstrate how the requirements of the *Environment Protection (Air Quality) Policy 2016* (including ground level concentrations)	

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		and the 'General Environmental Duty' (as described in section 25 of the *Environment Protection Act 1993*) will be met, taking into account cumulative impacts and existing background levels of pollutants.	
AE Q2	Noise / Vibration	• Provide an impact assessment of noise / vibration from or on the proposed development, prepared in accordance with the *Guidelines for the use of the Environment Protection (Commercial and Industrial Noise) Policy 2023* by a suitably experienced, professional acoustic engineering consultant. Indicative Noise Levels to be confirmed based on consideration of different zones and subzones. • The assessment should describe changes to noise and vibration levels as a result of the development (during both the construction and operational phases). Sufficient data should be gathered to provide baseline information for comparison with any future monitoring undertaken during the construction and operational phases. This should include monitoring within the marine environment. • The noise assessment should include noise contours from a	Chapter 8 – Noise and Vibration of the EIS presents an assessment of the likely significant effects of the development. Construction traffic noise and vibration and operation vibration impacts were scoped out of the EIS as they were found to be not significant. Potential effects from noise and vibration during the construction and operational phases of the development on sensitive ecological receptors have been considered within Chapter 12 - Marine Flora and Fauna and Chapter 13 - Terrestrial Flora and Fauna. All potential effects from vibration on sensitive heritage receptors has been considered within Chapter 24 - Heritage Places and Areas. Appendix 1.2 Noise and Vibration Assessment was used to inform the assessment undertaken within Chapter 8. Appendix 1.2 addresses the assessment requirement relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, including technical modelling and assessment works, barring underwater noise modelling of bed substrates. Underwater noise modelling for the development has not incorporated specific data on bed substrates, as this

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		suitable acoustic model for all significant noise generating activities operating under worst case acoustic and meteorological (and/or oceanographic for marine underwater noise) conditions for the transmission of noise from source to marine animals, including the Adelaide Dolphin Sanctuary which is both adjacent to and within the development site, and sensitive receivers, including those residents located on the Le Fevre Peninsula and St Kilda township (including transmission of noise sources across water). • Provide a vibration assessment prepared by a suitably experienced, professional acoustic engineering consultant, assessing the worst case predicted vibration from the development. The report must describe what reasonable and practicable measures will be taken to minimise vibration impacts on sensitive receivers, including marine mammals where relevant, and adjacent State Heritage Places (including Torrens Island Quarantine Station Complex (State Heritage Place (SHP) 26583 & 13931) and the Former Outer Harbour Pilot Station (SHP 11904)), and the likely effectiveness of these measures, with a view to	information has yet to be collected. However, the absence of this data is not anticipated to significantly influence the outcomes or conclusions of the assessment on marine fauna. The modelling approach employed is robust and sufficiently conservative to account for uncertainties, ensuring that potential impacts are accurately evaluated. Additionally, the conclusions are based on well-established principles and validated methodologies, which provide confidence in the reliability of the findings despite this data gap.

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		demonstrating how the 'General Environmental Duty' (as described in section 25 of the *Environment Protection Act 1993*) will be met. • Underwater noise modelling must be undertaken by a suitably experienced specialist. Modelling must include modelling of bed substrates (acoustically reflective or acoustically absorptive) to understand the propagation beyond the proximity of the noise source (whether this be from construction or operational activities). The assessment must identify the distance to which there would be a biological impact to aquatic species. • Describe how environmental management objectives for noise and vibrations would be achieved, monitored, audited and reported, and how corrective actions would be managed. • Propose environmental management strategies that will avoid long-term impacts, including behavioural changes, of underwater noise on marine fauna and describe how objectives would be monitored and audited, and how corrective actions would be managed.	

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AE Q3	Transport and Traffic	• The scope of a transport and traffic impact assessment requiring detailed assessment will build on the Standard Assessment Requirements and be driven by the scale, nature and location of the development and the anticipated transport and traffic impacts (including reference to and consideration of the Osborne North Car Park and Grade Separated Road project, facility operational requirements (e.g. security measures such as checkpoints)). It is expected that the content of the assessment would be determined in consultation with state and local government and other transport infrastructure owners and operators (including Flinders Ports, Viterra and ARTC). • The detailed transport and traffic impact assessment report must be prepared by a suitably qualified planner/engineer and will address end-to-end supply chain (input and output) potential impacts to road (local and state maintained), freight and passenger rail (including ongoing access to the Port of Adelaide, Adelaide Container Terminal and Outer Harbor Grain Terminal), maritime and air transport operations (where relevant). The transport and	Chapter 9 – Traffic and Transport of the EIS presents an assessment of the likely significant effects of the development. Appendix 1.3 Transport and Traffic Technical Memorandum was used to inform the assessment undertaken within Chapter 9. Construction impacts and operational impacts to freight and passenger rail, maritime and air transport operations, shipping and recreational and other maritime/ water vessel access were scoped out of the EIS as they were found to be not significant. Appendix 1.3 Transport and Traffic Technical Memorandum was prepared by a suitably qualified planner/engineer (SMEC). SMEC were engaged by ANI to work in partnership with the Department for Infrastructure and Transport (DIT) to undertake an initial assessment of the strategic impacts of the potential traffic demand associated with the development.

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		traffic impact assessment must address each proposed project-affected mode (e.g. road, rail, air, port and sea) for each phase of the proposed project and identify potential need for infrastructure improvements and measures to mitigate impacts. • The assessment report must assess the impact on existing and projected shipping, recreational and other maritime/water vessel access to the Port of Adelaide, Torrens Island and Port River (including impacts of security considerations / exclusion zones) • Detail how active travel modes and public transport, including connections with existing walking and cycling paths will be established, will be supported and the provision of suitable end of trip facilities for workers employed at the facility.	
AE Q4	Visual Amenity	• Provide a description of the landscape character, features and values of the development area and its environs. This should address (where relevant): – components of the development that may result in impacts to visual amenity,	Chapter 10 - Visual Amenity of the EIS presents an assessment of the likely significant effects of the development. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, have been addressed in Appendix 1.4 Visual Amenity.

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		– public and private viewsheds to the development and the visual values of the area, – viewsheds in which the development features, including from nearby public lookouts, tourist attractions, conservation areas, roads and key vantage points in the vicinity, – existing built features within the landscape and their impact on the existing landscape and visual setting. • Describe the effects of the development on visual amenity and landscape quality, including both near and distant views, such as where public access will be maintained from public reserve and conservation areas, including from the land and sea. This should focus on final built form, but should also address light spill from the development. • If required, provide a visual analysis of the development from key viewpoints, including photomontages or perspectives showing the proposed and likely future development. • Describe the rationale for the major design elements of the proposed development and measures to mitigate their	Chapter 4 – General EIS Requirements include information relating to Alternatives. The development is described within Chapter 2 - Description of Development.

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		visual impact (in the context of an industrial area). • Describe how the design and construction of all buildings and structures will be controlled to ensure cohesive visual amenity, including details of construction materials, colours and landscaping for all main buildings and structures. • Describe the use of screening / amenity / landscape plantings and potential broad scale revegetation, including the opportunities for the use of locally endemic species.	
BE 1	Biosecurity	• Describe how the proposal is consistent with the *South Australia's Biosecurity Policy 2020-2023* and any potential approvals, permits or licenses required prior to conducting marine work during construction and/or operation. • Detail a monitoring program that would audit the success of biosecurity measures, identify whether objectives have been met, and describe corrective actions to be used if monitoring indicates objectives are not being met. • Provide information on the proposed management techniques for incoming ship ballast and bilge waters.	Chapter 11 - Biosecurity of the EIS presents an assessment of the likely significant effects of the development. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, have been addressed in Appendix 1.5 Biosecurity Report, or Appendix 1.7 Terrestrial Flora and Fauna Requirements Analysis for terrestrial weeds.

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		• Describe how the introduction and spread of exotic marine organisms or notifiable pathogens (disease) will be avoided or managed. • Outline strategies to monitor for the early detection of marine exotic organisms (including invasive marine pests) at or near the site, especially on and around marine infrastructure (e.g. wharf, jetty) and how these will be managed. • Outline measures to ensure consistency with the Australian Ballast Water Management Requirements (and national biofouling management guidelines). • Outline strategies to monitor and prevent the introduction and spread of vermin and other nuisance species that can be attracted to port facilities, and measures to manage and monitor such species, including the need to restrict the spread of Pacific Oyster Mortality Syndrome (POMS) from the Port River to other areas of state waters / aquaculture areas. • Outline strategies to monitor, control and manage biofouling of wetted surfaces.	

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BE 2	Marine Flora and Fauna	• Describe the nature and extent of the impacts likely to affect listed threatened native marine fauna species and populations during both construction and operation. Describe the ability of communities and individual species to recover, especially threatened or significant species (including those listed under the *National Parks and Wildlife Act 1972*). Detail any residual impacts that cannot be avoided and propose measures to offset the residual loss. • Assess the potential impacts of the proposed project's activities on the Port River and Adelaide Dolphin Sanctuary more specifically. Model the spread and assess the impacts of any sediment plume to be created by dredging, construction or excavations. • Assess the potential loss of habitat or diversity that could result from the activity and assess any potential impacts on commercial or recreational fisheries, including impacts that could arise from the loss of nursery habitat (e.g. seagrass beds, reefs, or, mangroves) of target species (such as prawns and fish). Assess the potential short-term or long-term impacts of noise on marine fauna, particularly cetaceans.	Chapter 12 - Marine Flora and Fauna of the EIS presents an assessment of the likely significant effects of the development. Terrestrial flora and fauna (including birds) and open space have been considered within Chapter 13 - Terrestrial Flora and Fauna. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, have been addressed in Appendix 1.6 Terrestrial and Marine Flora and Fauna Ecological Report, except: • Model the spread and assess the impacts of any sediment plume to be created by dredging, construction or excavations. Sediment plumes have not yet been modelled. This will be undertaken as the development progresses through detailed design. A Native Vegetation Clearance Data Report will be prepared by an Accredited Consultant approved by the Native Vegetation Council as per the Native Vegetation Act 1991 for any clearance of seagrass. This will be undertaken once the final design of the development and the quantity of seagrass or other native vegetation impacted by the development has been confirmed.

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		• Detail the potential impact, including cumulative impacts, (such as any likely increase in vessel numbers, or habitat fragmentation and loss) on marine fauna, including the Port Adelaide bottlenose dolphins (Indo-Pacific bottlenose dolphins) both during construction and operation, including ecologically and economically important species (e.g. fisheries) • The assessment will also need to take into consideration the outputs of any underwater noise assessment, physical coastal and marine assessment, biosecurity assessment for potential impacts and incorporation of suitable mitigation measures in line with those and other relevant assessments for the development. • Prepare advice, prepared by a suitably qualified coast and marine expert, which details the existing environment, identifies any coastal hazards (e.g. erosion, sea level rise etc)) and significant coastal or marine features or habitats. The report should also assess the impacts of the proposed operations and documents the environmental protection controls and measures to be implemented and monitored. The report should address	

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		impacts on marine organisms from development activities (including noise, vibration, and water quality).	
BE 3	Terrestrial Flora and Fauna	• Describe the location of public or private protected areas reserved under the National Parks and Wildlife Act 1972, Wilderness Protection Act 1992, Crown Land Management Act 2009, Adelaide Dolphin Sanctuary Act 2005 and Forestry Act 1950, council reserves and Indigenous Protected Areas which may be impacted by the development. Include reference to areas under Heritage Agreements through the Native Vegetation Act 1991. • Assess the impacts on public and private protected areas from the development including management of interface issues (e.g. biosecurity, fire management, access) and any implications for Heritage Agreements. • Describe the location, extent, condition and significance of native vegetation, including listed threatened flora species and ecological communities in the development's environs, and identify those that may need to be cleared or disturbed during construction and / or maintenance.	Chapter 13 - Terrestrial Flora and Fauna of the EIS presents an assessment of the likely significant effects of the development. Marine protected areas, flora (i.e. Seagrass) and fauna are assessed within Chapter 12 - Marine Flora and Fauna. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, have been addressed in Appendix 1.6 Terrestrial and Marine Flora and Fauna Ecological Report and Appendix 1.7 Terrestrial Flora and Fauna Requirements Analysis. Given there is no terrestrial vegetation protected under the Native Vegetation Act 1991 on the development site, the following assessment requirement has not been undertaken: • For locations to which the Native Vegetation Act 1991 applies, prepare a Native Vegetation Clearance Data Report prepared by an Accredited Consultant approved by the Native Vegetation Council. The assessment should undertake a survey of the vegetation and fauna (including EPBC Act Listed threatened species and communities), including seagrass in the tidal or subtidal marine environment, detail compliance with the impact mitigation hierarchy and describe how

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		• Identify and characterise any wetlands or groundwater dependant ecosystems that may be affected by altering surface water or the hydrogeological environment. • Describe the development activities with the potential to impact on native vegetation and listed threatened flora species and ecological communities and provide an assessment of how those impacts will be avoided, mitigated or offset. • For locations to which the Native Vegetation Act 1991 applies, prepare a Native Vegetation Clearance Data Report prepared by an Accredited Consultant approved by the Native Vegetation Council. The assessment should undertake a survey of the vegetation and fauna (including EPBC Act Listed threatened species and communities), including seagrass in the tidal or subtidal marine environment, detail compliance with the impact mitigation hierarchy and describe how the significant environmental benefit would be achieved. • Detail potential impacts of fire on native vegetation, and the effects of fire risk management	the significant environmental benefit would be achieved. A Native Vegetation Clearance Data Report will be prepared by an Accredited Consultant approved by the Native Vegetation Council as per the Native Vegetation Act 1991 for any clearance of seagrass. This will be undertaken once the final design of the development and the quantity of seagrass or other native vegetation impacted by the development has been confirmed.

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		processes during construction, operation and maintenance. • Outline measures to mitigate effects on native vegetation by addressing the mitigation hierarchy, including any compensatory activities in already degraded areas and use of existing easements. Refer to guidelines produced by the Native Vegetation Council and outline the likely effectiveness of any mitigation measures adopted during both construction and maintenance. • Describe the location, extent, condition and significance of native fauna populations (including aquatic and subterranean fauna such as stygofauna) and listed threatened and migratory fauna species in the development's environs, and identify those that are likely to be disturbed during construction and / or maintenance. • Describe the development activities with the potential to impact on native fauna species and listed threatened and migratory fauna species and habitats, and provide an assessment of how those impacts will be avoided or mitigated. • Identify all potential sources of light pollution from the	

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		construction and operation of the proposed development. Describe their impacts on native fauna, including nocturnal species, and how these impacts will be managed. • Detail appropriate buffer distances that would be required between the proposed development and threatened species, including feeding areas, nesting sites and roosting sites, and Mutton Cove more specifically.	
CC RE 1	Climate Change Adaptation	• Undertake a climate risk assessment of the relevant potential impacts on the development of projected climate change over the lifetime of the development (e.g. increasing temperatures, extreme heat and heat waves, decline in rainfall, increased drought, extreme rainfall events, harsher fire weather, and sea level rise). Include proposed adaptive management strategies. • For developments with a lifetime to 2050 or before, the risk assessment should be based on climate projections from the RCP 8.5 scenario (high greenhouse gas emissions scenario). For developments with a lifetime beyond 2050, the risk assessment should be based on climate projections under both the RCP 8.5 and	Chapter 14 - Climate Change Adaptation of the EIS presents an assessment of the likely significant effects for the development. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, have been addressed in Appendix 1.8 Climate Review Report. Appendix 1.13 Stormwater Management Plan has informed Chapter 14 and addresses: • Where relevant, outline the potential effects of, and identify strategies to protect against, extreme weather events, including a 1% AEP storm event and sea level rise as per Coast Protection Board policy and allowances from a risk management perspective, including adaptive management strategies. Include mitigation strategies should the structure not withstand such an event.

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		RCP 4.5 scenario (moderate greenhouse gas emissions scenario). • Examine the potential cumulative effects of climate change from a risk management perspective (including adaptive management strategies). • Where relevant, outline the potential effects of, and identify strategies to protect against, extreme weather events, including a 1% AEP storm event and sea level rise as per Coast Protection Board policy and allowances from a risk management perspective, including adaptive management strategies. Include mitigation strategies should the structure not withstand such an event.	
CC RE 2	Greenhouse Gas Emissions	• Undertake a preliminary greenhouse gas assessment that: - identifies potential sources of GHG emissions that would be generated - provides an estimated annual GHG emissions for the construction and operating phases - provides an estimate of yearly net GHG emissions and emissions intensity, including an uncertainty assessment	Chapter 15 - Greenhouse Gas Emissions of the EIS presents an assessment of the likely significant effects for the development. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, have been addressed in Appendix 1.9 Greenhouse Gas Emissions

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		- provide an inventory of projected annual Scope 1 and Scope 2 emissions. • Describe how the project will contribute to meeting South Australia's emissions targets i.e. 100% renewable energy target by 2030, 50% emissions reduction below 2005 level by 2030 and zero net emissions by 2050. • Describe measures that have been incorporated in the design to minimise, reduce and ameliorate greenhouse gas emissions, particularly the use of alternative or renewable energy sources and off-sets, energy efficiency and energy conservation measures, and if it incorporates integrated passive design principles and climate-responsive techniques and features and identify barriers to implementation.	
CC RE 3	Sustainable Use of Resources	• Describe the sustainability objectives of the development and the approach and methodology used to achieve these objectives. • Describe design guidelines for aspects of the development (including transport options) that would be adopted to ensure sustainability.	Chapter 4 – General EIS Requirements, Section 4.9 includes information relating to Sustainable Use of Resources. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, have been addressed in Appendix 1.9 Sustainable Use of Resources

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		• Describe how sustainability of the development will be audited. • Identify ways in which power use can be minimised or supplemented, especially using alternative energy sources, energy efficient measures and energy conservation. • Describe the proposed approach to matters such as design, construction methods, materials and equipment to reduce energy use (including vehicle emissions), disposal of waste, water use efficiency during construction and operation over the life of the project.	
CC RE 4	Waste Management	• Identify, quantify and classify all the expected waste streams to be generated from the proposed project activities during the construction, operation, rehabilitation and decommissioning phases of the development. • Assess and describe the proposed management measures for each waste stream against the waste management hierarchy, namely: avoid and reduce waste generation, reuse, recycle, recover energy and other resources, treatment and disposal. This includes the	Chapter 16 – Waste Management of the EIS presents an assessment of the likely significant effects for the development. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, have been addressed in Appendix 1.11, except decommissioning. Decommissioning has not been considered in this EIS given the length of time until potential decommissioning, and the likelihood that the development would be repurposed for other defence maritime works rather than decommissioned. As discussed with agencies, a waste management and minimisation plan is not able to be effectively prepared at this stage of development design. A recommended framework has been

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		generation, storage and transport of waste. • Prepare a waste management and minimisation plan (for demolition, construction and operation where relevant), detailing the sources of waste, the location of waste storage (including separation of waste streams, such as recyclables, hard waste and e-waste) and disposal facilities on the site or development -related sites (e.g. laydowns) and provide details of how these facilities will be serviced, including the need for licensing, permits or approvals to support proposed offsite or onsite waste management practices • To support planning of logistics and industry capability, identify potential waste service providers, including any potential requirement for waste streams to be managed by licensed service providers interstate. • Describe the method of storage of the radioactive waste from all relevant components of the proposal during ongoing operations, including transport and handling, storage and disposal of radioactive waste. • Describe the method of disposal of radioactive waste from all relevant components of	provided as part of Appendix 1.11, and the plan will be prepared at the appropriate time.

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		the proposal after operations are completed.	
LR SE 1	Local, Regional and State Economies	• Provide a full economic analysis of the development including the long-term economic viability and efficiency of the operational aspects of the development, incorporating a regional impact analysis (RIA) and cost-benefit (risk return) analysis (CBA). • The RIA should focus on the direct impact of the project on the local, regional and state economies. The identification of economic impacts should include the prediction of spending on goods, services, taxes etc. during construction and operation of the project and the distribution of income generated by the project. • The CBA should assess the impact of the project on the economic welfare of the economies of interest by estimating a dollar value for as many economic, social and environmental benefits and costs as can reasonably be predicted. • Consideration of regional economic impacts should include:	Chapter 17 Local, Regional and State Economies of the EIS presents an assessment of the likely significant effects for the development. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, are addressed in Appendix 1.12 – Economic Analysis except: • Identification of the impacts of the development will have on existing users of distribution networks for gas, electricity, waste, potable water, sewerage, and communication systems. This assessment requirement is covered in Appendix 1.16 Land Tenure, Protected Areas and Land Use.

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		- An outline of the skill level requirements of any new workforce, the component of the workforce that is expected to be hired locally, and the type of employment this would entail (e.g. full time, permanent, sub-contractors, casual, skilled labour, truck drivers etc) and identify if this employment would be continuous/year round. - Description of the existing significant economic activities and facilities in the areas (e.g. industrial, commercial, primary production (e.g. mining, agriculture, horticulture, viticulture, aquaculture, fishery), tourism) in the project area. • Identification of the impacts of the development will have on existing users of distribution networks for gas, electricity, waste, potable water, sewerage, and communication systems. • Describe any potential economic effects locally and regionally and the potential to attract value add development and commercial ventures including: - potential employment opportunities and the	

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		expected impacts on the local workforce during construction and operational stages and flow-on impacts on local business - information on local and indigenous employment and training opportunities associated with the proposal. the economic effect of the construction and on-going workforce regionally. Include consideration of impact of development on existing industries and local businesses if workers change employment e.g. mining taking skilled workers from trades and agriculture due to higher wages. - effects on accommodation supply and demand - an analysis of existing supply chain and prospective suppliers, as well as any gaps in the supply chain - consideration of any additional land requirements to support the development (i.e. third-party supplier, logistics, transport, warehousing, manufacturing, office etc) to support the project and	

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		need to be co- locate or within close proximity. - secondary economic effects, including property and land values, potential to attract new industries and commercial ventures. Describe the positive and negative effects on existing businesses / industries (e.g. displacement, competition or opportunities) - the proposal's anticipated effect on State and local investment, research and development, educational effects, employment generation and flow-on impacts on business. - the proposal's anticipated effect on State and local investment and the region as a whole Identifying employment and investment opportunities, including the 'multiplier effect' for the local area, the broader regional economy and community and South Australia. - any economic implications for the State and the region if the development does not proceed.	

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HR 1	Hazard Assessment and Management	• Undertake a risk assessment which describes the potential risks to people and property that may be associated with the proposed project for all components of the development. The assessment must address the following matters (where relevant): a) Potential hazards during construction and/or operation of the facility, including - the storage, installation and use of nuclear propulsion systems, dangerous substances, accidents, fire, occurrence of contaminated land and abnormal events that may occur during all stages of the proposed project, including estimated probabilities of occurrence, and - associated with Major Hazard Facilities, transmission lines, petroleum and gas pipelines, storage and use of dangerous substances and explosives, both onsite and associated with neighbouring land uses / facilities (including Quantem (bulk storage terminal of petrol and diesel), Ixom (chlorine storage) and the approved	Chapter 4 – General EIS Requirements, Section 4.10 and Appendix 1.15 - Dangerous Substances includes information relating to Hazards Assessment and Management. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, have been addressed in the following locations of the EIS. Part A: Appendix 1.15 - Dangerous Substances. Section 4.10 to 4.12 of Chapter 4. Part B: Section 4.10 of Chapter 4. Chapter 14 – Climate change adaptation. Chapter 18 – Flooding. Part C: Section 4.10 and 4.11 of Chapter 4. Note that a full risk assessment in accordance with AS/NZS ISO 31000:2018 and HB203:2006 would be completed once the final design of development is known.

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		Venice Energy LNG Storage Facility (floating storage and regasification unit)). - Describe measures that would be taken to minimise the risks of these events and mitigate impacts of incidents at nearby facilities on the proposed development (such as siting considerations). b) Assess the vulnerability of the area to natural and induced hazards, including floods, coastal inundation and storm events. Consider the relative frequency and magnitude of these events together with the risk they pose to the construction, operation and decommissioning of the proposed project, as well as the rehabilitation of the site. Describe measures that would be taken to minimise the risks of these events. c) Evaluate the risk of fire, explosion, containment facility Evaluate the risk of fire, explosion, containment facility failure or other high consequence events at the site and any potential impacts on human health and to the environment (including	

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		marine and terrestrial flora and fauna), particularly from the storage, installation and use of nuclear propulsion systems. This should include a description of the critical controls (and how they will be maintained) that will be used to minimise the risks and mitigate the impacts from these catastrophic risks. • Hazard analysis and risk assessment in accordance with AS/NZS ISO 31000:2018 Risk management guidelines and with HB203:2006 Environmental risk management principles and processes.	
HR 2	Flooding	• Describe the history of flooding onsite and in proximity to the development site. • Describe current flood risk for a range of annual exceedance probabilities up to the probable maximum flood for the proposed project site, including consideration of flooding associated with interactions between surface water flows and coastal inundation under climate change scenarios (i.e. sea level rise, storm events). • Use flood modelling to assess how the proposed project may potentially change flooding and run-off characteristics on-site	Chapter 18 – Flooding of the EIS presents an assessment of the likely significant effects for the development. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, are addressed in Appendix 1.13 Stormwater Management Plan.

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		and both upstream and downstream of the site, including changes associated with the dynamics between surface water flows and coastal inundation risks. • The assessment must consider all infrastructure associated with the proposed project including levees, roads, and linear infrastructure, and all proposed measures to avoid or minimise impacts. • Identify the potential impacts on people, property, infrastructure and the environment from potential flood risk (where relevant). • Evidence must be provided to demonstrate that the securing of storage containers of hazardous contaminants during flood events meets relevant requirements of the Environment Protection Act 1993.	
HR 3	Site and Groundwater Contamination	• Describe the historical land use and potential for contamination of soils and sediments and describe any known or suspected soil contamination that could be re-suspended, released or otherwise disturbed as a result of past or future development. This investigation would also consider any previous use of waste fill or similar materials, including the	Chapter 19 – Contamination of the EIS presents an assessment of the likely significant effects for the development. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, are addressed in Appendix 1.14 Physical Environment.

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		deposition of dredge spoil from the Port River. • Detail any known or potential sources of contaminated groundwater that could be impacted by the development. • Detail procedures to be adopted to confirm whether site contamination exists (such as site history, site audit, and site contamination reporting) and any remedial measures proposed. • Detail management measures that will be required during construction and operation to prevent site contamination. • Demonstrate compliance with the assessment methodology and site acceptability requirements for the intended use(s) of the development sought by Practice Direction 14 Site Contamination Assessment 2021, Plan SA. • Describe how site and groundwater contamination assessment will be undertaken in accordance with the National Environment Protection (Assessment of Site Contamination) Measure, the EPA Guidelines for the assessment and remediation of site contamination (2019), the PFAS National Environmental Management Plan 2.0, and	

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		other relevant guidance issued or referred to by the EPA.	
HR 4	Dangerous Substances (excluding Nuclear)	• Identify all dangerous and hazardous substances and any explosives to be used, transported, stored, bunded, processed or produced and the rate of usage. • Describe the use, handling and disposal of these materials during construction and operation, with reference to storage (including any associated fire protection facilities). • Describe how hazardous contaminants and waste substances produced by the development will be treated, contained and bunded until their disposal at an approved facility. • Evaluate the potential effects of any accidents involving dangerous substances on the environment and public health in the vicinity of the site.	Chapter 4 – General EIS Requirements, Section 4.11 and Appendix 1.15 - Dangerous Substances includes information relating to dangerous substances. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, are addressed in Appendix 1.15 Dangerous Substances.
HR 5 (NEW)	• Nuclear Propulsion Systems and Radiation Exposure	• Describe the process to transport, receive, secure, store, install, test and commission a nuclear-powered submarine propulsion system. • Describe and assess the radiation exposure pathways to workers, the public and non-human biota from	Chapter 4 – General EIS Requirements, Section 4.12 includes information relating to nuclear-powered propulsion systems and radiation exposure from accident.

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
	from Accident	relevant components of the development during construction and operation (including incident scenarios). • Describe the measures to control and optimise (reduce) any identified radiation exposure pathways to workers, the public and non-human biota from nuclear powered submarine propulsion system componentry during construction and operation, as well as longer term, the framework for the eventual decommissioning and rehabilitation of the site. • Outline how the radiation exposure pathways to workers, the public and the environment from relevant components of the development would be monitored during construction and operation of the site. • Describe existing radiological characteristics of the environment that could be impacted by construction or operation of the development and the eventual decommissioning and rehabilitation of the site (e.g. air quality, soils, surface and groundwater, marine, etc). • In considering the above, ARPANSA's Radiation Protection Series must be referenced in the consideration of potential impacts on planned, existing and emergency situations for the public, workers and the environment.	

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
LU SC 1	Land Tenure, Protected Areas and Land Use	• Provide details of the existing land uses (including relevant Planning Code Overlays and Zones), land tenures and protected areas at, overlapping or adjoining the development site. • Provide details of site services and infrastructure including utility services (water, gas, electricity, sewerage disposal, wastewater, drainage, trenches or conduits); • location of ground and roof plant and equipment (electricity transformers; air conditioning; solar panels etc). • Provide high-level energy demand profile (including gas and electricity) for the construction and operational phases of the development, noting current network capacity to meet expected future demand, including consideration of the need for back-up power supplies for the facility. • Provide details of the development (activities or structures) with the potential to impact on existing land uses, land tenures and protected areas that overlap, adjoin or are in the region of the development. • Describe existing or potential native title rights, claims and	Chapter 4 – General EIS Requirements, Section 4.1 to 4.5 and 4.13 and Appendix 1.16 Land Tenure, Protected Areas and Land Use includes information relating to land tenure, protected areas and land use. In addition, Table 4.14: Assessment Requirements within Chapter 4 sets out where they are addressed within the EIS. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, are addressed in Appendix 1.16 Land Tenure, Protected Areas and Land Use.

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		interests which may be impacted by the development (including with the use of maps) the following native title considerations: • land or waters where native title has been determined to exist by the Federal Court • land or waters that are covered by a native title determination application. • land or waters that are covered by a registered Indigenous Land Use Agreement. • Describe in general terms the potential impacts of the development on existing or adjoining land use. [Note that many impacts and mitigation measures will be addressed under Assessment Requirements for other environmental attributes and should be cross-referenced accordingly in the EIS]. • Describe (where relevant) potential impacts of the development for Crown land (including the Port River) and Native Vegetation Heritage Agreements or any other relevant land tenures (including leases and licences). • Describe the existing policy and legislative considerations underpinning the Adelaide	

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		Dolphin Sanctuary which apply to the development. • Describe (where relevant) potential impacts of the development or areas protected under legislation or Special Legislative Schemes, including consideration of interface issues with the adjoining Mutton Cove including if the proposal will contribute to an 'edge effect' and discuss how this impact can be mitigated. • Provide an assessment of local impacts to adjoining land uses identified in the scoping application (e.g. property access (fencing, gates), privacy and enjoyment, conduct of regular or seasonal activities (e.g., harvesting, spraying, lambing) and describe any measures to mitigate these impacts.	
PE 1	Coastal and Marine	• Describe existing coastal environmental values including estuarine, littoral and marine environmental values (e.g. water quality, benthos, aquatic flora and fauna, mangrove areas, salt marsh, and amenity) that could be impacted by construction or operation of the development. • Describe current processes and recently historical estuarine, littoral and marine morphology with a description of the	Chapter 20 - Coastal and Marine of the EIS presents an assessment of the likely significant effects for the development. Chapter 20 does not deal with impacts associated with the construction of the coastal and marine interface works and dredging activities to construct the development. These impacts and effects have been comprehensively assessed within their respective technical chapter that deals with the sensitive receptor that is potential affected by the activity as outlined below:

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		processes shaping the coastal system (e.g. tides, rivers, floods, coastal currents, sediment transport, major storms, rocky headlands, or islands) • Describe the legislative, regulatory and planning contexts for coastal systems that apply to the development. • Describe existing residential, commercial or recreational uses of the coastal system that could be impacted by construction or operation of the development. • Provide details of proposed works with potential to affect coastal processes including buildings and infrastructure to be built on the shore or on land close to the shore and excavations on or near the shore. • Provide detail of any required dredging (area and volume) within the Port River both immediate (capital) and likely ongoing (maintenance). Identify spoil de- watering and storage site/s and how the spoil storage sites will be protected from potential sea flood risk. • Identify the flooding and erosion risks to the site (including flooding and erosion exacerbated by sea level rise and extreme weather events) and measures to reduce the risks.	• Air Quality – Chapter 7 - includes an assessment of air quality impacts to surrounding human receptors from all construction activities. • Noise and Vibration – Chapter 8 – includes an assessment of noise and vibration impacts to surrounding human receptors from all construction activities. • Biosecurity - Chapter 11 - includes an assessment for the spread of marine pests during construction. • Marine Flora and Fauna – Chapter 12 – includes assessments to native marine vegetation, listed marine fauna, the Adelaide Dolphin Sanctuary and commercial and recreational fisheries from construction activities. • Heritage Places and Areas - Chapter 24 - includes an assessment of disturbance of shipwrecks. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, are addressed in Chapter 20 and Appendix 1.17 Coastal and Marine except the following: a) Provide detail of any required dredging (area and volume) within the Port River both immediate (capital) and likely ongoing (maintenance). Identify spoil de-watering and storage site/s and how the spoil storage sites will be protected from potential sea flood risk.

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		• Provide details of the pre- and post-development stormwater flow regime, including detail of runoff generated under a 1 EY, 50 year ARI and 100 year ARI events • Provide details of how natural processes and the protective function of landforms and vegetation will be maintained in sea erosion and storm tide inundation areas. • Identify any potential for Coastal Acid Sulfate Soils (CASS) to be encountered on the site and how this might be mitigated (refer to the Coast Protection Board policy on CASS). • Assess the potential impacts to the coastal system and existing uses from the development and propose mitigation measures to avoid or minimise those impacts during construction and operation. • Map existing vegetation communities and describe the effect of the proposed development on coastal features and associated vegetation communities and outline management and rehabilitation measures for these areas. • Identify the impact of coastal erosion due to expected sea	As outlined within Chapter 1 - Introduction and Need for the Development, operational dredging activities for the Project, including any maintenance dredging for the coastal infrastructure, are excluded from assessment within this EIS. As such, all potential effects on the marine environment from operational dredging activities have not been considered at this time. b) Model the sediment plume produced by any dredging including an assessment of likely risk to marine vegetation and fauna. Modelling should be developed using at least 12 continuous months of turbidity data collected from the site. Sediment plume modelling has not yet been undertaken. This will be undertaken as the development progressed through detailed design, and as part of the dredge licensing process.

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		level rise of 0.3 metre to 2050 and 1.0 metre to 2100. • Describe the effect on the conservation values of the nearby conservation areas (including conservation parks, national parks, land with heritage agreements, Adelaide Dolphin Sanctuary etc) • Describe historical marine uses and the potential for contamination of sediments or contaminated groundwater entering the marine environment and describe any known or suspected sediment or groundwater contamination within the study area that could be re-suspended released or otherwise disturbed as a result of the project. Provide details of proposed works with potential to affect marine waters and current uses. The description should include the following matters (where relevant): • potential impact of vessel movements on the marine environment • any jetties, bunds, harbour walls, groynes, channel markers, or other infrastructure, to be built in the Port River • any proposals to undertake transhipping of material in state waters or the Commonwealth marine area	

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		• describe the underlying geology and the nature of the soils with special reference to coastal landforms • identify geological, seabed and substrate impacts that may occur as a result of any dredging activity that will be undertaken during the construction phase. Detail measures for managing these impacts. • identify the total 'in water' footprint of the proposed development (including all areas to be dredged and/or altered) • Model the sediment plume produced by any dredging including an assessment of likely risk to marine vegetation and fauna. Modelling should be developed using at least 12 continuous months of turbidity data collected from the site. • Describe the potential for pollution (e.g. sediment plumes, discharges or spills to land and water, discharge of stormwater and wastewater) of marine waters during construction and operation. Identify locations where discharge to marine waters or land may occur during construction, operation or decommissioning of the development. • Assess the potential impacts of the proposed project's activities	

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		in marine waters including, but not limited to, any potential impacts on the Adelaide Dolphin Sanctuary and Port River, commercial or recreational fisheries effects of the development on nursery habitat. Include spills of fuels and chemicals from water and land-based activities, run-off / discharge from land-based activities and propose mitigation or offset measures to avoid or minimise those impacts during construction and operation.	
PE 2	Soils, Landform and Geology	• Provide a description of the soils, landform and geology in the area of the development including the potential for water and wind erosion, soil salinity, acid sulfate soils and soil contamination. The description should: • Characterise soil types and structures in the development area and identify the potential location and disturbance of dispersive, acid sulfate, saline or potentially contaminated soils, or soils of other special characteristics that could affect or be affected by the development. • Identify hydrological, geomorphic or meteorological conditions that may contribute to susceptibility to erosion (e.g., channels, steep slopes, wind).	Chapter 4 – General EIS Requirements, Section 4.14, Chapter 19 – Contamination and Appendix 1.14 - Physical Environment Report. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, are addressed in Appendix 1.14 Physical Environment

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		• Identify any areas of ground instability and any ground conditions that may be susceptible to subsidence from development activities (e.g. tunnelling, deep excavation, dewatering) and direct and indirect changes to vegetative cover. Identify properties, structures and infrastructure that may be susceptible to subsidence. Land subsidence may be a relatively significant contributor to sea flood risk in this location and may occur regionally without being generated from incoming development. • Describe the development activities with potential to impact on soils and ground stability. • Address the implications of seismicity in the area in relation to both the construction and operation of the development. • Identify the risks of contamination of land from spills of fuel (or other toxic substances). Describe measures for the prevention and containment of spills, describe the contingency plans to be implemented in the event of spills, and comment on their expected effectiveness. • If acid sulfate soils would be disturbed or unexpectedly encountered during	

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		construction, describe measures to avoid oxidation of the sulfides, treat and neutralise the acid if it forms and manage any excavated material. • Ensure that appropriate soil contamination investigations have been undertaken and that soil generated from earthworks is managed in accordance with EPA guidelines, including for re-use on site or removal of material off-site for re-use, treatment or disposal	
PE 3	Surface Water and Groundwater	• Describe existing surface water environmental conditions upstream and downstream of the site (including seasonal variations and variations with flow) of waterbodies, watercourses, drainage channels, wetlands and floodplains. Water quality, any existing site contamination and potential sources of surface water pollution should be addressed. • Describe the legislative, regulatory and planning contexts for surface water that apply to the development. • Describe the potential for pollution (e.g. sediment plumes, spills to land and water, discharge of stormwater and wastewater, dewatering) of water bodies, watercourses, drainage channels and	Chapter 21 - Surface Water and Groundwater Quality of the EIS presents an assessment of the likely significant effects for the development. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, are addressed in Appendix 1.13 Stormwater Management Plan for surface water and Appendix 1.14 Physical Environment for groundwater and content relevant to spills, erosion etc. The following have not been included: • Prepare a Soil Erosion and Drainage framework. This framework has not yet been prepared. The EIS commits to preparing a Soil, Erosion and Contamination Management Plan at the relevant time.

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		wetlands during construction and operation. Identify locations where discharge to surface waters or land may occur during construction, operation or decommissioning of the development. • Describe potential alteration to surface water flows as a result of the development (including to waterbodies, watercourses, wetlands, floodplains, beds and banks) and include details of the nature of the works. • Identify the risks of contamination of land from spills of fuel (or other toxic substances). Describe measures for the prevention and containment of spills, describe the contingency plans to be implemented in the event of spills, and comment on their expected effectiveness. • Describe the proposed mitigation measures to protect the environmental values for surface water quality, how the relevant standards and indicators may be achieved, to protect surface water during construction and operation. Provide details of proposed stormwater management, both installation and ongoing maintenance requirements, as well as any water sensitive design features as part of the development. If required, revisit project design and construction	

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		methodologies to reduce impacts surface water quality to demonstrate that the Water Quality EPP will be met. • Prepare a Soil Erosion and Drainage framework which describes the site characteristics, including the existing topography and runoff characteristics and outline measures to prevent soil erosion and contaminated runoff from leaving the site during construction and operations (including any opportunities for water sensitive design). Include inspection, maintenance and monitoring of effectiveness of soil erosion measures. If applicable, include details of how management measures may alter in accordance with staging of the development. • Describe measures for storage and management of stockpiled topsoil and subsoils to minimise potential adverse effects on local hydrology and water quality, restoring soil profiles and drainage Include sediment and erosion controls where required (e.g. temporary berms, controlling water movement into and around the site, stockpile management and stabilisation of non-paved operational areas). • Describe the known groundwater related	

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		environmental conditions including quality and significance of groundwater in the area of the development and any surrounding area potentially affected by the proposed development's activities • describe the nature, type, geology / stratigraphy and depth to and thickness of the aquifers, and hydraulic properties. • any existing site contamination, and any identified potential sources of groundwater pollution • characterise the quality and volume of the groundwater including seasonal variations of groundwater levels • describe existing groundwater supply infrastructure (e.g. bores, wells, or excavations). • Describe the legislative, regulatory and planning contexts for groundwater that apply to the development (if applicable). • Describe present and potential users and uses of groundwater water in areas potentially affected by the development, including residential, municipal, agricultural, industrial, recreational and environmental uses of water including	

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		groundwater dependent ecosystems (GDE). • Describe the potential changes to hydrology (including water quality), as a result of the proposal, and the implications of these changes. Water quality impacts should consider any parameters (e.g. metals, non-metal inorganics) considered • important for existing groundwater users / uses in the vicinity of the projected area of impact. • Where groundwater would be taken by the development, quantify the volume of water that would be taken, the timeframe over which the take would occur and the potential impact on groundwater users (if applicable), noting that as the subject land is in the Central Adelaide Prescribed Wells Area, a water licence will be required for the taking of any groundwater for industrial uses. Include details as to how any dewatered water would be managed and used or disposed of, taking into consideration the waste management hierarchy and any nearby known site contamination. • Describe stormwater and wastewater management and the potential impact on groundwater resources in	

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		particular with regard to fuel and chemicals used in construction and / or operation of the development. Describe measures proposed for management of stormwater and wastewater during construction and operation to avoid impacts to groundwater.	
DQ 1	Urban Design and Place-Making	• Provide a contextual analysis and identify site-specific issues including: - existing site conditions - existing built form, heritage context (if applicable), setbacks and land uses within the locality - existing transportation networks and movement patterns (public transport, bicycle paths, pedestrian paths) - existing landscape (Regulated and other trees - environmental conditions (orientation, outlook and views, noise sources). • Describe the development principles that are informing the site layout. • Demonstrate the proposal's precinct/site-wide movement strategy with consideration given to the following: - access and parking for worker and service vehicles.	Information relating to Urban Design and Place-Making is included at the following locations within the EIS: • Chapter 5 – Receiving Environment and Chapter 7 to 24. • Chapter 2– Description of Development • Chapter 9 - Transport and traffic and Appendix 1.3 Transport and Traffic Technical Memorandum • Chapter 2 – Description of Development • Chapter 4 - EIS Requirements • Appendix 1.10 Sustainable Use of Resources • Appendix 1.9 Greenhouse Gas Emissions • Appendix 1.11 Waste Management A set of plans, drawn to scale, and prepared by a suitably qualified consultant has been provided.

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		- active travel connectivity and public transport - public access to the coast and open space connectivity (specifically how this will be modified or restricted) • Demonstrate the proposal's site configuration and built form. • Describe the proposal's landscape design response with consideration given to Water Sensitive Urban Design (WSUD) principles, enhancing biodiversity, proposed vegetation replanting / offsets, reclamation and/or rehabilitation of land not required for the facility, and the urban / coastal / industrial interface including with Mutton Cove and Failie Reserve. • Describe the proposal's Environmentally Sustainable Design (ESD) strategy. • Provide documentation in accordance with clause 5(2)(e) of Practice Direction 17 Impact Assessed Development.	
SC 1	Aboriginal Cultural Heritage	• Describe any consultation with the RARB or any relevant Traditional Owner representatives relevant to the project area. Details of Aboriginal heritage provided by Traditional Owners during consultation or discussed in the EIS must remain confidential	Chapter 22 - Aboriginal Cultural Heritage of the EIS presents an assessment of the likely significant effects for the development. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, are addressed in Appendix 1.18 Aboriginal

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		and are not to be disclosed or published by the proponent. • Describe the outcomes of AAR's central archives search for the project area, including consideration of any restricted Aboriginal sites and instances where approval from Traditional Owners may be required to access further information about the nature and/or location of the heritage. • Describe any Aboriginal heritage surveys or assessments relevant to the project area, including historic reports where relevant and accessible. These may include desktop-based heritage assessments, heritage survey/inspection reports, Work Area Clearance reports or other risk assessments. Where an Aboriginal heritage assessment is undertaken, it must be done by an appropriately qualified heritage expert. • Where there is a high risk of discovery of Aboriginal heritage within the project area, it is recommended that the proponent engage Traditional Owners and a qualified heritage expert (archaeologist and/or anthropologist) to carry out an on- ground heritage survey/inspection of the project area.	Heritage Desktop Assessment (not for public release). The following have not been provided: • Preparation of an Aboriginal heritage discovery plan or Cultural Heritage Management Plan (if required) to protect and appropriately manage Aboriginal heritage during all phases of the project. • Preparation of an Aboriginal Engagement Plan that sets out steps taken to facilitate early, ongoing, meaningful and effective consultation with identified Aboriginal stakeholders throughout project design delivery and operations. An Aboriginal heritage discovery plan or Cultural Heritage Management Plan has not yet been prepared. However, the EIS commits to preparing a Heritage Management Plan for the development at the appropriate time. Engagement with Aboriginal and Torres Strait Islander peoples is covered in the development's overarching Engagement Plan.

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		• Identify any potential impacts to recorded or unrecorded Aboriginal heritage in the project area (noting that the specific location of any heritage must not be identified in the EIS). • Outline measures to avoid or minimise impacts to recorded and unrecorded Aboriginal sites, objects and remains in the project area during construction and operations phases. Where impacts to Aboriginal heritage are proposed, the proponent must hold valid authorisations under the Aboriginal Heritage Act 1988 (SA). • Preparation of a Aboriginal heritage discovery plan or Cultural Heritage Management Plan (if required) to protect and appropriately manage Aboriginal heritage during all phases of the project. • Preparation of an Aboriginal Engagement Plan that sets out steps taken to facilitate early, ongoing, meaningful and effective consultation with identified Aboriginal stakeholders throughout project design delivery and operations.	

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
SC 2	Community Wellbeing	• Provide a social impact assessment (SIA) of the development which addresses: - the existing social environment of communities potentially impacted by the project - the potential social impacts (both positive and negative) of the project, and how they will be managed and monitored • The SIA should include social baseline information which includes but is not limited to: - a demographic profile of potentially affected communities - an analysis of community characteristics (e.g. community history and culture, land / property ownership) - an overview of land use, key industries in the region, and relevant local and state government plans - an overview of the capacity and accessibility of infrastructure, facilities and services, including education, health and emergency services - an analysis of the existing housing and accommodation market, including availability, capacity and affordability - a profile of the local and regional labour market, including likely availability of	Chapter 23 - Community Wellbeing/Social Impact Assessment of the EIS presents an assessment of the likely significant effects for the development. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, are addressed in Appendix 1.19 Social Impact Assessment

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		personnel with skills relevant to the project - details of other resource, infrastructure and major projects in the area (planned and currently operating). • Key matters to be addressed by the SIA (for both construction and operation) are: - Workforce Management incorporating (where relevant)- - a summary workforce profile. - an analysis of the local and metropolitan labour market, and an assessment of potential social impacts, including employment opportunities, training and development opportunities - an assessment of opportunities for local workers to commute to and from work, including the use of public transport and active travel modes. - workforce management measures which *[may]* include: ➢ measures to enhance potential employment opportunities for local communities, and to mitigate potential negative social impacts. ➢ provisions to prioritise recruitment of workers from local communities ➢ proposed training and development initiatives to	

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		improve local and regional skills and capacity including, where relevant, initiatives for traditionally under-represented groups. - Housing and Accommodation incorporating (where relevant): - clarification of any temporary workforce accommodation provision (i.e. location, quantity, type etc) - analysis of potential social impacts from additional housing demand for the temporary and permanent workforce, including: ➢ potential impacts to availability and affordability of housing (open ➢ market and rental) and other forms of accommodation ➢ consequences of project induced housing market changes for local residents ➢ potential opportunities for local accommodation providers - workforce housing and accommodation management measures which *[may]* include: ➢ measures to enhance potential benefits for project workers and the community, and to mitigate potential negative social impacts ➢ policies regarding housing and accommodation support to be	

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		provided to project workers and their families who wish to live locally. - Health and Community Well-being incorporating (where relevant): - an analysis of the availability, accessibility and capacity of, and an assessment of potential project impacts on, existing social services, facilities and infrastructure such as healthcare and emergency response, transport and utilities, education and childcare, and community support services - an analysis of the health and well-being of potentially impacted communities (in particular relevant disadvantaged groups e.g. Aboriginal people, disability, elderly), and an assessment of potential social impacts, including: ➢ community health, safety and security ➢ livelihoods, economic well-being and access to resources ➢ community lifestyles and cultural practices, amenity value, social character, and community cohesion ➢ potential temporary or permanent effects on community recreational	

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
		facilities, affecting the use of open space and the enjoyment of passive and active recreational opportunities. - health and community wellbeing management measures which *[may]* include: ➢ measures to ensure that the level of service provided to the local community by existing social services, facilities and infrastructure is not reduced ➢ measures to mitigate potential health and well-being impacts on local communities, and enhance potential benefits ➢ the level of on-site health services to be provided for workers ➢ details of any workforce code of conduct to govern worker interactions with local communities ➢ emergency response arrangements and management measures agreed with emergency service providers, for incidents both on and off the project site ➢ details of any community development programs to be implemented, and the outcomes to be achieved.	

Ref	Environmental attributes	Assessment Requirement	Where to find the response in this EIS
SC 3	Heritage Places and Areas	• Provide details of the location, nature and known potential heritage values of all historic heritage potentially affected by the development particularly State and Commonwealth-listed places and areas (including shipwrecks). • **Provide** an assessment of potential impacts from the development on all State heritage and other listed historic heritage places and areas (including shipwrecks). If applicable, this study should be undertaken. • If Commonwealth, National and World Heritage places have been identified, undertake an assessment of potential impacts to heritage values. • Provide design, management and site protection strategies (prepared by an appropriately qualified heritage consultant in accordance with the PDI Code if relevant) to avoid, mitigate or manage negative impacts on heritage values and enhance any positive impacts.	Chapter 23 - Heritage Places and Areas of the EIS presents an assessment of the likely significant effects for the development. All assessment requirements relevant to the development, as described with Chapter 1 and Chapter 3 of the EIS, are addressed in Appendix 1.20 Heritage Places & Areas Report.

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