

SMITH BAY WHARF

DRAFT ENVIRONMENTAL IMPACT STATEMENT

APPENDIX W

PREPARED FOR KANGAROO ISLAND PLANTATION TIMBERS BY ENVIRONMENTAL PROJECTS

JANUARY 2019

SMITH BAY WHARF

DRAFT ENVIRONMENTAL IMPACT STATEMENT

APPENDIX W

PREPARED FOR KANGAROO ISLAND PLANTATION TIMBERS BY ENVIRONMENTAL PROJECTS

JANUARY 2019

APPENDIX **W**

APPENDIX W – GUIDELINES AND CROSS-REFERENCING

W DAC Guidelines and EIS Cross-Referencing Table.....





Appendix W –
DAC Guidelines
and EIS Cross-
Referencing Table

CONSISTENCY WITH THE REQUIREMENTS OF THE EIS GUIDELINES

Guideline number	Guideline text	Draft EIS cross-reference
Guideline 1 EPBC Act	<p>The Commonwealth Minister for the Environment and Energy has determined (EPBC no.2016/7814) that the proposed action is likely to, or may have, a significant impact on the following controlling provisions (matters of national environmental significance (MNES)):</p> <ul style="list-style-type: none"> • Listed threatened species and communities (sections 18 & 18A) including but not limited to: <ul style="list-style-type: none"> - the endangered and migratory Southern Right Whale (<i>Eubalaena australis</i>) - the endangered Kangaroo Island Echidna (<i>Tachyglossus aculeatus multiaculeatus</i>) - the vulnerable Hooded Plover (eastern) (<i>Thinornis rubricollis rubricollis</i>) - the Southern Brown Bandicoot (eastern) (<i>Isoodon obesulus obesulus</i>) • Listed migratory species (sections 20 & 20A) including but not limited to: <ul style="list-style-type: none"> - the endangered and migratory Southern Right Whale (<i>Eubalaena australis</i>) • Commonwealth marine areas (sections 23 & 24A) – while it is understood the action is proposed to be taken outside a Commonwealth marine area, the assessment documentation must consider if there is a real chance or possibility that the action will impact a Commonwealth marine area, for example, because the action will have a substantial adverse effect on a population of a marine species such as a cetacean including its life cycle (e.g. breeding, feeding, migration behaviours, life expectancy) and spatial distribution. 	<p>Chapter 1 Chapter 2 Chapter 4 Chapter 14 Chapter 26</p>
1.1	Describe the background of the proposal including the title of the action, the full name and postal address of the designated proponent and a clear outline of the objective of the action.	<p>Chapter 1 Section 2.3 Section 2.4 See inside cover for postal address</p>
1.2	Describe how the proposal relates to any other actions under the EPBC Act (that the proponent is reasonably aware) that have been, or are being, taken or that have been approved in the region.	<p>Section 14.4.1 Appendix K3</p>

Guideline number	Guideline text	Draft EIS cross-reference
1.3	Describe the environment and management practices of the proposal site and the surrounding areas and other areas that may be affected by the proposal.	Chapter 9 Chapter 10 Chapter 11 Chapter 12 Chapter 13 Chapter 14 Chapter 15 Chapter 16 Chapter 17 Chapter 18 Chapter 19 Chapter 20 Chapter 21 Chapter 22 Chapter 23 Chapter 24 Chapter 26 Appendix U1 Appendix U2
1.4	Describe the scope, timing/effort (survey season/s) and methodology for studies or surveys used to provide information on the above listed species/communities/habitat at the site (and in areas that may be impacted by the proposal). Include details of: <ul style="list-style-type: none"> • best practice survey guidelines applied; and • how they are consistent with (or a justification for divergence from) published Australian Government guidelines and policy statements. 	Section 12.3 Section 13.3 Section 14.2
1.5	Describe in detail all components of the proposal (including the background to the proposal, construction, operation and, if relevant, the decommissioning). Include the precise location of all works to be undertaken (including associated offsite works and infrastructure), structures to be built or elements of the proposal that may have impacts in the above listed MNES. Include details on how the works are to be undertaken and design parameters for those aspects of the structures or elements the proposal that may have relevant impacts	Chapter 1 Chapter 4 Section 14.4

Guideline number	Guideline text	Draft EIS cross-reference
1.6	<p>Describe all the relevant impacts the proposal may have on the above listed MNES, include impacts during the construction (e.g. noise, habitat clearing or modification), operation (e.g. potential vehicle/vessel strike during road/shipping transport of timber product) and (if relevant) decommissioning phases of the project. Include information on:</p> <ul style="list-style-type: none"> • the nature and extent of the likely direct, indirect and consequential impacts (short-term and long-term) (refer to the Significant Impact Guidelines 1.1 – Matters of National Environmental Significance, Commonwealth of Australia, 2013) • whether any relevant impacts are likely to be unknown, unpredictable or irreversible • technical data and/or other information used to make a detailed assessment of the relevant impacts • how Indigenous stakeholders views of the proposals impacts to biodiversity and cultural heritage have been sought and considered. 	<p>Chapter 12 Chapter 13 Chapter 14 Chapter 21 Section 7.3 Section 7.6 Section 14.4 Table 14-2 Table 14-3 Table 14-4 Table 14-5 Table 14-6 Table 14-7 Table 14-8 Table 14-9 Table 14-10 Table 14-12 Appendix I2 Appendix I4 Appendix J2 Appendix J3 Appendix K1 Appendix K2 Appendix K3 Appendix K6</p>
1.7	<p>Identify and address cumulative impacts, where potential impacts are in addition to existing impacts of other activities (including known potential future expansions or developments by the proponent and other proponents in the region and vicinity).</p>	<p>Section 14.4.1 Appendix K3</p>
1.8	<p>Provide information (substantiated, specific and detailed descriptions) on proposed avoidance and mitigation measures, based upon best available practices, to avoid and manage the relevant impacts of the proposal on the above listed MNES. Include a description of the outcomes that the avoidance and mitigation measures will achieve and an assessment of the expected or predicted effectiveness of the avoidance and mitigation measures (including the scale and intensity of impacts of the proposal and the on-ground benefits to be gained through each of these measures).</p>	<p>Section 14.4 Appendix K3</p>

Guideline number	Guideline text	Draft EIS cross-reference
1.9	Provide a consolidated list of mitigation measures proposed to be undertaken to prevent, minimise or compensate for the relevant impacts of the action, including mitigation measures proposed to be undertaken by state governments, local governments or the proponent.	Appendix K5 Appendix U1 Appendix U2 Responsibilities for proposed mitigation measures to be confirmed if proposal approved.
1.10	Provide information of any statutory or policy basis for, the mitigation measures.	Appendix K3
1.11	Provide a detailed outline of a plan for the continuing management, mitigation and monitoring of the impacts on the above listed MNES. Include provisions for any independent environmental auditing. Include the name of the agency responsible for endorsing or approving each mitigation measure of monitoring program.	Appendix K5 Appendix U1 Appendix U2
1.12	Provide details of the likely residual impacts on the above listed MNES that are likely to occur after the proposed measures to avoid and mitigate all impacts are taken into account. Include reasons as to why the avoidance or mitigation of impacts is not reasonably achieved and identify the significant residual impacts on the above listed MNES. If residual impacts are likely, include details of the proposed offset package to be implemented and an analysis of how the proposed offset meets the requirements of the <i>Environment Protection and Biodiversity Conservation Act 1999</i> Environmental Offsets Policy (2012).	Section 14.4.3 Section 14.4.4 Section 14.4.5 Section 14.4.6 Section 14.5 Appendix K6
1.13	Describe how the proposal is consistent with any relevant EPBC Act guidelines, recovery plans, management plans, threat abatement plans, Marine Bioregional Plans and conservation advice for the above listed MNES (species and communities).	Section 14.4.3 Section 14.4.4 Section 14.4.5 Section 14.4.6 Appendix K3
1.14	Provide information on feasible alternatives to the proposal including: <ul style="list-style-type: none"> • taking no action • a comparative description of the impacts of each alternative on the above listed MNES • sufficient detail to make clear why any alternative is preferred to another (short, medium and long-term advantages and dis-advantages of each alternative are to be discussed). 	Section 2.6 Section 3.6
1.15	Provide details on the current status of the proposal and the consequences of not proceeding with the proposal.	Chapter 2 Section 2.6

Guideline number	Guideline text	Draft EIS cross-reference
1.16	Describe any consultation about the action, including any consultation that has already taken place, proposed consultation about relevant impacts of the action and – if there has been consultation about the proposed action – any documented response to, or result of, the consultation. Identify any affected parties, including a statement mentioning any communities that may be affected and describing their views.	Chapter 7
1.17	Provide an overall conclusion as to the environmental acceptability of the proposal on each of the above listed MNES, including: <ul style="list-style-type: none"> • discussion on the considerations with the requirements of the EPBC Act (including the objects of the Act, the principles of ecological sustainable development and the precautionary principle) • reasons justifying undertaking the proposal in the manner proposed, including the acceptability of the avoidance and mitigation measures; and if relevant, a discussion of residual impacts and any offsets and compensatory measures proposed or required, and the relative degree of acceptability. Include the reasons why residual impacts are not avoidable. 	Section 14.4 Section 14.5 Section 14.6 Section 14.7 Appendix K3 Appendix K6
1.18	Provide further detail on the social and economic costs and/or benefits of undertaking the proposed action, including basis for any estimations of costs and/or benefits, potential employment opportunities expected to be generated at each phase of the proposed action and details of any public and stakeholder consultation activities, including the outcomes.	Section 4.6.4 Section 7.6 Section 20.6.1 Section 20.6.2
1.19	Provide an environmental record of the person(s) proposing to take the action. Include details of any proceedings under a Commonwealth, State or Territory law for the protection of the environment of the conservation and sustainable use of natural resources against: the person proposing to take the action; and if the person proposing to take the action is a corporation – details of the corporation’s environmental policy and planning framework.	Chapter 26
Guideline 2 Coast and Marine	As the proposed development is within, and directly adjacent to, the coastal waters of Smith Bay, there will be direct impacts to this particular environment. The ecology of the area must be investigated and understood to accurately identify the impacts from the construction and operation of the development, and to determine appropriate measures to manage, offset or mitigate these impacts. Although the area is not within a Marine Park (State), the construction and operation of the proposal, including the passageway of ships to and from the port and wharf may still have impacts on the neighbouring Marine Parks (i.e. Encounter and Southern Spencer Gulf Marine Parks).	Chapter 4 Chapter 9 Chapter 10 Chapter 11 Chapter 12 Chapter 16 Chapter 18
2.1	Provide baseline information on, and undertake a comprehensive risk analysis that identifies, the key ecological assets of the site (including, but not limited to, any communities and species of conservation significance, migratory species, seagrasses, macro algae and other reef habitat).	Section 12.4.1 Section 12.4.2 Section 12.4.3 Section 12.5.5 Appendix I1

Guideline number	Guideline text	Draft EIS cross-reference
2.2	Identify how the major aspects of construction and operation might impact upon the identified ecological assets (as identified from 2.1 above). Outline mitigation strategies associated with the process and identify any residual risks that will need to be managed.	Chapter 14 Section 12.5 Appendix I2 Appendix I4 Appendix I5
2.3	Describe the impacts of the port and wharf construction (including causeway, associated berthing pocket, rock wall, retaining structures and mooring dolphins) on the foreshore, intertidal, seabed and benthic communities (especially any nursery/spawning areas). Describe measures that will be undertaken to mitigate these impacts.	Section 12.5 Appendix I4 Appendix I5
2.4	Describe coastal engineering requirements for the location, orientation and type of causeway and wharf structures.	Section 4.4
2.5	Outline the materials that will be used to construct the causeway, including any treatment that the materials may have been subject to, prior to immersion in the water.	Section 4.4.4 Section 4.4.5
2.6	Describe the impacts of drilling or screw piling activities on marine communities, in particular turbidity, disturbance (including of any harmful soil types or contaminants), vibration and underwater noise on vulnerable or sensitive receptors and any mitigating measures that may be used.	Section 12.5.4 Section 12.5.5 Section 12.5.6 Section 18.4 Appendix I2 Appendix I4 Appendix N

Guideline number	Guideline text	Draft EIS cross-reference
2.7	Describe any dredging activity that will be undertaken during the construction phase. Outline impacts that dredging may have on sediment loads and the neighbouring commercial aquaculture operation. Detail measures for managing these impacts, including management of dredge spoil, noting that all dredging should be undertaken in accordance with the Environment Protection Authority's Dredging and Earthworks Drainage Guideline – June 2010.	Section 4.4.4 Section 4.5.2 Section 9.5.1 Section 9.5.3 Section 9.5.4 Section 9.5.5 Section 11.5.1 Section 11.5.2 Section 12.5.4 Section 16.5.1 Section 16.5.2 Appendix H1 Appendix H2 (Part C) Appendix F2 Appendix F3 Appendix U1
2.8	Describe the design and operational measures to protect water quality and prevent stormwater and other run-off from the site, and in particular harmful contaminants, entering the coastal and marine environment, during both construction and operation.	Section 4.4.4 Section 4.4.6 Section 4.5.2 Section 16.5.1 Section 16.5.2 Appendix C3 Appendix U1 Appendix U2
2.9	Describe the contaminants and toxicants that may accumulate on the property and the risks during stormwater events (where not managed) to the adjacent aquatic environments and commercial industries (e.g. fisheries and aquaculture) that rely on those environments.	Section 11.5.4 Section 16.5.2 Appendix H
2.10	Detail measures for managing solid waste, black water and grey water from ships.	Section 4.8.7 Section 9.5.7 Section 9.6

Guideline number	Guideline text	Draft EIS cross-reference
2.11	Describe how ship loading operations will minimise incidental timber spillage and dust emissions (point source and fugitive) during loading operations to avoid causing harm to marine and coastal flora and/or fauna species, including migratory species.	Section 4.4.6 Section 4.6.4 Section 17.5.1 Section 17.5.4 Section 17.5.5 Appendix U2
2.12	Describe the impact of any incidental timber spillage and dust emissions (point source and fugitive) during ship loading operations on the marine environment, in particular on water quality and marine and coastal flora and/or fauna species, including migratory species. Outline the measures that will be taken in the event of a spillage.	Section 9.5.7 Section 9.6 Section 11.5.4 Section 11.5.5 Section 12.5.8 Section 17.5.5 Appendix U2
2.13	Describe the impact of dust emissions on the nearby aquaculture industry and identify mitigating measures that will be used to manage these impacts.	Chapter 17 Section 11.5.5 Section 17.5.4 Appendix H1 Appendix H2 (Part C) Appendix U2
2.14	Describe the potential impacts of increased shipping traffic and activities in Smith Bay from offshore anchoring, transshipment or pilotage (especially on marine fauna, water quality, recreational activities and amenity), including effects on commercial aquaculture activities in the region.	Chapter 14 Section 9.5.6 Section 9.5.7 Section 9.5.8 Section 9.6 Section 11.5.1 Section 12.5.2 Section 12.5.4 Appendix F3 Appendix H1 Appendix I2

Guideline number	Guideline text	Draft EIS cross-reference
2.15	Describe the potential impacts that construction and operation, in particular the shipping traffic and activities, may have on the neighbouring Marine Parks (State).	Section 12.5.10
2.16	Outline measures to protect water quality and the marine environment from shipping activities, especially turbulence during docking and manoeuvring. Include turbidity impacts on any identified shell fish or other filter feeders and on macro algal habitats in the region.	Section 9.5.6 Section 9.5.7 Section 9.5.8 Section 12.5.4 Appendix U2 Measures not required.
2.17	Detail measures to protect foreshore areas during and after construction, including potential marine and terrestrial protection areas and associated buffers.	Chapter 11 Section 10.5.1 Section 10.5.2 Section 10.5.6 Section 10.5.7 Appendix G Appendix U1 Appendix U2
2.18	Describe, and provide baseline information on, the existing seabed profile, bathymetry, sedimentary profiles (including particle sizes), sand movement, water flow and tidal movement patterns through and around the proposed causeway, rock wall and wharf structure area.	Section 10.4.1 Section 10.4.2 Section 10.4.3 Section 10.4.6 Section 10.5.1 Section 10.5.2 Appendix F1 Appendix G

Guideline number	Guideline text	Draft EIS cross-reference
2.19	Identify any possible changes to the seabed, bathymetry, sedimentary profiles (including particle sizes), and sand movement water flow and tidal movement patterns as a result of the development during both the construction and operational phases (include information on potential pooling of water upstream from the proposed causeway). Identify the impacts this may have on sensitive marine flora and fauna (including seagrasses, macro algae and other reef habitat), and commercial aquaculture activities in the region, and outline mitigation strategies.	Section 10.5.1 Section 10.5.2 Section 10.5.3 Section 10.5.4 Section 10.5.5 Section 10.5.6 Section 10.5.7 Section 11.5.1 Section 11.5.2 Section 11.5.4 Section 11.5.5 Section 12.5.4 Appendix G Appendix H1
2.20	Identify the risks from the exposure of fine sediments or clays that would impact adversely on water quality (turbidity and light penetration) and contribute to the production of sediment plumes in the region during both construction and operation phases. Outline the impacts this may have on commercial aquaculture activities in the region.	Section 9.5.1 Section 9.5.2 Section 9.5.3 Section 9.5.4 Section 10.5.6 Section 11.5.1 Section 11.5.2 Section 11.5.3 Section 11.5.4 Section 11.5.5 Section 12.5.4 Appendix F2 Appendix F3 Appendix G Appendix H1 Appendix H2

Guideline number	Guideline text	Draft EIS cross-reference
2.21	Describe, and provide baseline information on, the level of oceanic connectivity between the proposed development site and the intake areas used by commercial aquaculture ventures in the region (include observed information from hydrodynamic and coastal process modelling undertaken for a minimum of 6 months) and identify the impacts that the construction and use (including ship movements) of the proposed in-sea components of the proposal will have on this connectivity.	Section 9.5.1 Section 9.5.2 Section 9.5.8 Section 11.5.1 Section 11.5.2 Section 11.5.3 Appendix F2 Appendix F3 Appendix G Appendix H1
2.22	In addition to the above, outline all other potential impacts on the nearby commercial aquaculture ventures, their likelihood and severity, and identify mitigation measures that will be used and their effectiveness (include efficiency reports on silt curtains and sand filters if proposed).	Section 11.5 Appendix H1 Appendix H2
Guideline 3 Biosecurity	Kangaroo Island's remoteness and isolation has created a unique environment, free from many of the pests and diseases found on mainland Australia. The development of a port will increase the potential for the introduction of pest and nuisance species (both terrestrial and marine) which are a major threat to, and can have devastating impacts on, the Island's environment and agricultural industries. Details on strategies to prevent and manage potential pest species is required to ensure the proposal will not impact upon the Island's biosecurity.	Chapter 4 Chapter 15
3.1	Provide information on the proposed management techniques for incoming ship ballast and bilge waters.	Section 4.6.2 Section 4.6.3 Section 15.5.4 Appendix D2 Appendix U2
3.2	Describe how the introduction of exotic marine organisms or notifiable pathogens (disease) will be avoided or managed.	Section 15.5.4 Section 15.5.5 Appendix D2 Appendix U2
3.3	Outline strategies to monitor for the early detection of marine exotic organisms at or near the site, especially on and around the causeway and wharf.	Section 15.5.5 Appendix U2
3.4	Outline strategies to prevent the introduction of exotic marine organisms and disease (including from incoming ship ballast and bilge waters or biofoulings).	Section 15.5.4 Section 15.5.5 Appendix D2

Guideline number	Guideline text	Draft EIS cross-reference
3.5	Detail the response procedure that will be followed in the event of a new exotic organism being detected.	Section 15.5.4 Section 15.5.5 Appendix D2 Appendix U2
3.6	Outline measures to ensure consistency with the Australian Ballast Water Management Requirements and national management < http://marinepests.gov.au/marine_pests/publications/Pages/default.aspx >).	Appendix D2 Appendix U2
3.7	Outline strategies to monitor and prevent the introduction of vermin and other nuisance species that can be attracted to port facilities, and measures to manage and monitor such species.	Chapter 12 Section 15.5.2 Appendix U2
3.8	Outline strategies to prevent, monitor and manage invasive weed species (including terrestrial, coastal and marine species).	Chapter 12 Chapter 26 Section 15.5.2 Section 15.5.3 Section 15.5.4 Section 15.5.5 Appendix U1 Appendix U2
3.9	Outline strategies to monitor, control and manage biofouling of wetted surfaces.	Section 4.6.3 Section 4.7 Section 15.5.3 Section 15.5.4 Appendix U2
3.10	Describe how the proposal is consistent with the Biosecurity Strategy for Kangaroo Island 2016-2021.	Section 15.6
Guideline 4 Economy	<p>The proposal is likely to generate jobs on Kangaroo Island, directly and indirectly, during both the construction and operational phases of the proposed development. Given the proximity to the nearby existing aquaculture operation, consideration needs to be given to how the proposed development and use of the port and wharf may impact on the operation of this established business, and how any such impacts will be managed.</p> <p>As the facility is proposed to be multi-user facility, this may have potential positive impacts on other components of the Kangaroo Island economy.</p>	Chapter 2 Chapter 20

Guideline number	Guideline text	Draft EIS cross-reference
4.1	Provide a full economic analysis of the proposal including the long term economic viability and efficiency of the operational aspects of the development, incorporating the cost-benefit (risk return) analysis.	Section 20.4 Section 20.6 Section 20.7 Appendix O1 Appendix O2 Appendix O3
4.2	Identify employment and investment opportunities, including the 'multiplier effect' for Kangaroo Island and South Australia. Include an analysis of existing supply chain and prospective suppliers, as well as any gaps in the supply chain on the Island.	Section 20.6
4.3	Identify how the proposal will promote Kangaroo Island, grow regional prosperity and not be in conflict with "Brand Kangaroo Island".	Section 20.6.5
4.4	Provide information on local and indigenous employment and training opportunities associated with the proposal.	Section 20.6.4
4.5	Outline the skill level requirements of the 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.	Section 20.6.4
4.6	Identify and analyse the economic benefits for further investment in the area arising from the proposal for other potential users of the wharf and port facilities (e.g. agriculture, tourism). Include the anticipated demand and sustainability of each use and discussions had with the relevant sectors.	Section 20.6.5 Section 20.7
4.7	Provide information on the ability to use the wharf/port facility to be used as a base for tourist and/or cruise ships. Outline what other facilities would be required at the site for this purpose, and the capacity of the site to accommodate these facilities. Include details of discussions had with tourist and/or cruise industry operators in relation the likelihood and viability of using the proposed facilities for this purpose. Outline, where possible, the potential economic benefits of this to the Island.	Section 20.6.5
4.8	Identify the economic effect the construction and on-going workforce would have regionally.	Section 20.6
4.9	Identify the potential economic impacts on the existing aquaculture operation in the vicinity of the proposed development. Include the multiplier effects on the broader Kangaroo Island economy and community as a result of these impacts.	Section 20.6.5
4.10	Identify the existing tourism, commercial and recreational fishing activities and facilities in the project area (and any adjacent spawning areas). Identify and evaluate the economic impacts the project will have on these existing activities and facilities, and outline methods to mitigate these impacts.	Section 20.6.5
4.11	Describe the impact on existing local and regional land and marine uses, including primary production, conservation and tourism operators. In relation to primary productions, include potential impacts on fences, water supply and stock watering points, movement of agricultural machinery and trucks and power requirements.	Section 20.6.5
4.12	Identify adequate separation distances (land and sea) from adjoining land and marine uses and the effects of access loss due to shipping traffic and anchorages.	Section 20.6.5

Guideline number	Guideline text	Draft EIS cross-reference
4.13	Describe the impacts (economic, social & environmental) of use of the upgraded public boat ramp. Outline potential users, the impacts expected from increased public access to and use of Smith Bay (including on the water quality in relation to the existing aquaculture operation in the vicinity). Describe measures that will be undertaken to mitigate these impacts.	N/A with public boat ramp removed from proposal.
4.14	Outline the expected consequences of not proceeding with the development (i.e. 'do nothing' option).	Section 2.6
Guideline 5 Air Quality	It is expected that air pollution (in particular dust) will occur during the construction phase as a result of the use of earthmoving equipment and the physical construction of the structures. Post construction, the movement of vehicles to and from the proposed site, stockpiling and ship loading operations onsite at Smith Bay will generate air pollution (in particular dust). There exists a sensitive receptor (aquaculture/abalone farm) immediately adjacent to the site that is critically sensitive to dust.	Chapter 11 Chapter 17
5.1	Provide an air quality impact assessment for all potential sources of dust/particles and gaseous pollutants associated with the construction and ongoing operation of the proposed port, which includes modelling undertaken in accordance with the Environment Protection (Air Quality) Policy 2016 and the Environment Protection Authority's Ambient Air Quality Assessment 2016 guideline.	Chapter 17 Section 11.5.4 Section 17.5.5 Appendix M
5.2	Outline the impacts of dust and/or particle generation on the existing commercial operations and any other identified nearby sensitive receivers in the vicinity of the proposed development, in particular the existing abalone farm.	Section 11.5.5 Section 17.5.3 Appendix H1 Appendix H2 (Part C)
5.3	Describe how all potential sources of air pollution (especially dust and particulates from transport, unloading, storage and ship loading) will be controlled and monitored, including measures for their reduction or elimination.	Chapter 26 Section 17.4.4 Appendix U1 Appendix U2
Guideline 6 Alternative Locations	To enable a thorough assessment, and a comparative basis of the suitability of the location of the proposal, information should be included on alternative locations that have been considered for the development. This information should include investigations that have been undertaken and reasoning behind why the proponent has deemed them less suitable than the proposed location.	Chapter 3
6.1	Provide information on alternative locations for the proposal that have been considered, with specific regard for: <ul style="list-style-type: none"> • sites nominated for ports • sites where the proponent owns the adjacent land. 	Section 3.2 Section 3.3 Section 3.4 Section 3.5
6.2	Identify the operational benefits and constraints for each alternative location.	Section 3.3 Section 3.4 Section 3.5

Guideline number	Guideline text	Draft EIS cross-reference
6.3	Provide evidence and/or justification (social, economic, environmental) as to the potential suitability or unsuitability of each alternative location. Include information on the ability of these sites to accommodate multi –users.	Section 3.3 Section 3.4 Section 3.5
Guideline 7 Alternative Structures (in water)	The proposal includes the construction of a solid causeway that will extend approximately 200m into the ocean for the purpose of loading the timber products onto the ships at the attached floating berth. A solid causeway, as proposed, is likely to inhibit the natural water flow within Smith Bay, and potentially lead to pooling of water upstream. The nature and level of impacts of the proposed causeway on the marine environment (including water temperature), and the ecosystems, recreational and commercial operations reliant upon the waters of Smith Bay, have not been detailed. Merits of alternative in water structures (including a jetty) should be investigated to determine the most appropriate structure for the area and operation.	Chapter 3
7.1	Identify alternative structures that could be used for the intended purpose. Include a description of the coastal engineering requirements for each structure.	Section 3.7
7.2	Evaluate the merits and the impacts (environmental, economic and social) of each alternative structure. Include information on the long-term operational benefits and costs of each alternative structure.	Section 3.7
7.3	Outline the measures that could be undertaken to mitigate the impacts/cost identified for each alternative structure.	Section 3.7
Guideline 8 Community	The proposal is likely to lead to a change in The Kangaroo Island population (short term and long term) both during the construction and operational phases of the proposed development. This will lead to a change in demand for various services, infrastructure and accommodation needs on the Island at various times.	Chapter 4 Chapter 7 Chapter 20 Chapter 22 Chapter 23
8.1	Outline the likely size and source of the construction workforce and associated employees, and how accommodation requirements for this workforce will be met.	Chapter 20 Section 4.8.4 Section 22.5.1 Section 22.5.3 Section 22.6.2
8.2	Provide information on the time of year that construction is likely to occur and identify the impact this may have on tourist accommodation on the Island, especially if construction will occur during the tourist season.	Section 4.1.4 Section 22.5.1 Section 22.5.3 Section 22.6.2
8.3	Describe the expected effects of the change in population on community infrastructure and services (including recreation, health, education, child care and other local human services) and how these are proposed to be managed.	Section 22.5.4

Guideline number	Guideline text	Draft EIS cross-reference
8.4	Outline the expected impact on the permanent and semi-permanent population of Kangaroo Island during both the construction and operation phases of the project and identify housing needs for the expected increased population. This should include an analysis of existing short and medium term rentals for construction employees, as well as affordable housing options for longer term employees. Include details of discussions had with housing industry/suppliers, Kangaroo Island Council and/or Renewal SA in relation to this issue.	Chapter 7 Section 7.6 Section 22.5.3 Section 22.6.2
8.5	Provide information on the potential positive and negative social impacts that could result from a change in population as a result of the proposed development and how this is proposed to be managed.	Section 22.5
8.6	Describe the impact on the amenity and lifestyle of existing Kangaroo Island residents who use the area for recreation purposes (include information on access to the coast in the vicinity of the port development).	Chapter 23 Section 4.5.1 Section 4.6.8 Section 22.5.4
8.7	Describe the consultation strategy adopted in the preparation of the EIS and identify the groups and individuals from whom comments will be sought to make written submissions in relation to the proposal.	Chapter 7 Section 7.3.1 Section 7.3.2 Section 7.6 Section 22.4.6
Guideline 9 Native Vegetation and Fauna (Terrestrial and Marine)	The proposed site is in an area that is mostly cleared of native vegetation, however patches of vegetation remain, and although fragmented these may provide critical habitat for fauna. Investigation into vegetation on surrounding properties and within the adjacent marine environment should also be undertaken to determine if the proposed development and associated activities will impact upon these habitat areas and the species, including migratory species, that may be reliant upon them.	Chapter 11 Chapter 12 Chapter 13
9.1	Quantify and detail the extent, condition and significance of native vegetation (individual species and communities) that currently exist on site, and within the immediately adjacent sites, including the coastal and marine environment (in particular seagrasses, macro algae and other reef habitat).	Section 12.4.1 Section 12.4.2 Section 12.5.4 Section 13.4.1 Appendix I1 Appendix J2
9.2	Provide details of any existing Heritage Agreements, if any, to conserve native vegetation on and/or adjacent to the site.	Section 13.2
9.3	Quantify and detail the extent, condition and significance of native vegetation (individual species and communities) that may need to be cleared or disturbed during construction and the ability of communities or individual species to recover, regenerate or be rehabilitated.	Section 12.5.4 Section 13.5.1 Appendix J2

Guideline number	Guideline text	Draft EIS cross-reference
9.4	Describe measures to deliver any significant environmental benefit that is required by the <i>Native Vegetation Act 1991</i> . Identify measures to minimise and mitigate vegetation clearance, including incorporating any remnant stands in the layout design, and to compensate for any loss of native vegetation and habitat.	Section 12.5.4 Section 13.5.2 Section 13.6.3
9.5	Identify impact avoidance, minimisation and mitigation measures and detail their effectiveness.	Chapter 15 Section 11.5.5 Section 11.5.6 Section 12.5.4 Section 13.5.2 Appendix I4 Appendix I5 Appendix U1
9.6	Describe the use of amenity/landscape plantings and potential broad scale revegetation, including the opportunities for the use of locally endemic species.	Chapter 14 Section 12.4.1 Section 12.4.2 Section 12.4.3 Section 13.5.2 Appendix I1 Appendix I2 Appendix I3 Appendix J1 Appendix J2 Appendix K2
9.7	Quantify and detail the extent, condition and significance of native fauna (individual species and communities) that currently exist on site, and within the immediately adjacent sites, including the coastal and marine environment.	Section 12.4.1 Section 12.4.2 Section 12.4.3 Section 12.4.4 Section 13.4.2

Guideline number	Guideline text	Draft EIS cross-reference
9.8	Quantify and detail the extent, condition and significance of potential native fauna habitat loss or disturbance during the construction and operation phases (both on and around the site) and the ability of communities and individual species to recover, especially for resident or migratory shore birds and threatened or significant species (including those listed under the EPBC Act and the South Australian <i>National Parks & Wildlife Act 1972</i>).	Chapter 9 Chapter 14 Chapter 15 Chapter 18 Section 12.1 Section 12.5 Section 12.6 Section 13.5.3 Section 18.5.5 Appendix I2 Appendix I5 Appendix N
9.9	Describe the measures that will be taken to address displaced native fauna (if any).	No specific fauna will be displaced. Chapter 14 Section 12.5 Section 13.5.3 Section 18.5.5 Appendix I2 Appendix I5 Appendix N
9.10	Detail the potential impact, including cumulative impacts, on marine fauna, both during construction and operation, including ecologically and economically important species (e.g. fisheries).	Section 12.1 Section 12.5 Section 12.5.11 Section 12.6 Appendix I2 Appendix I3 Appendix I4 Appendix I5

Guideline number	Guideline text	Draft EIS cross-reference
9.11	Detail appropriate buffer distances that would be required between the proposed development and threatened species, including feeding areas, nesting sites and roosting sites.	Buffer areas not required. Section 12.5.2 Section 12.5.3 Section 12.5.6 Section 13.5.3 Section 18.5.5 Appendix N
9.12	Identify all potential sources of noise emissions, vibration and light pollution from the construction and operation of the proposed development. Describe their impacts on native fauna, including nocturnal species, and how these impacts will be managed.	Chapter 18 Section 12.5.6 Section 13.5.3 Section 13.6.2 Appendix N
9.13	Identify impact avoidance, minimisation and mitigation measures and detail their effectiveness.	Chapter 15 Section 9.5 Section 10.5 Section 11.5 Section 12.5 Section 13.5.3 Section 13.6 Section 18.5.5 Appendix I2 Appendix I5 Appendix N
Guideline 10 Traffic and Transport	The proposed port, and associated infrastructure, will generate traffic, in particular for the export of timber. The proponent estimates that there will be approximately 14 shipments of harvested timber per year from KIPT operated land, and that the wharf will be used 50-75 days per annum in total for all Kangaroo Island timber exports (including from other timber operators on the Island). As it is proposed to be a multi-user wharf, traffic will also be generated from a range of potential other uses including, but not limited to, agricultural exports and tourist and/or cruise ships.	Chapter 21
10.1	Identify the traffic impacts on the local and arterial road network, in particular North Coast Road, during both construction and operation, include an assessment of impacts during the tourist season and on neighbouring properties.	Section 21.5.4
10.2	Undertake a full Traffic Impact Assessment, taking into consideration existing traffic data, accident statistics and predicted traffic volumes (including proposed vehicle types, number/frequencies and traffic peaks).	Chapter 21

Guideline number	Guideline text	Draft EIS cross-reference
10.3	Outline proposed traffic mitigation and management measures for construction and operational phases, particularly the impact on local and arterial roads in terms of road safety, traffic routes and hours of activity.	Section 21.5.5
10.4	Undertake an assessment of expected marine traffic volumes to and from the wharf, including expected boat/ship movements, timing and patterns. Describe marine traffic impacts associated with these movements (including to the existing tourism operators and the ferry services to/from the Island), and measures that will be undertaken to mitigate these impacts.	Section 21.6.3 Section 21.6.4 Section 21.6.5
10.5	Detail the potential increase in public access to Smith Bay. Describe marine traffic impacts associated with increased public access to and use of the Bay and outline safety measures that will be implemented to ensure public safety.	Section 21.6.3 Section 21.6.4 Section 21.6.5
10.6	Identify traffic impacts that may result from the use of the facility from other non-forestry users (e.g. agriculture, tourist and/or cruise ships).	Chapter 4 Section 21.5.4 Future agricultural (and other) users of the facility would seek their own approvals. Cruise ships no longer forms part of the proposal.
10.7	Describe access and parking arrangements for all vehicles during construction, including any approvals and specific access requirements for over-dimensional vehicles.	Section 21.3 Section 21.5.1
10.8	Describe car parking provisions for staff and visitors, including how any potential future expansion that may be required as a result of multi-users of the port and facilities, will be accommodated and managed.	Section 21.3 Section 21.5.1 Other future users of the facility would seek their own approvals for additional car parking provisions should it be required.
Guideline 11 Water	Water availability and use is a critical issue on Kangaroo Island and is fundamental to the livelihood and sustainability of the community and local industry. SA Water supplies reticulated water to some areas on the island, however Kangaroo Island is heavily reliant on the capture and reuse of surface water. The proponent should indicate how it is intended to source, reuse and treat water for, and at, the proposed site, to minimise impact on existing water resources and quality.	Chapter 4 Chapter 16
11.1	Identify the sources of water, and estimated volumes required, to provide an adequate water supply for the proposed development. Include information on potable and other water requirements.	Section 4.8.2

Guideline number	Guideline text	Draft EIS cross-reference
11.2	Describe the approach to water sustainability, including ways in which water use can be minimised or supplemented (including the use of rainwater) and opportunities for reducing water use and for recycling water, particularly stormwater and wastewater.	Section 4.8.2 Section 4.8.6
11.3	Describe water sensitive urban design measures and uses of wastewater that will be adopted, include a description of how recycled water will be treated as part of any water sustainability measures.	Section 4.8.2
11.4	Outline the measures proposed to manage stormwater runoff from hard surfaces which are not being used for harvesting water supply, especially access roads. Include measures to: <ul style="list-style-type: none"> • treat the stormwater • ensure that pre-development volumes will be maintained • ensure the removal of any toxicants and nutrients; and • prevent increases in sediments with associated turbidity in near shore environments. 	Section 4.4.6 Section 16.5.1 Section 16.5.2 Appendix C3
11.5	Outline the measures proposed to manage stormwater runoff/leachate from the timber product stockpile area. Include measures to: <ul style="list-style-type: none"> • capture and contain leachate • ensure the removal of any toxicants, nutrients, sediment and biochemical oxygen demand (BOD) • measures to prevent leachate mobilisation to groundwater and the near shore environments. 	Section 4.4.6 Section 16.5.2 Appendix C3
11.6	Describe the known existing groundwater and surface water related environmental conditions, including consideration of any existing site contamination.	Section 16.4.3 Section 16.4.4 Section 16.4.5
11.7	Detail the measures to be taken to manage and monitor the quality of identified groundwater or surface water resources. Identify impact avoidance, minimisation and mitigation measures and their effectiveness (for any polluting activities).	Section 16.5.1 Section 16.5.2 Appendix C3 Appendix U1 Appendix U2
11.8	Describe any potential changes to hydrology as a result of the proposed development.	Section 16.5.2
Guideline 12 Noise and Light	It is expected that both underwater and terrestrial noise pollution will occur during the construction phase as a result of securing the mooring and retaining structures to the seabed, the use of earthmoving equipment and physical construction of the structures. Post construction, the movement of vehicles to and from the proposed site, stockpiling and ship-loading operations onsite at Smith Bay will also generate noise. If construction and/or operations are to occur at night there will also be light pollution impacts on the surrounding area.	Chapter 18
12.1	Detail the expected levels of environmental noise associated with the construction and operation of the development, identifying all potential noise sources, and describe the impact upon the immediate and wider locality (include sensitive receivers).	Section 18.2 Section 18.3
12.2	Identify if the predicted noise from ongoing operational sources associated with the project will meet the noise goals in the Environment Protection (Noise) Policy 2007 (Noise Policy) at the nearest noise sensitive receivers.	Section 18.3.4

Guideline number	Guideline text	Draft EIS cross-reference
12.3	Detail how noise emissions will be reduced and contained (such as via building design/materials, noise barriers and buffers, and/or implementing operational procedures) to meet the requirements of the Noise Policy and minimise impacts upon the immediate and wider locality, including the effects from increased transport.	Section 18.3.4
12.4	Detail how construction noise will meet the mandatory construction noise requirements of Part 6, Division 1 of the Noise Policy.	Section 18.3.4
12.5	Detail what reasonable and practicable measures will be taken pursuant to Clause 23(1)(c) of the Noise Policy to minimise construction noise.	Section 18.3.4
12.6	Identify the sources and expected levels of light pollution associated with the construction and operation of the development. Describe the impact upon the immediate and wider locality (including sensitive receivers), and outline mitigation measures.	Section 18.5
Guideline 13 Climate Change and Sustainability	Climate change is of State, National and global importance. This proposal includes elements adjacent to, and within, the coast and seabed. Measures need to be taken to both protect the proposed infrastructure in the longer term from the impacts of a changing climate and reduce any greenhouse gas emissions associated with its construction and use.	Chapter 19
13.1	Outline the potential effects of climate change on the proposed development (including predicted sea level rise as per Coast Protection Board allowances) from a risk management perspective, including adaptive management strategies.	Section 19.3 Section 19.4.4
13.2	Identify strategies to protect the causeway and wharf structures from extreme weather events, including a 1 in 50 year event. Include mitigation strategies should the structure not withstand such an event.	Section 19.4.4
13.3	Describe measures 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 identify barriers to implementation.	Section 19.4
Guideline 14 Risk and Hazard	The Kangaroo Island Development Plan, and the South Australian Planning Strategy promote development, including infrastructure, to be located away from areas that are vulnerable to the risk of hazards for both the protection of human health and the environment. Given the location of the proposed development, the following hazards include, but are not limited to: spills (including oil), flooding, fire (in particular heavy vehicle, timber yard and bushfire), site contamination, storage and movement of hazardous materials and landslip/coastal erosion. All risks and hazards need to be detailed and consideration given to how these risks and hazards will be avoided and managed.	Chapter 2 Chapter 4 Chapter 9 Chapter 16 Chapter 25
14.1	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, including for potential acid sulphate soils.	Section 16.3.4 Section 16.4 Appendix L1
14.2	Detail management measures that will be required during construction and operation to prevent site contamination.	Section 16.5.1 Appendix U1 Appendix U2
14.3	Outline fumigation/pesticide methods to be used, if any, on the timber exports, including type, location and method of application. Include information on the disposal of any chemicals that will be used on site. Describe strategies to minimise spray drift onto the adjacent abalone farm and potential for contaminated runoff into the marine environment.	Section 4.4.6

Guideline number	Guideline text	Draft EIS cross-reference
14.4	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).	Section 16.2.4 Section 16.5.3
14.5	Describe procedures and strategies to prevent, manage and mitigate ship oil spills, pollution (including toxins and contaminants from ships, such as antifoulant paints) or sewage leaks at both the port and within the Smith Bay area, having regard to the requirements of the South Australian <i>Marine Spill Contingency Plan and the Protection of Marine Waters (Prevention of Pollution from Ships) Act 1987</i> .	Section 4.5.6 Section 9.5.6 Section 9.5.7 Appendix U2
14.6	Detail measures and strategies for the management of hazardous, flammable or explosive materials, including risk contours.	Section 4.4.6 Section 4.6.6 Appendix U1 Appendix U2 Risk contours to be confirmed should proposal be approved.
14.7	Outline the proposal for bunding of hazardous materials.	Section 4.4.6 Section 4.6.6
14.8	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.	Section 16.5.1 Section 19.3 Section 19.4.4
14.9	For areas where liquids (other than rainwater) may be stored, describe measures (including bunding) to minimise the risk of environmental harm from spills and leaks.	Section 4.4.6 Section 4.5.2 Section 4.6.6
14.10	Identify the fire and bushfire risks at the site and to/from the site (e.g. from heavy vehicle movements) and detail fire measures to reduce risk. Include details of discussions had with SA CFS.	Section 7.6 Section 25.4 Appendix U4
14.11	Outline how timber pile separation will be undertaken in accordance with the South Australian Fire Services Built Environs Section Guideline No.13 - General Guidelines for Rubber Tyre Storage2.	Section 4.6.4 Section 4.6.6
14.12	Describe the emergency response plan in the event of an emergency, including evacuation measures.	Chapter 26 Section 4.6.6 Appendix U3

Guideline number	Guideline text	Draft EIS cross-reference
14.13	Describe strategies to ensure public safety during construction and operation.	Section 4.6.8 Section 21.3
14.14	Outline the associated risks should the proposal not go ahead, or if the proposal is not completed, and identify measures to mitigate these risks.	Section 2.6 Section 4.9.5
Guideline 15 Infrastructure Requirements	The construction and operation of a port and wharf, such as that proposed at Smith Bay, will require specific infrastructure, equipment and utility needs. These need to be identified and consideration given to how these requirements will be met, and how any increased demand will impact upon existing users.	Chapter 4 Chapter 21
15.1	Provide details of the proposed process, mechanisms, equipment and infrastructure that will be used to transport and load the timber products on site (include details of the estimated time that will be required to load each shipment). Outline the risks, benefits and constraints of the proposed process, mechanisms, equipment and infrastructure.	Section 4.4 Section 4.6
15.2	Outline the requirements for an adequate supply, and the location of distribution networks for: gas, electricity, waste, potable water, sewerage, stormwater and wastewater management, communications systems and local and other roads. Identify the impact this will have on existing users of these networks. Include information of discussions had with existing suppliers and service providers to/on the Island.	Section 4.8
15.3	Identify any infrastructure upgrade or augmentation that will be required to the existing distribution networks (as identified above) on the Island to support the development for the life of the project. Include information on how this will be managed and funded.	Section 4.6.1 Section 4.8
15.4	Detail the ability of existing infrastructure to manage waste (including hard waste and wastewater) and recycling streams that will result from the proposed development.	Section 4.8.7
15.5	Detail any road infrastructure improvements or upgrades that will be required to provide safe and efficient access to the port including any potential junction/intersections on the arterial road network. Include information of discussions had with the Kangaroo Island Council, and identify funding arrangements for any such improvements or upgrades.	Section 4.4.6 Section 4.6.1 Section 21.7
15.6	Outline opportunities to incorporate best practice infrastructure design.	Section 4.4.2
15.7	Detail potential emergency services requirements and arrangements. Include information of discussions had with existing emergency service providers on the Island.	Section 4.6.6 Section 7.7.3 Appendix U3
Guideline 16 Aboriginal and Other Heritage	Aboriginal and other heritage can include matters such as archaeological sites and Aboriginal remains, Aboriginal sites and objects of significance according to Aboriginal tradition, archaeology, anthropology or history, caves, mines, volcanic features, geological sites, fossils, historical buildings and monuments, relics of agricultural and industrial heritage, shipwrecks, lighthouses, whaling stations, wilderness and coastlines. Coastal areas in particular are prone to discovery of items of Aboriginal heritage and significance. All development should consider the impacts it may have upon Aboriginal and other heritage matters (land and marine).	Chapter 7 Chapter 24

Guideline number	Guideline text	Draft EIS cross-reference
16.1	<p>Describe the measures taken in consultation with the Department of State Development Aboriginal Affairs and Reconciliation (DSD-AAR) to identify the Aboriginal heritage in the project and surrounding area, including the outcomes of:</p> <ul style="list-style-type: none"> • a request for a search of the Register of Aboriginal Sites and Objects maintained by DSD-AAR • discussion with the relevant Traditional Owners, Aboriginal Organisations and interested Aboriginal parties • where applicable, an on ground archaeological and anthropological heritage survey as determined by an informed risk assessment of the likelihood of surface or sub-surface damage, disturbance or interference to Aboriginal sites, objects of Aboriginal remains. 	<p>Chapter 7 Section 24.3 Appendix S5</p>
16.2	<p>Provide information on how the proposal is not in conflict with the distinct beliefs or cultural practices of the relevant Traditional Owners, Aboriginal Organisations or interested Aboriginal parties.</p>	<p>Section 7.3</p>
16.3	<p>Describe the measures that will be put in place to manage the risk of damaging, disturbing or interfering with any heritage that has been identified by the consultation undertaken above and any plans to manage the discovery of any Aboriginal heritage during work activities.</p>	<p>Chapter 26 Section 24.5.1 Section 24.5.4 Appendix U1</p>
16.4	<p>Describe the measures taken in consultation with the Department of Environment, Water and Natural Resources (DEWNR), the South Australian Heritage Council, the Kangaroo Island Council and community groups to identify the non-indigenous cultural and other heritage in the project and surrounding area.</p>	<p>Section 24.3 Section 24.3.2 Section 24.3.3</p>
16.5	<p>Identify the impact on the heritage significance of any known non-indigenous heritage places on or in proximity to the project site that have been identified by the consultation undertaken above. Describe the measures that will be put in place to manage the risk of damaging, disturbing or interfering with any heritage that has been identified.</p>	<p>Chapter 26 Section 24.5.3 Section 24.5.4 Appendix S2 Appendix S3 Appendix S4 Appendix S6 Appendix S7 Appendix S8 Appendix U1</p>
16.6	<p>Identify measures to protect any historic shipwrecks within the port and coastal area during construction, in accordance with the <i>Historic Shipwrecks Act 1981</i>.</p>	<p>Chapter 26 Section 24.5.3 Section 24.5.4 Appendix U1</p>
Guideline 17 Geology and Soils	<p>The proposal will require the construction of structures on and/or adjacent to coastal geological formation, this may have impacts on those formations and their natural processes</p>	<p>Chapter 9 Chapter 10 Chapter 16</p>

Guideline number	Guideline text	Draft EIS cross-reference
17.1	Describe the underlying geology and the nature of the soils with special reference to coastal landforms.	Section 16.4.1 Section 16.4.2 Section 16.5.1
17.2	Outline the interaction between surface erosions processes and the proposed development.	Section 16.5.1 Appendix C3
17.3	Investigate, describe and illustrate the impact of the proposal on the landscape quality of the coastal environment and on any significant geological features.	Section 16.5.1
17.4	Identify measures to stabilise disturbed areas and areas susceptible to soil erosion.	Section 16.5.1 Appendix C3
17.5	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.	Section 9.1 Section 9.5.1 Section 9.5.3 Section 9.5.5 Section 9.6 Section 10.4.1 Section 10.5.6 Section 10.5.7 Section 10.6 Appendix F1 Appendix F2 Appendix F3 Appendix G
17.6	Identify the total 'in water' footprint of the proposed development (including all areas to be dredged and/or altered).	Section 4.4.1
Guideline 18 Built Form and Design	The development is proposed in an area that is a relatively remote coastal landscape that is natural in appearance. There are no other developments of this scale or type situated along this portion of coastline. The proposed development will establish a prominent visual feature along the coastline. Kangaroo Island is internationally known for its natural beauty and this must be considered in the built form and design of the proposed development.	Chapter 4 Chapter 23
18.1	Provide details of construction materials, colours and landscaping for all buildings and structures.	Section 4.4.1 Section 4.4.6 Appendix J1

Guideline number	Guideline text	Draft EIS cross-reference
18.2	Describe and illustrate the visual effect of the proposed development on the locality when viewed from important viewing points, including from the land and sea.	Section 23.5.2 Appendix R2
18.3	Describe the rationale for the major design elements of the proposed development and measures to mitigate their visual impact.	Section 4.4 Section 23.6
18.4	Describe the use of amenity/landscape plantings and potential broad scale revegetation, including the opportunities for the use of locally endemic species.	Section 13.5.2 Appendix J1
18.5	Describe how the design and construction of all buildings and structures will be controlled to ensure environmental sustainability and cohesive visual amenity.	Section 4.4 Section 23.6
18.6	Provide details of the shelter, shading and screening treatments for car parking areas.	Section 4.4.6
Guideline 19 Construction and Operation	During the construction and operation of a large infrastructure project, such as what is proposed at Smith Bay, there will be a range of standard impacts that can occur. Many of these can be adequately managed through construction and operational environmental management plans. As the wharf is proposed to be multi-user, information is needed on who the other potential users may be and how often it is anticipated to be used for other purposes.	Chapter 4 Chapter 16 Chapter 26
19.1	Provide draft environmental management plans, for both construction and operational activities, for all components of the development.	Appendix U1 Appendix U2
19.2	Detail the measures and the management responsibilities to contend with sand management and seagrass wrack accumulation.	Chapter 10 Appendix G
19.3	Outline the timing of construction and the time of year it is likely to occur.	Section 4.1.4
19.4	For each component, provide a site construction plan and outline strategies to minimise effects on the local environment.	Section 26.2 Appendix U1 Appendix U2
19.5	Assess the requirement for any hazardous exclusion zones around the proposed causeway and wharf during ship loading activities, including the tug harbour.	Section 4.5.1 Section 4.6.8
19.6	Identify all sources of waste during construction and operation and describe how the State Waste Strategy will be implemented.	Section 4.8.7 Appendix U5

