

Appendix C – Development Approvals



**Gladstone Area
Water Board**

Appendix C – Development Approvals

Table 1

Regulating Legislation	Responsible Authority	Activity	Approval/Permit/Licence Type
<i>Integrated Planning Act 1997</i>	Minister for Natural Resources and Water	Community Infrastructure Designation	Ministerial Designation
<i>Water Act 2000</i>	Department of Natural Resources and Water	Construction of intake within Fitzroy River for the taking of water	Development Permit for Operational Works
		Destruction of vegetation, excavation or placing fill within the bed and banks of a watercourse, lake or spring	Riverine Protection Permit
<i>State Development and Public Works Organisation Act 1971</i>	Department of Infrastructure and Planning	New development within a State Development Area	Development Permit for Material Change of Use
<i>Environmental Protection Act 1994</i>	Queensland Environmental Protection Authority	Environmentally Relevant Activity ~ ERA 16: Water Treatment Plant	Development Permit for Material Change of Use and Registration Certificate
		Environmentally Relevant Activity – ERA 62 – Concrete batching	Development Permit for Material Change of Use
<i>Vegetation Management Act 1999</i>	Department of Natural Resources and Water	Clearing of native vegetation	Development Permit for Operational Works
<i>Coastal Protection and Management Act 1995</i>	Queensland Environmental Protection Agency	Works in a Coastal Management District	Development Permit for Operational Works
	Gladstone Regional Council	Works on or above tidal waters/land	
<i>Fisheries Act 1994</i>	Department of Primary Industries and Fisheries	Construction of a waterway barrier (temporary or permanent)	Development Permit for Operational Works
		Removal, destruction or disturbance of marine plants	

Regulating Legislation	Responsible Authority	Activity	Approval/Permit/Licence Type
<i>Aboriginal Cultural Heritage Act 2003</i>	Department of Natural Resources and Water	Activity impacting on Aboriginal cultural heritage	Approved Cultural Heritage Management Plan
<i>Transport Infrastructure Act 1994</i>	Department of Main Roads	Work interfering with a State-controlled Road	Ancillary Works and Encroachments Agreement
	Queensland Rail	Work interfering with Rail Corridor Land	Wayleave Permit
<i>Electricity Act 1994</i>	Individual Easement Holder	Works within a declared powerline easement	Approval from easement holder
<i>Petroleum Act 1923</i>	Individual Pipeline License Holder	Works within a gas pipeline easement	Approval from easement holder
<i>Local Government Act 1993</i>	Rockhampton Regional Council	Changing or interfering with the structure of a local road within the former Rockhampton City Council or former Fitzroy Shire Council areas.	Permit under Local Law No 18 – Former Fitzroy Shire and Local Law No 7 – Former Rockhampton City Council
		Operation of extraordinary traffic on local road/s within the former Rockhampton City Council area.	Permit under Local Law No 28 – Former Rockhampton City Council
	Gladstone Regional Council	Changing or interfering with the structure of a local road within the former Calliope Shire Council area.	Permit under Local Law No 21 – Former Calliope Shire Council
<i>Dangerous Goods Safety Management Act 2001</i>	Rockhampton Regional or Gladstone Regional Council (as relevant)	Storage of flammable and combustible goods above certain quantities	Flammable and Combustible Liquids License
<i>Workplace Health & Safety Act 1995 and Workplace Health & Safety Regulation 1997</i>	Department of Employment and Industrial Relations	Undertaking a notifiable project	Notifiable Project Registration
<i>Environmental Protection Act 1994 and Environmental Protection (Interim Waste) Regulation 1996.</i>	Rockhampton Regional or Gladstone Regional Council (as relevant)	Disposal of construction refuse	Council approval

Table 2 State and regional coastal management plans and outcomes relevant to the Gladstone–Fitzroy Pipeline project

Topic and Coastal Management Outcome	Relevant Policies	Relevance to the Gladstone–Fitzroy Pipeline project and section of the Draft EIS where referenced in more detail	Compliance with Coastal Plan Policy (Consistent or Inconsistent)
<p>2.1 Coastal use and development Use and development of the coastal zone occurs in an ecologically sustainable manner.</p>	<p>2.1.1 Areas of State significance (social and economic)</p>	<p>The GSDA is identified as being of State significance as the site for large-scale industrial development. The location of the pipeline and associated infrastructure within the GSDA is the subject of agreement with the Department of Infrastructure, which is responsible for the management of the GSDA.</p> <p>This policy specifically relates to the management of incompatible land uses and activities surrounding the GSDA. Sections of the pipeline and associated infrastructure located outside the GSDA will not negatively impact upon this significant area.</p>	<p>Consistent.</p>
	<p>2.1.12 Managing water resources</p>	<p>This policy seeks to ensure that the extraction of water from watercourses and groundwater in the coastal zone (all rivers that flow into Queensland tidal waters) does not have adverse impacts on coastal resources and their values.</p> <p>The Gladstone–Fitzroy Pipeline project is in accordance with the directions expressed in the <i>Central Queensland Regional Water Supply Strategy</i> (CQRWSS). The CQRWSS expressly provides for the Fitzroy Resource Operations Plan to be amended to reserve up to 30,000 ML/a of reliable water from the Lower Fitzroy for urban and industrial purposes for GAWB.</p> <p>Sufficient mitigation measures will be established to ensure water quality of surrounding watercourses will not be affected during the construction of the project.</p>	<p>Consistent.</p>
	<p>2.1.16 Infrastructure development</p>	<p>This policy from the CCRCMP seeks to avoid or minimize impacts of the design, location and construction of “land-based infrastructure” on areas of high conservation significance, including significant wetlands and regionally important coastal habitats and shorebird habitat and hydrological regimes that</p>	<p>Consistent.</p>

Topic and Coastal Management Outcome	Relevant Policies	Relevance to the Gladstone–Fitzroy Pipeline project and section of the Draft EIS where referenced in more detail	Compliance with Coastal Plan Policy (Consistent or Inconsistent)
		<p>are important in maintaining the functioning of coastal wetlands.</p> <p>If a use or activity that has adverse effects is to occur within ‘areas of state significance (natural resources)’, it must have a demonstrated net benefit for the state as a whole. Land allocation for uses and activities adjacent to ‘areas of state significance (natural resources)’ is to be compatible with the maintenance of the area’s values.</p> <p>An overall assessment of the potential impacts of the project on terrestrial and marine ecology and further details of the proposed mitigation measures are discussed in Chapters 6, 7, and 8.</p>	
<p>2.2 Physical coastal processes</p> <p>The coast is managed to allow for natural fluctuations to occur including any that occur as a result of climate change and sea level rise and provide protection for life and property</p>	<p>2.2.4 Coastal hazards</p>	<p>Development in areas on the coast identified as having a risk of being affected by coastal hazards needs to be carefully considered and wherever possible, be retained undeveloped.</p> <p>Where areas vulnerable to storm tide inundation have been developed, further development in these areas needs to address:</p> <ul style="list-style-type: none"> a) its vulnerability to sea level rise and storm tide inundation; and b) the proposed access to and protection of evacuation routes. <p>An overall assessment of potential impacts of hazards on the project and further details of the proposed mitigation measures are discussed in Chapter 16 Hazard and Risk.</p>	<p>Consistent.</p>
<p>2.4 Water quality</p> <p>Water quality in the coastal zone is maintained at a</p>	<p>2.4.1 Water quality management</p>	<p>This policy provides for the consideration of environmental values and water quality objectives under the EPP Water in relation to development of the coastal zone.</p> <p>Where environmental values and water quality objectives have been</p>	<p>Consistent.</p>

Topic and Coastal Management Outcome	Relevant Policies	Relevance to the Gladstone–Fitzroy Pipeline project and section of the Draft EIS where referenced in more detail	Compliance with Coastal Plan Policy (Consistent or Inconsistent)
standard that protects and maintains coastal ecosystems and their ability to support human use.		<p>determined for coastal waters in accordance with the EPP (Water), development and use of the coastal zone is planned and managed to protect the identified values and achieve the water quality objectives.</p> <p>Where environmental values and water quality objectives have not been determined for coastal waters, development and use of the coastal zone is planned and managed to minimise adverse impacts on water quality and achieve the general environmental values and water quality objectives outlined in the EPP (Water).</p>	
	2.4.4 Stormwater management	<p>This policy provides that stormwater from the construction site be managed in accordance with best practices.</p> <p>Stormwater runoff (quality and quantity) is managed in accordance with best practice, to ensure that environmental values of the watercourses, estuaries and other coastal waters are protected. Ecosystems that have experienced minimal impacts and are particularly vulnerable to effects arising from stormwater runoff will be priority areas for protection (especially partially or fully enclosed systems with low water exchange rates, including coastal wetlands, lagoons or coastal estuaries).</p> <p>Ensuring the quality of stormwater run-off from the construction site/s will be a key element of the EMP with further specific actions on stormwater management and erosion and sediment control determined as part of the construction phase..</p>	Consistent.

Topic and Coastal Management Outcome	Relevant Policies	Relevance to the Gladstone–Fitzroy Pipeline project and section of the Draft EIS where referenced in more detail	Compliance with Coastal Plan Policy (Consistent or Inconsistent)
	2.4.5 Groundwater management	<p>Groundwater baseline conditions and likely impacts from the movement of groundwater (as a result of earthworks associated with the construction of the pipeline and associated infrastructure) are discussed in Chapter 9 Water Resources and Water Quality.</p> <p>Mitigation measures to address acidic or contaminated groundwater movement and treatment are described in Chapter 5 Soils and Contaminated Land. In addition, a detailed ASS Management Plan will be prepared in accordance with the process and requirements specified in Appendix 4 of the SPP 2/02 prior to the commencement of construction.</p>	Consistent.
	2.4.6 Acid sulfate soils	<p>SPP 2/02 Planning and Managing Development Involving Acid Sulfate Soils addresses impacts of development on ASS.</p> <p>Potential and actual ASS is addressed further in Chapter 5 Soils and Contaminated Land. In addition, a detailed ASS Management Plan will be prepared in accordance with the process and requirements specified in Appendix 4 of the SPP 2/02 prior to the commencement of construction.</p>	Consistent.
<p>2.5 Indigenous traditional owner cultural resources</p> <p>The living culture of Indigenous Traditional Owners and their connection with cultural resources within the coastal zone is</p>	<p>2.5.1 Areas of State significance (Indigenous Traditional Owner cultural resources)</p> <p>2.5.2 Involvement of Indigenous Traditional Owners in managing their cultural resources</p>	<p>Where ‘Areas of State significance (Indigenous Traditional Owner cultural resources)’ are identified, the preparation of regional planning strategies, local government planning schemes, management plans and (where applicable, the assessment of applications to develop or use the land) should reflect the requirements of the regional coastal plan.</p> <p>Where ‘Areas of State significance (Indigenous Traditional Owner cultural resources)’ are not identified by regional coastal plans, State agencies and local governments are encouraged to involve Indigenous Traditional Owners in accordance with Policy 2.5.2.</p> <p>The Cultural Heritage Management Plan prepared under the <i>Aboriginal Cultural</i></p>	Consistent

Topic and Coastal Management Outcome	Relevant Policies	Relevance to the Gladstone–Fitzroy Pipeline project and section of the Draft EIS where referenced in more detail	Compliance with Coastal Plan Policy (Consistent or Inconsistent)
valued and continues for generations of Indigenous Traditional Owners.		<i>Heritage Act 2003</i> for the Gladstone–Fitzroy Pipeline project will address the requirements for involvement and consultation with Traditional Owners. This is outlined in Chapter 14 Cultural Heritage.	
2.6 Cultural heritage Places, buildings and objects with important cultural heritage values located on the coast are appreciated, conserved, managed and passed on to future generations.	2.6.1 Areas of State significance (cultural heritage) 2.6.2 Cultural heritage	Areas and places of historic cultural heritage significance have been assessed as part of the EIS and appropriate management responses developed in accordance with relevant State and Australian Government legislation. 'Areas of State significance (cultural heritage)' are protected from incompatible land uses and activities that may adversely affect the cultural heritage values of the areas. Decisions regarding uses and activities adjacent to 'Areas of State significance (cultural heritage)' are to be compatible with the protection of the area's values. No 'Areas of State significance (cultural heritage)' will be affected by the project. Assessment of historic cultural heritage issues is contained in Chapter 14 Cultural Heritage.	Consistent

Topic and Coastal Management Outcome	Relevant Policies	Relevance to the Gladstone–Fitzroy Pipeline project and section of the Draft EIS where referenced in more detail	Compliance with Coastal Plan Policy (Consistent or Inconsistent)
<p>2.8 Conserving nature</p> <p>Coastal ecosystems, including their ecological processes, opportunities for survival, biological diversity and potential for continuing evolutionary adaptation, are maintained, enhanced and restored.</p>	<p>2.8.1 Areas of State significance (natural resources)</p>	<p>This policy seeks to avoid or minimize impacts to ‘Areas of State significance (natural resources)’ including significant coastal wetlands, significant coastal dune systems, Endangered regional ecosystems and protected areas.</p> <p>If a use or activity that has adverse effects is to occur within ‘Areas of state significance (natural resources)’, it must have a demonstrated net benefit for the state as a whole.</p> <p>The <i>Curtis Coast Regional Coastal Management Plan</i> seeks to ensure that future infrastructure of State significance, such as the Gladstone–Fitzroy Pipeline project, minimises and mitigates impacts on significant coastal wetlands and their values through:</p> <ul style="list-style-type: none"> a) identifying significant coastal wetlands; b) balancing significant coastal wetland values with other values of net benefit to the State; c) identifying measures or strategies to mitigate potential adverse impacts such as mangrove mitigation and the rehabilitation of other coastal wetlands area; and d) ensuring coordination between relevant agencies. <p>These areas are mapped under the <i>Curtis Coast Regional Coastal Management Plan</i>.</p> <p>There are no parts of the Gladstone–Fitzroy Pipeline project which will directly affect significant coastal wetlands, significant coastal dune systems and protected areas.. There are small areas of Endangered regional ecosystems along the alignment near Yarwun. Impact to these areas will be minimised or avoided through final route alignment and other mitigation measures and will comply with the requirements of the <i>Vegetation Management Act 1999</i>.</p> <p>An overall assessment of the potential impacts of the project on terrestrial and marine ecology and further details of the proposed mitigation and compensatory measures are discussed in Chapters 7, 8 and 9.</p>	<p>Consistent.</p>

Topic and Coastal Management Outcome	Relevant Policies	Relevance to the Gladstone–Fitzroy Pipeline project and section of the Draft EIS where referenced in more detail	Compliance with Coastal Plan Policy (Consistent or Inconsistent)
	2.8.2 Coastal wetlands	<p>The policy seeks that further loss or degradation of coastal wetlands is to be avoided and impacts on coastal wetlands prevented, minimised or mitigated (in order of preference).</p> <p>These areas are mapped under the <i>Curtis Coast Regional Coastal Management Plan</i>.</p> <p>Chapter 8 Aquatic Flora and Fauna assesses the impacts to wetlands associated with the proposal including options to prevent, minimise and mitigate impacts.</p>	Consistent.
	2.8.3 Biodiversity	<p>Biodiversity on the coast is to be safeguarded through conserving and appropriately managing the diverse range of habitats including coral reefs, seagrass, soft bottom (benthic) communities, dune systems, salt flats, coastal wetlands and riparian vegetation.</p> <p>These habitats are mapped under the <i>Curtis Coast Regional Coastal Management Plan</i>.</p>	Consistent.
	2.8.5 Pest species management	<p>A weed and pest management element has been included as part of the EMP with further specific actions on weed and pest management determined as part of the construction phase.</p>	Consistent.

Table 3 Project compliance with policy outcomes of CQRGMF

<p>Land Use Planning and Management</p> <p>Policy Outcome: The promotion of, and adherence to, best practice land management for sustainable and profitable land use.</p> <p>Project compliance:</p> <ul style="list-style-type: none">• The project will not detrimentally affect the region's natural resources.• Native Title interests have been considered in the project's development.• The project will comply with relevant approvals, conditions and strategies to minimize environmental impacts.
<p>Pests and Diseases</p> <p>Policy Outcome: The economic prosperity, competitive advantage and biodiversity of the region are protected from introduced and endemic pests and diseases.</p> <p>Project compliance:</p> <ul style="list-style-type: none">• A weed and pest management element will be included as part of the EMP with further specific actions on weed and pest management determined as part of the construction phase.
<p>Water Use Planning and Management</p> <p>Policy Outcome: The promotion of, and adherence to, sustainable use of water resources while maintaining and enhancing environmental values.</p> <p>Project compliance:</p> <ul style="list-style-type: none">• The project is in accordance with the directions expressed in the <i>Central Queensland Regional Water Supply Strategy (CQRWSS)</i>.• The CQRWSS expressly provides for the Fitzroy Resource Operations Plan to be amended to reserve up to 30,000 ML/a of reliable water from the Lower Fitzroy for urban and industrial purposes for GAWB.• Sufficient mitigation measures will be established to ensure water quality of surrounding watercourses will not be affected during the construction of the project.
<p>Waste Management</p> <p>Policy Outcomes: Socio-economic and environmentally sustainable waste management practices are adopted within the region.</p> <p>Project compliance:</p> <ul style="list-style-type: none">• Waste products will be recycled or reused where possible as outlined in the EMP.

Air Quality

Policy Outcome: Air quality is maintained at levels which ensure sustainable regional communities, protection of the natural environment and opportunities for continuing economic growth.

Project compliance:

- A detailed air quality analysis of the project has been prepared. The water treatment plant will operate to meet the EPA requirements on air quality.

Climate Change and Greenhouse

Policy Outcome: Development takes place with a focus on efficiency to achieve economic progress with minimization of greenhouse emissions and with an understanding of the potential impact of climatic conditions.

Project compliance:

- A greenhouse gas assessment has been undertaken for the project and consideration has been given to the impact sea level rise on flooding in the project area. Refer Chapter 3 Climate and Chapter 10 Air Quality..

Fisheries Management

Policy Outcome: Fisheries resources and fish habitats are managed for sustainable economic and recreational use and conservation of biodiversity.

Project compliance:

- The project will minimize any detrimental impacts on fish habitats and marine plants.

Biodiversity Conservation

Policy Outcome: Biodiversity in terrestrial, freshwater, marine and estuarine ecosystems is maintained, with native species and communities conserved and linked by viable networks of wildlife habitat across the landscape.

Project compliance:

- The project will comply with relevant approvals, conditions and strategies to minimize environmental impacts.

Coastal Planning and Management

Policy Outcome: The region's coastal resources and values have been identified and promoted to ensure they are used in a sustainable manner.

Project compliance:

- The project will not have any detrimental impacts on the region's coastal resources and values.

Existing and Emerging Industries

Policy Outcome: The region supports existing and emerging industries and encourages diversification ensuring growth and a viable and ecologically sustainable economy in the region.

Project compliance:

- The project will assist significant economic growth to occur in the region with associated growth in local, regional and State economies.

Labour Market

Policy Outcome: The provision of a flexible and skilled workforce meeting industry requirements which is capable of responding to both industry and personal changes.

Project compliance:

- There is an existing skilled workforce in the region which will assist in meeting the workforce demands of the project.
- The project will provide significant input into the State, regional and local economies.

Export Development

Policy Outcome: It is recognized there is an increased capacity of the region to engage directly with international markets which increases our global perspective and enhances the viability of organizations based in the region.

Project compliance:

- The project will assist in ensuring that water is available for use by activities that are engaging directly with international markets.

Mineral Processing/Metal Manufacturing and Chemical Processing

Policy Outcome: The existence of mineral processing/metal manufacturing activities that build on the extensive mineral and resource deposits in the region that meet existing and emerging markets. The existence of chemical processing industries supported by mining and mineral processing.

Project compliance:

- The project will assist in ensuring that water is available for Mineral Processing/Metal Manufacturing and Chemical Processing activities within the Gladstone State Development Area.