

Appendix F – List of Proponent Commitments



**Gladstone Area
Water Board**

Appendix F

Key Proponent Commitments

This appendix summarises the key commitments that are outlined in the relevant EIS chapters.

General

A. In accordance with the timing, processes and triggers set out in GAWB's Contingent Supply Strategy (as articulated through its QCA submissions, registered Drought Management Plan and such other relevant formal documentation as may be produced from time to time), GAWB will:

- a) respond to drought conditions and/or demand growth; and
- b) where determined as the appropriate action, construct, operate and maintain a water intake, pump stations, pipeline, treatment plant, storages and associated infrastructure within the corridor and generally in accordance with the alignment and sites as shown on Figure 1.3 (Locality Map) in the EIS.

B. It is noted there will be statutory obligations under other legislation for either GAWB or the construction contractor to:

- a) obtain all necessary approvals (key approvals are summarised in Appendix C);
- b) discharge various duties (e.g. a general duty not to cause environmental harm)

C. The following commitments, subject to the factors noted, include some beyond those required to meet statutory approvals. It is intended that their implementation will enhance the mitigation of potential adverse environmental impacts of the Project, in accordance with good environmental management practice. The commitments are drawn from the detailed planning EMP developed as part of the EIS, which is intended to address specific environmental issues identified during the EIS process associated with each element of the Project. Detailed Construction and Operations Environmental Management Plans (EMP) will be developed based on (and to achieve the objectives of) the planning EMP (Chapter 20 of the EIS).

Climate Impacts Plan

C1. Preparation and implementation of a Climate Impacts Plan (including an Emergency Management Plan) for construction and operation, which is intended to minimise the risks to the environment, property and personnel arising from local climatic conditions and extreme climatic events.

Land Use and Infrastructure Disturbance Plan

C2. Preparation and implementation of a Land Use and Infrastructure Disturbance Plan for construction and operation, which is intended to minimise potential impacts on land use activities and local/regional infrastructure, and will comply with project-related contracts/agreements (including e.g. easements and licences). Coordination and cooperation with the Department of Infrastructure & Planning in relation to the SGIC and Gladstone State Development Areas will be a key success factor.

Erosion and Sedimentation Plan

C3. Preparation and implementation of an Erosion and Sedimentation Control Plan for construction and operation, complying with the requirements set out in the “Soil Erosion and Sediment Control – Engineering Guidelines for Queensland Construction Sites (The Institution of Engineers, Australia (Qld), 1996, or later version)”.

Contaminated Land Plan

C4. Preparation and implementation of a Contaminated Land Plan for construction and operation, which is intended to minimise the impacts caused from existing contaminated land and prevent land contamination occurring as a result of the project. As part of this plan, where construction will impact on land designated on the Environmental Management Register or Contaminated Land Register, the Contaminated Land Unit, Environmental Protection Agency, will be notified.

Acid Sulfate Soils Plan

C5. Preparation and implementation of an Acid Sulfate Soils Plan for construction and operation, which is intended to minimise the potential for environmental impacts arising from the inappropriate handling or management of ASS, in accordance with SPP 2/02 Planning and Managing Development Involving Acid Sulfate Soils and the SPP 2/02 Guideline: Acid Sulphate Soil, and with reference to the Guidelines for Sampling and Analysis of Lowland Acid Sulphate Soils in Queensland 1998.

Vegetation Clearing Plan

C6. Preparation and implementation of a Vegetation Clearing Plan for construction and operation, which is intended to minimise the impact on flora and fauna within the project area and rehabilitate impacted areas to the state that was present prior to the project taking place (as close as reasonably practicable).

The plan will incorporate requirements for vegetation clearing permit/s, to be obtained from the Queensland Department of Natural Resources and Water as required under the Vegetation Management Act 1999. The plan will also reflect site specific mitigation measures listed in Table 6.12 and 6.13 of the EIS, and require Special Area Plans to be developed and implemented in these instances.

Introduced/Pest Fauna Plan

C7. Preparation and implementation of an Introduced/Pest Fauna Plan for construction and operation, which is intended to minimise the impact of introduced/pest fauna species and spread of pest fauna species as a result of the project, in particular the Red Imported Fire Ant (RIFA).

The project traverses the Yarwun Fire Ant Restricted Area, and regulations apply. An Approved Risk Management Plan (ARMP) will be developed in consultation with the Department of Primary Industries and Fisheries (DPI&F). The EMP measures will also help to prevent spread of other invasive invertebrate species such as the big headed ant (*Pheidole megacephala*) and black crazy ant (*Paratrechina longicornis*) known to occur in the region.

Fauna Management and Protection Plan

C8. Preparation and implementation of a Fauna Management and Protection Plan for construction and operation, which is intended to minimise the impact of the project on fauna and its habitat, and to rehabilitate impacted areas to the state that was present prior to the project taking place, as far as reasonably practicable (not including e.g. the pipeline alignment itself).

The plan will require specific mitigation measures for key locations as per Tables 7.11 and 7.12 of the EIS, and require Special Area Plans to be developed and implemented in these instances.

Beyond EMP management measures, the design has been developed with best practice environmental management in mind. Impacts to habitat at creek crossings will be minimised through the use of trenchless crossing methods at Eight Mile/Inkerman Creek, Raglan Creek & Horrigan Creek.

Weed Management Plan

C9. Preparation and implementation of a Weed Management Plan for construction and operation, which is intended to minimise the spread and impact of weeds in the project area and surrounding lands.

All investigations and fieldwork already completed on the project adhered to a strict Weed Management Plan developed in consultation with landowners and Local Governments, which received very favourable feedback. A number of weeds are known to occur along the corridor that would be given particular attention in the implementation of the Weed Management Plan:

- Parthenium (*Parthenium hysterophorus*)
- Giant Rats-tail Grass (*Sporobolus* spp.)
- Rubber Vine (*Cryptostegia grandiflorus*)
- Fireweed (*Senecio madagascariensis*)
- Harrisia (*Harrisia* spp.)
- Prickly Pear (*Opuntia* spp.)
- Mother-of-Millions (*Bryophyllum* spp.)
- Lantana (*Lantana camara*)
- Leucaena (*Leucaena leucocephala*).

Water Resources and Water Quality Plan

C10. Preparation and implementation of a Water Resources and Water Quality Plan for construction and operation, which is intended to minimise and manage impacts to surface and groundwater.

The plan will incorporate requirements for approvals and permits for construction at creek crossings, including a marine plant permit for creeks where marine plants will be disturbed and/or a riverine protection permit for works requiring the destruction of vegetation, excavation or the placing of fill in a watercourse, as applicable.

The plan will require Special Area Plans to be developed and implemented at all watercourse crossings. A Groundwater Management Plan (GWMP) will be included as part of the Construction and Operations EMP.

Beyond EMP management measures, the design has been developed with best practice environmental management in mind. Impacts to water resources and water quality at creek crossings will be minimised through the use of trenchless crossing methods at Eight Mile/Inkerman Creek, Raglan Creek & Horrigan Creek.

Air Environment Plan

C11. Preparation and implementation of an Air Environment Plan for construction and operation, which is intended to minimise the air quality impacts arising from the project.

Particular focus will be placed on dust generation caused by construction activities.

Waste Management Plan

C12. Preparation and implementation of a Waste Management Plan for construction and operation, which is intended to reduce the amount of waste produced during the project, to maximise recycling and reuse, and to manage waste generated in a manner that minimises the risk of it negatively impacting on the surrounding environment.

Residue from the water treatment plant will be disposed of at an approved location in accordance with local government requirements. Options under consideration for the disposal of the residue include supply of the residue to a local contractor and disposal to a local government approved landfill.

Hydrotesting Plan

C13. Preparation and implementation of a Hydrotesting Plan for construction (commissioning), which is intended to minimise the potential impacts from hydrotesting and commissioning of the pipeline and WTP on the local environment, particularly waterways.

Where reasonably practicable, water used during testing and commissioning of the WTP, pipeline and reservoirs will be reused within the system or passed down the pipe (if of sufficient quality), in preference to disposal.

Noise Management Plan

C14. Preparation and implementation of a Noise Management Plan for construction and operation, which is intended to manage construction and operation in a way that minimises the impact of noise on the local community including to control noise generation to within the relevant noise standards.

Potentially affected residents will be kept informed about when works will occur in their area, and the duration of the works. If audible noise at the nearest noise sensitive receiver (i.e. residence) cannot be avoided outside the hours Monday to Saturday, before 6:30am and after 6:30pm, an appropriate mitigation response and/or agreement will be obtained from affected residents.

The plan will require a Blasting Operations Plan to be prepared and implemented, detail safety measures and other management measures, if blasting is required (for example at Aldoga).

Transport and Access Plan

C15. Preparation and implementation of a Transport and Access Plan for construction and operation, which is intended to minimise the impacts on transport and access arising from the project.

A Road Impact Assessment study has been completed for the EIS. The study details the impact of construction and operational traffic on roads, and outlines specific upgrade commitments:

- Laurel Banks Road – the first 2.3 km section widened to a similar standard as the remaining wider section to Ski Gardens Road.
- Laurel Banks Road / Rockhampton Ridgeland Road intersection – upgrade to a Basic Right Turn (BAR) treatment.
- Rockhampton Ridgeland Road – newly formed direct access for the Alton Downs WTP, constructed as a BAR treatment.

Traffic Management Plans will be developed prior to construction to address site specific details for each element of the project, in negotiation with Rockhampton Regional Council, Gladstone Regional Council and the Department of Main Roads, detailing:

- The design of site accesses, including the provision of signage and traffic control during construction at site accesses and pipeline crossings
- Temporary speed reductions as required at site accesses or on unsealed roads in the vicinity of sensitive receptors
- Temporary traffic control measures
- Options for carpooling or use of buses by construction personnel to reduce traffic generation resulting from the project.

The plan will incorporate requirements for all permits and approvals required under the Transport Infrastructure Act 1994 including:

- Approval for works within a state controlled road corridor
- Approval for works within a railway corridor.

The crossing of major roads (Ridgeland, Capricorn, Mt Larcom, Mt Larcom Gladstone Roads and the Mt Larcom Gladstone Road and Calliope River Targinie Road intersection) and rail will be undertaken by trenchless methods where practicable to minimise impacts to traffic.

The plan will address the maintenance of roads (particularly unsealed roads), during construction including traffic management measures or possible road/intersection improvements to enable safe access during construction of the project. Rehabilitation of all temporary access roads and other areas of disturbance resulting from the construction of the pipeline to a state equivalent to or better than the pre-construction state would be undertaken (unless otherwise agreed with the landowner or relevant authority).

Cultural Heritage Plan

C16. Preparation and implementation of a Cultural Heritage Plan for construction and operation, which is intended to minimise the impact of the project on Aboriginal and historic cultural heritage.

An approved CHMP between GAWB and each of the PCCC and Darumbal people will be finalised prior to construction commencing in accordance with the requirements of the Aboriginal Cultural Heritage Act 2003. As part of the CHMP an Aboriginal cultural heritage survey of the project area will be undertaken by representatives of the PCCC and Darumbal People.

Two sites of historic cultural heritage that have been identified are expected to be impacted as a result of the project. The plan will incorporate:

- A survey of the Woolwash – Frogmore pipeline, to determine the nature and extent of subsurface archaeological material within the project corridor prior to construction
- A basic level of photographic recording, which captures the nature of the item and its context within the cultural environment and within the project area, will be undertaken prior to works commencing in the area for both sites

Social and Economic Environment – Complaints Procedure Plan

C17. Preparation and implementation of a Social and Economic Environment – Complaints Procedure Plan, which is intended to appropriately address complaints from the community that may arise as a result of environmental or social incidents during construction or operation of the project.

The plan will incorporate a communications plan to be implemented for informing directly affected landowners of project planning, contact details and processes for queries or complaints, building on the significant communications activity already undertaken.

The plan will establish a complaints response management system that provides for the receipt, recording and timely investigation and response to complaints, including the implementation of preventative or corrective actions and communication with the person who made the complaint to inform them of the actions undertaken.

Handling and Storage of Dangerous Goods Plan

C18. Preparation and implementation of a Handling and Storage of Dangerous Goods Plan for construction and operation, which is intended to manage the purchase, handling, storage and disposal of dangerous goods on site in a manner that does not cause harm to the environment, project personnel or the public, achieving compliance with relevant legislation, codes and standards including:

- The Dangerous Goods Safety Management Act 2001 (Qld).
- AS:1940 The Storage and Handling of Flammable and Combustible Liquids
- The Australian Code for the Transport of Dangerous Goods by Road and Rail.

Health and Safety Management Plan

C19. Preparation and implementation of a Health and Safety Management Plan for construction and operation, which is intended to manage the construction and operation of the project in a manner that prevents adverse effects to the health and safety of project personnel and the general public, achieving compliance with relevant legislation, regulations, GAWB's Environment, Health and Safety Management System and the contractor's Health and Safety Management System.

The plan will require creation and implementation of a construction safety plan and appropriate work method statements for the project, and an operations safety plan.

The plan will include placement of appropriate warning signage at the intake point for water skiers or other members of the public, and the provision of information to the Rockhampton Water Skiing and Powerboat Club regarding intake operations.

The plan will require a Special Area Plan to be developed and implemented for the Fitzroy River intake area.

Emergency Management Plan

C20. Preparation and implementation of an Emergency Management Plan for construction and operation, which is intended to ensure that emergency situations are managed efficiently, minimising the risk to personnel, property or the public that may arise.

The plan will require an emergency action plan (EAP) to be developed for implementation during operations and this will form one of a suite of subordinate Disaster Management Plans under GAWB's Disaster Management Plan – Master Plan.

Landscape and Visual Amenity Management Plan

C21. Preparation and implementation of a Landscape and Visual Amenity Management Plan for construction and operation, which is intended to minimise visual modification impacts upon landscape and visual amenity that arise.

Special Area Plans

C22. Each Special Area Plan will include (but may not be limited to) provisions:

- stating location-specific mitigation strategies
- detailing the construction corridor to be used in these locations, constrained where appropriate
- that no unnecessary clearing will be undertaken
- that, as far as reasonably practicable, construction activities will be limited to existing clearings
- that established sensitive flora species will not be cleared, wherever reasonably practicable
- that wherever reasonably practicable, trees with hollows will not be cleared, or new constructed hollows installed
- that wherever reasonably practicable, damage to the edges of remnant communities will be minimised and erosion controls implemented

- detailing a rehabilitation plan for each sensitive area impacted during construction
- detailing a revegetation plan for each sensitive area that will experience clearing
- detailing ecologically sensitive weed management that will be undertaken