

ENVIRONMENTAL ANNUAL RETURN

ANNUAL RETURN- EPBC 2008/4402-LNG PLANT AND ONSHORE FACILITIES

Scope and application

The then Minister for Sustainability, Environment, Water, Population and Communities approved action relating to the Queensland Curtis LNG Project on 22 October 2010. Under EPBC approval 2008/4402 (the approval), QGC is required to submit an Annual Return addressing compliance with the conditions of the approval. The Annual Return must be published on the QGC website within 20 calendar days of the anniversary date of the approval.

This document is QGC's Annual return for referral approval, EPBC 2008/4402 – LNG Plant and Onshore Activities for the period from 22 October 2016 to 21 October 2017 (the Reporting Period).

Condition 66 of the approval requires that the Annual Return:

- address compliance with the conditions;
- records any unavoidable adverse impacts on MNES, mitigation measures applied to avoid adverse impacts on MNES; and any rehabilitation work undertaken in connection with any unavoidable adverse impact on MNES;
- identifies all non-compliances with these conditions; and
- identifies any amendments needed to plans to achieve compliance with these conditions.

This report complies with these requirements.

Contents

1.0	Background	2
1.1	The QCLNG Project.....	2
1.2	Regulatory Environment	2
2.0	Review of project activities during the reporting period.....	2
Appendix A	LNG Plant – EPBC 2008/4402	4

1.0 Background

1.1 The QCLNG Project

The Queensland Curtis Liquefied Natural Gas Project, commonly known as the QCLNG Project, extracts coal seam gas from Southern Queensland, transports it via pipeline to Curtis Island, where it is processed into Liquefied Natural Gas (LNG) for export

1.2 Regulatory Environment

The QCLNG Project is regulated at the state and federal government level. Queensland's Coordinator General granted approval for the project on 26 June 2010 and the then Commonwealth Minister for Sustainability, Environment, Water, Population and Communities (the Minister) granted approval for the project on 22 October 2010.

The Queensland Coordinator-General's Report on the environmental impact statement for the QCLNG Project was released pursuant to s.35 of the State Development and Public Works Organisation Act 1971 (QLD). This report imposed conditions on the project that QGC is required to meet during construction and operation. The report contains over 1000 conditions governing the project relating to:

- The transport of plant, equipment, materials and people;
- Social impacts including affordable housing and job creation; and
- Gas field, pipeline and LNG construction and operation;

Following receipt of the Co-ordinator-General's decision, the Minister approved all five referrals made by QGC under the Environmental Protection and Biodiversity Conservation Act 1999 (EPBC Act). The QCLNG project operates under the following five approvals:

- Approval, EPBC 2008/4398 – QCLNG Gas Field Component
- Approval, EPBC 2008/4402 – LNG Plant & Onshore Activities Components
- Approval, EPBC 2008/4399 – Pipeline Network Component
- Approval, EPBC 2008/4405 – Shipping Activities
- Approval, EPBC 2008/4401 – Marine Facilities Components

It is a requirement of each of these approvals that QGC complete an Annual Return. The Annual Return must report on compliance with the conditions contained in each approval and must be published on the QGC website. This document is QGC's Annual return for referral approval EPBC 2008/4402 – LNG Plant and Onshore Activities for the period from 22 October 2016 to 21 October 2017 (the Reporting Period).

2.0 Review of project activities during the reporting period

QGC has completed construction and is now operating both LNG trains at the Facility.



In compiling this Annual return, QGC has not identified any new instances of non-compliances with the conditions of its approval. Appendix A provides details of compliance/update with each of the approval conditions.



Appendix A LNG Plant – EPBC 2008/4402- ASSESSMENT OF COMPLIANCE WITH CONDITIONS

Condition		Status	Statement of Compliance
LNG Facility site			
1.	The LNG Facility site is the area outlined on the map at Figure 1.	Activated	Compliant – The LNG facility site is located within the area outlined in the map at Figure 1 of the approval.
Visual Impact			
2.	<p>The proponent must minimise the visual impact of the construction and operation of the LNG Facility by:</p> <ul style="list-style-type: none"> a. constructing the LNG Facility within the site identified in Figure 1; b. applying a colour scheme to the LNG Facility and buildings, other than the LNG storage tanks and any necessary corrosion-protected structures and pipe insulation, from the palette of predominant colours found in the locality (Curtis Island) except where to do so would be in contravention of health and safety legislative requirements; c. ensuring site works minimise tree clearing, with stabilisation and rehabilitation works on disturbed areas fully implemented within twelve months of completing each component of the LNG Facility (the worker accommodation facility and associated infrastructure; LNG storage tanks; and LNG trains and ancillary equipment and infrastructure); and d. minimising light spill and direct views of lights outside the LNG Facility boundary except where to do so would be in contravention of health and safety legislative requirements. 	Activated	<p>Compliant:</p> <ul style="list-style-type: none"> a. Operational works are within the site boundaries. b. The colour scheme for the LNG facility has been designed to comply with this requirement. c. Site clearing was undertaken so as to minimise the level of tree clearing. Stabilisation and rehabilitation works are being progressively implemented as each component of the LNG facility is completed. d. Lighting of the site has been designed to comply with this requirement.

Conduct of construction and operation workforce			
3.	The proponent must not bring private motor vehicles onto the LNG site, or private watercraft into waters within 100 metres of the LNG site boundary, except for activities directly relating to pre-clearance surveys, site clearance, and the construction and operation of the LNG facility.	Activated	Compliant – compliance with this condition is ensured through physical barriers and security protocols.
4.	The proponent must not bring animals and plants (including domestic cats and dogs and other potential pests and weeds), other than for landscaping and rehabilitation purposes onto the LNG site, or on to Curtis Island. Note 1: For clarity, plants that are brought to Curtis Island for landscaping and rehabilitation purposes must be native Australian species sourced from the South Eastern Queensland and/or Brigalow Belt bioregion/s).	Activated	Compliant – compliance with this condition is ensured through site physical barriers, security protocols and a site induction program.
5.	Entry into the Curtis Island Environmental Management Precinct, as identified in Figure 2, must be prohibited for all the proponent's construction workers, construction contractors and its employees, whilst they are rostered on shifts or accommodated by the proponent on Curtis Island, except with the prior consent in writing of the authority responsible for the management of this Precinct.	Activated	Compliant – compliance with this condition is ensured through on site physical barriers, security protocols and site rules. QCLNG notes that construction phase is now complete and there are no accommodation facilities on Curtis Island. This requirement is reiterated to staff and contractors at the site in the induction.
6.	An induction program must be implemented for all the proponent's employees and subcontractors at the time or before they commence work on Curtis Island. The induction program must include: <ul style="list-style-type: none"> a. an overview that clearly explains to all the proponent's employees and sub-contractors engaged on the construction and operation of the LNG Facility that they are working in a World Heritage Area and an explanation of the environmental values of the World Heritage Area; b. information on listed species and ecological communities and other native species that are found in the area, and the related responsibilities of the proponent, its employees and subcontractors c. an explanation of the Rodds Bay Dugong Protection Area, and Great Barrier Reef Marine Park zoning on the eastern side of Curtis Island, Rodds Peninsula and the Capricorn Bunker Group, and the responsibilities of the proponent, its employees and subcontractors within and in relation to these areas. This explanation must include the 	Activated	Compliant – a site induction is provided to all employees of QGC and its subcontractors as well as visitors to Curtis Island.

	<p>provision of maps depicting the zones, an explanation as to what can and cannot be done in the various zones, and information about how important the terrestrial and marine environments of the Capricorn Bunker Group are to conserving biodiversity within the Great Barrier Reef Marine Park; and</p> <p>d. information that fosters a culture of environmental awareness of the values of the area and raises awareness among all employees and sub-contractors of the compliance and enforcement programs of the Great Barrier Reef Marine Park Authority and penalties that apply for offences.</p>		
7.	The obligations under conditions 3, 4, 5 and 6 must also apply to any visitors to the LNG site, or to Curtis Island, who are under the direction or control of the proponent.	Activated	Compliant – There are numerous control measures in place to ensure the above obligations are imposed on visiting personnel. These measures include physical barriers, security protocols and a site induction program.
8.	<p>Within 20 business days of the final investment decision to proceed with the proposed action, the proponent must submit to the Minister for approval:</p> <p>a. a Curtis Island environment protection code of conduct for the construction workforce while on site and while travelling to and from the mainland and the construction site; and</p> <p>b. a code of conduct implementation strategy for enforcing compliance with the Curtis Island environment protection code of conduct.</p>	Completed	Compliant – the final investment decision on the QCLNG project was made on 26 June 2010. The environment protection code of conduct and associated implementation strategy were submitted for Ministerial approval on 20 September 2010. The Minister approved the code and strategy on 19 January 2011.
9.	The code of conduct shall include, but not necessarily be limited to, the requirements set out in conditions 3, 4, 5 and 6.	Completed	Compliant – the code of conduct includes the requirements set out in conditions 3 to 7 and has been approved by the Minister.
10.	<p>The approved Curtis Island environment protection code of conduct must be implemented.</p> <p>Note 1: Pending approval. of the Curtis Island environment protection code of conduct, the revised draft code of conduct was submitted to DSEWPaC (now DoEE) on 8 October 2010, is to apply and the proponent must allow no more than 100 persons at anyone time to enter and remain on the site of the proposed LNG plant and associated infrastructure on Curtis Island.</p>	Activated	Compliant – the approved environment protection code of conduct is being implemented on Curtis Island. Regular field inspections are conducted to monitor implementation of the code.

11.	At least 60 business days before the commissioning of the first LNG train, the proponent must review, and if necessary revise, the Curtis Island environment protection code of conduct and implementation strategy and provide the Minister with evidence that this review has been carried out. If the Curtis Island environment protection code of conduct and/or implementation strategy are revised, the revised document or documents must be submitted to the Minister for approval within 20 business days of the review being finalised. Once the Minister has approved in writing the revised code of conduct and/or implementation strategy, the approved code of conduct and/or implementation strategy must be implemented.	Completed	Compliant – On 30 October 2013, QGC advised the Department that a review of the QCLNG Project Work Rules and Code of Conduct had been completed. The review concluded that the document managed the workforce on site appropriately and covers all necessary activities.
Plan to secure and manage environmental offsets			
12.	An Environmental Offsets Plan to offset the loss of habitat and associated World Heritage and National Heritage values caused by the construction and operation of the LNG facility must be developed.	Completed	The Environment Offsets Plan was approved by the Minister on 27 September 2013.
13.	The Plan must address, but not necessarily be limited to, impacts on vegetation, biodiversity and landscape aesthetics arising from: <ul style="list-style-type: none"> a. the development and operation of the LNG facility; b. other activities on Curtis Island that are associated with the LNG Facility (including workers' accommodation facilities, port works for the project, and ancillary works); and c. increased risks to biodiversity values of the World Heritage and National Heritage property arising from increased shipping movements and other subsequent or indirect impacts beyond the immediate development site such as water quality impacts and increased recreational access arising from the development and operation of the LNG facility. 	Completed	Compliant – the plan approved by the Minister on 27 September 2013 addresses the matters detailed in this condition.
14.	The Plan must detail: <ul style="list-style-type: none"> a. the principles adopted in the Plan. These principles must reflect the objective of identifying, protecting, conserving, presenting, transmitting to future generations and, if necessary, rehabilitating, the World 	Completed	Compliant – The plan approved by the Minister on 27 September 2013 addresses the matters detailed in this condition.

	<p>Heritage and National Heritage values of the Great Barrier Reef property;</p> <ul style="list-style-type: none"> b. the predicted total loss (in extent and type) of areas of ecological and aesthetic value, (including remnant vegetation, high value regrowth, significant conservation species, habitat, biodiversity corridors, scenic vistas of outstanding natural beauty); c. the methodology for identifying the requirements for environmental offsets for specific components of the LNG Facility over the life of the project d. relevance to any Commonwealth or State government requirements for offsets e. in relation to any land retained at the time of preparation of the Plan, the location, size and environmental values of the offsets (land); f. in relation to any land retained at the time of preparation of the Plan, the management measures, including funding, required to secure, maintain and enhance the values of the proposed offset (land); and g. a system for reporting to the Minister on offset arrangements, their management and how offset values are being maintained 		
15.	<p>The Environmental Offsets Plan must as a minimum include: to offset direct impacts, the securing by the proponent of an offset property:</p> <ul style="list-style-type: none"> a. that contains attributes or characteristics at least corresponding with those of the LNG facility site; and b. at a ratio of no less than 5:1 of the LNG facility site area (that is, a property of at least 1,375 ha in total area); c. commitment by the proponent must use its best endeavours to secure National Park status for the offset property. At a minimum the proponent must ensure the retention and management for conservation purposes, under a secure permanent land tenure arrangement, of the offset property. 	Completed	Compliant – The plan approved by the Minister on 27 September 2013 addresses the matters detailed in this condition.

	<ul style="list-style-type: none"> d. to offset indirect impacts, a strategy for contributions to field management and visitor awareness of the Great Barrier Reef World Heritage Area. The strategy must: e. provide for activities to support field management to address the increased pressures on the Great Barrier Reef World Heritage Area, including but not limited to, pressures on populations of vulnerable species, increased risks from shipping and increased use of. the Area; f. be developed in consultation with the Great Barrier Reef Marine Park Authority, to give priority to objectives for the protection of the Great Barrier Reef Marine Park and World Heritage Area identified (from time to time), which may include (without limitation) patrols, support for incident response planning and preparedness, data collection, and assistance in visitor management; g. (provide for the submission of periodic reports to the Great Barrier Reef Marine Park Authority on the activities conducted; h. provide for a budget of at least \$200,000 per annum for the life of the project (indexed at CPI) and in addition \$100,000 per annum (indexed at CPI) for each operating LNG Train (commencing on commissioning of the relevant Train) to support implementation of the strategy. <p>Note 1: For clarity, contributions or offsets negotiated with the Queensland Government with respect to the LNG Facility site (e.g. including under the Environmental Management Precinct Agreement) may, in whole or in part, meet the requirements of condition 15(a).</p> <p>Note 2: A Plan which sufficiently addresses the requirements of condition 15 will be "considered to meet the purposes of the Plan as described in condition 13.</p>		
16.	Subject to condition 17, any property that is purchased or otherwise retained under a secure land tenure arrangement for the purposes of the Environmental Offsets Plan must be located within the Great Barrier Reef World Heritage Area, preferably on Curtis island or nearby.	Completed	Compliant – The plan approved by the Minister on 27 September 2013 addresses the matters detailed in this condition.

17.	If, within the Great Barrier Reef World Heritage Area, no area of land containing attributes or characteristics at least corresponding with those of the LNG facility site can be secured and protected in the manner described in condition 15 within 24 months of the Minister's approval of this project, an alternative proposal and timetable for acquiring (by purchase, lease or otherwise) property other than in the GBRWHA must be provided to the Minister for approval in writing.	Not activated	The Monte Christo Offset Proposal located in the Great Barrier Reef World Heritage Area was accepted and approved by the Minister on 27 September 2013.
18.	To avoid doubt, the offset required under condition 15 is additional to any similar offset required under an EPBC Act condition of approval for another proponent for an LNG facility on Curtis Island.	Completed	Noted.
Environmental Offsets Plan			
19.	<p>Within 6 months of the final investment decision to proceed with the proposed action, the Environmental Offsets Plan must be submitted in writing for the approval of the Minister. The approved plan must be implemented.</p> <p><i>Note: To avoid doubt, The Environmental Offsets Plan, or components of it, may be prepared and implemented in consultation with the Gladstone Ports Corporation or other bodies.</i></p>	Completed	<p>Compliant – the plan was submitted within the required timeframe and is currently being implemented.</p> <p><i>Note: The Plan has resulted in handover of the property to Queensland Parks and Wildlife Services.</i></p>
Construction and operation environmental management requirements and plans			
20.	At least one week before the commencement of clearance of native vegetation associated with the construction and operation of the LNG facility, the proponent must undertake preclearance surveys to verify the presence or absence of listed ecological communities, listed threatened species, listed migratory species, their habitat, and species identified as contributing to the World Heritage and National Heritage values of the Great Barrier Reef World Heritage Area.	Completed	<p>Compliant – Pre-clearance surveys were completed at least one week before the commencement of clearing. Survey reports have been compiled as per the conditions.</p> <p>Commencement is defined under this approval as “substantial commencement of construction of the proposed LNG Facility... Commencement does not include minor physical disturbance necessary to undertake pre-clearance surveys, to establish monitoring programs or associated with mobilisation of plant, equipment, materials, machinery and personnel prior to the start of construction of the LNG facility.</p>
21.	<p>Pre-clearance surveys must:</p> <p>a. be undertaken consistent with the Department's survey guidelines in effect at the time of the survey. This information can be obtained from</p>	Completed	Compliant – Pre-clearance surveys were completed in accordance with the Department’s survey guidelines.

	<p>http://www.environment.gov.au/epbc/guidelines-policies.html#threatened;</p> <ul style="list-style-type: none"> b. take account and reference previous ecological surveys undertaken by the proponent for the area and relevant new information on likely presence or absence of MNES; c. be undertaken by a suitably qualified ecologist approved in writing by the Department; d. document the survey methodology, targeted species and ecological communities, results and significant findings in relation to MNES; and e. apply best practice site assessment and ecological survey methods appropriate for each listed threatened species, listed migratory species, their habitat, and listed ecological communities. Pre-clearance survey reports (which document the methods used and the results obtained) must be published by the proponent on the internet before commencement and provided to the Department on request. 		<p>Ecologists doing the surveys were approved in writing by the Minister on 28 October 2010.</p> <p>Survey reports have been prepared and are available on the QGC website at: http://www.shell.com.au/about-us/projects-and-locations/qgc/environment/environment-management/pre-clearance-surveys.html</p>
22.	<p>If a listed threatened species or migratory species or their habitat, is found during the verification surveys undertaken as required by condition 2, and is not specified in conditions 32-39 inclusive, the proponent must submit a separate management plan for each such species, ecological community or 'other MNES, to manage the impacts of construction and operation of the LNG facility. Each such plan must be submitted before the commencement of construction of the LNG facility. Each plan must include:</p> <ul style="list-style-type: none"> a map of the location of species or species habitat in relation to the LNG Facility and its associated infrastructure; a description of the measures that will be employed to avoid impact on the species or species habitat; and where impacts are unavoidable, and if an impacted species is not specified in conditions 32-39 inclusive, propose offsets to compensate for the impact on the population or impact on the species habitat 	Not Activated	Compliant – No listed threatened species, migratory species or their respective habitats not specified in conditions 32-39 or covered by the Migratory Shorebirds Management Plan were found during verification surveys.
23.	Before commencement the proponent must prepare a Construction Environmental Management Plan (CEMP). The CEMP may be submitted in stages	Completed	Compliant – the Construction Environmental Management Plan (CEMP) was submitted to the Department on 21

	(Staged CEMP) in which case commencement of a stage covered by the staged CEMP cannot commence until submitted and approved by the Minister		December 2010 and was approved by the Minister on 13 January 2011.
24.	<p>The CEMP must address, but not necessarily be limited to, an identification of all activities with potential to adversely impact on MNES proposed to be undertaken during the construction of LNG facilities, including the construction camp and supporting facilities. The CEMP must include:</p> <ul style="list-style-type: none"> a. design plans showing the type and extent of the works proposed; b. a construction schedule and methodology, including plans and maps showing discharge points and emission controls for all construction stages; c. an environmental monitoring and a sampling program which details baseline data collection and provides the basis for ongoing monitoring of specified parameters for the construction and operational phases, including appropriate triggers for mitigation and cessation of works; d. any potential impacts or effects of the proposed works on the environment during both the construction and operational phases and the means by which adverse impacts will be avoided or mitigated; e. details of the sewage treatment plant and desalination plant, including: f. design and operational performance information for sewage treatment and desalination (including acoustic performance of pumps and other machinery); g. design and operational performance information for any outfalls and diffusers for emissions, including liquid and solid emissions into Port Curtis including detailed analysis of existing water quality, effluent contaminants, acute and chronic toxic effects of contaminants on fauna and flora and any long term ecological effects from outfalls and emissions; h. a detailed description of impacts from the discharge of treated sewage and brine. Source water quality data and characteristics of additives must be provided, and the disposal methods to be used must be described in the plan. The information must be used to determine the 	Completed	<p>Compliant – the CEMP approved by the Minister on 13 January 2011 addresses the matters listed in this condition.</p> <p>In October 2012 QGC entered into an agreement with the Gladstone Area Water Board to have potable water provided via pipeline to the QCLNG construction project from the local Gladstone water supply. Following implementation of these agreements, QGC will not complete construction of, or operate, the reverse osmosis (RO) desalination plant and the sewage treatment plant (STP). Consequently, there will be no discharge to the marine environment of reverse osmosis reject water or treated sewage water that would trigger condition 24 (e).</p> <p>Revision of the CEMP was not required during the reporting period.</p>

	<p>site specific mitigation measures proposed, including monitoring and reporting regimes;</p> <ul style="list-style-type: none"> i. information on the eco-toxicity of effluent at the point of release, in the mixing zone and cumulative impacts of contaminants in the marine ecosystem over time; j. the assumptions, adequacy and limitations of any modelling used to predict the dimensions and duration of the mixing zone. k. details on any other plant, equipment or activities that involve emissions to the environment, including: <ul style="list-style-type: none"> l. a description of the plant, equipment or activities; m. design and operational performance information plant, equipment or activities; and n. the potential for unforeseen or accidental incidents and proposed responses to these incidents. o. a detailed list of waste streams including their handling, treatment and disposal arrangements; p. the environmental protection commitments proposed for the activities (including all associated accommodation and recreation activities on the Island) to protect the environmental values under best practice environmental management; q. a rehabilitation program for land proposed to be disturbed during construction of all infrastructure (including associated accommodation and recreation activities) on Curtis Island; r. details of a response plan, with appropriate triggers, which will be initiated in response to any significant impacts on the environment from the works; and s. identification and characterisation of all wastes and emissions produced by the LNG Facility and its associated support infrastructure including its source, handling, treatment, disposal or release to the environment. 		
25.	The CEMP, or a stage of the CEMP, must be submitted for the approval of the Minister. Commencement of the action to which the staged CEMP relates must	Completed	Compliant – activities on Curtis Island did not commence (as defined) before approval of the CEMP by the Minister.

	not occur without the approval in writing of the Minister of the CEMP. The approved plan must be implemented.		
26.	Before the commissioning of the first LNG train, an Operational Environmental Management Plan (OEMP) must be prepared.	Completed	Compliant – an OEMP was prepared and submitted to the Department on 7 November 2013. It was subsequently approved by a delegate of the Minister on 13 December 2013.
27.	The OEMP must address the matters required to be included in the CEMP while incorporating changes and any additions the proponent believes are necessary to reflect the shift from the construction phase to the operational phase.	Activated	Compliant – the OEMP addresses the matters required to be included in the CEMP.
28.	The OEMP must be submitted for the approval of the Minister. Commissioning of the first LNG train must not occur without the approval in writing of the Minister. The approved plan must be implemented. Note: To avoid doubt, if a condition of another approval held by the, proponent requires a Construction Environmental Management Plan and/or Operational Environmental Management Plan, the proponent may simultaneously meet the relevant requirements of both conditions by submitting a single plan.	Activated	Compliant – the OEMP was submitted to the Department on 7 November 2013 and approved by a delegate of the Minister on 13 December 2013.
Discharge of sewage effluent			
29.	Any discharge of treated sewage effluent into the waters surrounding Curtis Island must, at a minimum, meet the definition of tertiary treatment as specified in section 135(3) of the Great Barrier Reef Marine Park Regulations 1983 and be in accord with GBRMPA Sewage Discharge Policy March 2005, unless studies required to develop the CEMP under conditions 23 and 24 indicate that more stringent pollutant limits are necessary.	Not Activated	Compliant – There has been no discharge of treated sewage into the waters surrounding Curtis Island during the Reporting Period. All sewage will be transported to the Gladstone Regional Council sewage treatment plant by sub-sea pipeline during Operations.
Quarantine Management Plan			
30.	Before the commencement of construction of the LNG facility, the proponent must prepare a Quarantine Management Plan (QMP). The objectives of the QMP are to prevent the introduction of non-endemic species on to Curtis Island. The QMP must include measures to: <ul style="list-style-type: none"> a. detect pests and weeds, and prevent weed introduction and/or proliferation; 	Activated	Compliant – The Quarantine Management Plan (QMP) was submitted to the Department as part of the CEMP on 21 December 2010 before commencement of construction.

	<ul style="list-style-type: none"> b. control and, unless otherwise determined by the relevant State authorities, eradicate detected non-indigenous terrestrial species (including weeds); c. mitigate adverse impacts of any control and eradication actions on indigenous species taken against detected pests and weeds; d. assess risk, manage supply chains, and manage and inspect vessels; e. mitigate any pest or weed impacts; f. report and record any quarantine incidents; g. identify performance standards to be achieved by the QMP; and h. undertake a review of the QMP and identify the need for any further studies. i. Note: To avoid doubt, the QMP may be submitted in stages, for example to cover the period prior to any planned direct arrival at the MOF of international imports, and after this time. 		
31.	<p>The QMP must be submitted for the approval of the Minister. Commencement must not occur without the approval in writing of the Minister. The approved Plan must be implemented.</p> <p>Note: To avoid doubt, if a condition of another approval held by the proponent requires a Quarantine Management Plan, the proponent may simultaneously meet the relevant requirements of both conditions by submitting a single plan. The plan, or components thereof, may also be prepared and implemented in consultation with the Gladstone Ports Corporation or other bodies.</p>	Activated	<p>Compliant – The QMP was submitted for approval of the Minister on 21 December 2010 as part of the CEMP. The Minister approved the plan on 13 January 2011.</p> <p>No further international shipments to Curtis Island are expected.</p>
Environmental Management Plan – Water Mouse (<i>Xeromys myoides</i>)			
32.	<p>To protect the Water Mouse (<i>Xeromys myoides</i>), the proponent must submit to the Minister an Environmental Management Plan (the Water Mouse Environmental Management Plan) which must include:</p> <ul style="list-style-type: none"> j. results of a pre-clearance survey undertaken at the appropriate time and season for the species; k. a map of the location of potential habitat for the Water Mouse in proximity to marine facilities; 	Activated	<p>Compliant – The Water Mouse Environment Management Plan was submitted to the Department on 20 September 2010. A second revision of the plan, addressing comments from the Minister, was submitted on 24 November 2010 and was approved on 28 January 2011.</p> <p>The last revision of Water Mouse Environment Management Plan was submitted to the DoE on 26 June</p>

	<ul style="list-style-type: none"> l. measures that will be employed to avoid impacts on the Water Mouse or its potential habitat; and m. if impacts on the Water Mouse or its potential habitat are unavoidable, propose offsets to compensate for the impacts. n. Note: To avoid doubt, if a condition of another approval held by the proponent requires a Water Mouse Environmental Management Plan, the proponent may simultaneously meet the relevant requirements of both conditions by submitting a single plan. The plan may also be prepared in consultation with the Gladstone Ports Corporation in accordance with conditions imposed for the Gladstone Western Basin Dredging and Disposal Project (EPBC 2009/4904). 		<p>2013 and approved on 26 July 2013 (QCLNG-AUS-PMT-ENV-PLN-0675).</p> <p>Offsets for any unavoidable impacts on the water mouse or its potential habitat are addressed in the Offset Plan approved by the Minister on 27 September 2013.</p>
33.	The Water Mouse Environmental Management Plan must be submitted for the approval of the Minister within 6 months of this Approval. The plan must be implemented.	Completed	<p>Compliant – The last revision of Water Mouse Environment Management Plan was submitted to the Department on 26 June 2013 (QCLNG-AUS-PMT-ENV-PLN-0675).</p> <p>Approval from the Minister was received on 26 July 2013</p> <p>The plan has been implemented.</p>
Long-term Marine Turtle Management Plan			
34.	<p>Within six months of this approval, the proponent must</p> <ul style="list-style-type: none"> a. contribute an initial amount of \$150000 towards preparation of a long term marine turtle management plan; and b. participate in industry wide discussions with the Gladstone Ports Corporation and other port users (including LNG proponents) with a view to establishing a long term marine turtle management plan and future funding requirements for the plan. 	Activated	<p>Compliant – QGC has provided about A\$1 million to the Gladstone Ports Corporation under its Ecosystem Research Management Plan (ERMP) and associated environmental programs. The ERMP considers issues including long-term turtle management.</p> <p>(a) The payment provided exceeds the A\$150,000 required by Condition 34.</p> <p>(b) QGC has participated in industry wide discussions with other stakeholders including LNG proponents.</p>

35.	If terms of the Long Term Marine Turtle Management Plan cannot be agreed on an industry wide basis (within the Port of Gladstone) within six months of this approval, then the proponent must prepare a long term marine turtle management plan in consultation with other LNG proponents who have confirmed an intention to establish an LNG Facility on Curtis Island	Activated	Compliant – The LNG proponents submitted the joint Long-Term Marine Turtle Management Plan (LTTMP) to the Department on 15 February 2013.
36.	<p>The plan (in either case referred to in 34 and 35 above), must include:</p> <ul style="list-style-type: none"> a. a program to establish comprehensive baseline information on populations of marine turtles that utilise the beaches and nearby waters of Curtis and Facing Island (including the Green Turtle <i>Chelonia mydas</i>, the Loggerhead Turtle <i>Caretta</i>, and the Flatback Turtle <i>Natator depressus</i>); b. a monitoring program to measure and detect changes to the marine turtle populations over a period of at least 10 years from commencement of the program. Monitoring methods must have the ability to detect changes at a statistical power of 0.8, or an alternative statistical power as determined in writing by the Minister c. the identification of significant activities relating to the construction and operation of LNG facilities (or in the case of an industry wide plan, activities within the Port of Gladstone) with the potential to cause adverse impacts on marine turtles; d. management measures including operating controls and design features to help manage and avoid adverse impacts to marine turtles shown to be adversely impacted by LNG operations (or in the case of an industry wide plan, activities conducted within the Port of Gladstone). In relation to the LNG operations, management measures will include any reasonable and practicable measures found necessary or desirable to minimise disturbance to marine turtles from gas flaring, and from lighting of the LNG plant and ships' moored at the loading berth (except where the adoption of measures would be in contravention of health and safety legislative requirements). e. Identification of annual contributions by the proponent, other LNG proponents who have confirmed an intention to establish an LNG 	Activated	Compliant – The submitted Long-Term Marine Turtle Management Plan addresses all requirements of this condition.

	Facility on Curtis Island and, in the case of an industry wide plan, contributions by other port users.		
37.	The Turtle Management Plan must be submitted for the approval of the Minister at least 3 months before the planned date of the commissioning of the first LNG train. The approved Plan must be implemented	Activated	Compliant – the Turtle Management Plan was submitted for approval of the Minister 15 February 2013, at least 3 months before commissioning of the first LNG train. The plan was approved on 2 July 2014 and is currently being implemented.
38.	Within 60 days of each anniversary of the approval of the plan the proponent must provide a review report ("the Report") of the effectiveness of the management measures and operating controls directed at avoiding impacts on the marine turtle species. Note: The review report may be provided by the Gladstone Ports Corporation or another entity on behalf of the proponent	Activated	Compliant – a review report was provided to the Department 24 August 2017 summarising the effectiveness of the Turtle Management Plan in avoiding impacts on marine turtle species.
39.	If an impact on any of the marine turtle species is identified, the report must recommend improvements to the conduct of those operations and activities which are found to have a causal connection with the identified impact, and provide the report to the Minister in writing within 30 days of identifying the impact. The Minister may require improvements to be implemented. Note: To avoid doubt, if a condition of another approval held by the proponent requires a Turtle Management Plan, the proponent may simultaneously meet the relevant requirements of both conditions by submitting a single plan. The plan may also be prepared and implemented in consultation with the Gladstone-Ports Corporation or other bodies.	Not activated	Noted.
Decommissioning Plan			
40.	Unless the proponent advises the Department that it cannot decommission the site because of lawful continuing use rights by a third party (that might include the State of Queensland), at least five years before the planned date of cessation of operations of the LNG Facility and associated infrastructure on Curtis Island the proponent must develop a Decommissioning Plan. The Plan must:	Not activated	This condition has not yet been triggered.

	<ul style="list-style-type: none"> a. ensure that, following the cessation of operations at the LNG Facility and associated infrastructure on Curtis Island, decommissioning arrangements are prepared; b. define a timetable for the future implementation of decommissioning including for: c. the removal of remnant infrastructure and works that interfere with natural coastal processes, and human recreational and commercial activities; d. the return of sediment levels and water quality in the immediate area of the LNG Facility to pre-construction background levels; and e. the rehabilitation of the LNG facility and associated sites to their natural state, and their ongoing management during rehabilitation. 		
41.	If decommissioning does not commence on the date proposed in the initial Decommissioning Plan, the proponent must review the decommissioning plan before each subsequent third anniversary of the date of the submission of the initial decommissioning plan over the operational life of the LNG facility. The proponent must advise the Minister in writing of the outcomes of this review, including any proposed changes to the decommissioning plan. Any proposed changes to the decommissioning plan must be approved in writing by the Minister	Not activated	This condition has not yet been triggered.
42.	The Decommissioning Plan must be submitted for the approval of the Minister. Decommissioning must not occur without approval of the Minister. Subject to condition 40 the approved Plan must be implemented on decommissioning	Not activated	This condition has not yet been triggered.
Notification of commencement			
43.	Within 20 business days of commencement of the action, the proponent must advise the Department in writing of the actual date of commencement.	Completed	Compliant – The Department was notified on 8 February 2011 that the action commenced on 14 January 2011.
44.	If, at any time after five years from the date of this approval, the Minister notifies the proponent in writing that the Minister is not satisfied that there has been commencement of the action, the action must not commence without the written agreement of the Minister.	Not activated	Compliant – The action has commenced within 5 years of the date of approval.
Request for variation of plans by proponent			



45.	If the proponent wants to act other than in accordance with a plan approved by the Minister under these conditions, the proponent must submit a revised plan for the Minister's approval.	Not activated	Compliant – QGC has not requested any variation to Management Plans during the reporting period.
46.	If the Minister approves a revised plan, then that plan must be implemented instead of the plan originally approved.	Activated	Compliant – Revised plans are implemented on approval.
47.	Until the Minister has approved the revised plan, the proponent must continue to implement the original plan	Activated	Compliant – Only approved plans are implemented on site.
Revisions to Plans by the Minister			
48.	If the Minister believes that it is necessary or desirable for the better protection of a relevant controlling provision for the action, the Minister may request the proponent to make, within a period specified by the Minister, specified revisions to a plan approved by the Minister under these conditions	Not activated	Compliant – QGC is not aware of a request from the Minister to revise approved plans during the Reporting Period.
49.	If the Minister makes a request for revisions to a plan, the proponent must: <ul style="list-style-type: none"> a. comply with that request; and b. submit the revised plan to the Minister for approval within the period specified in the request. 	Not activated	Compliant – QGC is not aware of a request from the Minister to revise approved plans during the Reporting Period.
50.	The proponent must implement the revised plan, on written approval of the Minister	Not activated	Compliant – QGC is not aware of a request from the Minister to revise approved plans during the Reporting Period.
51.	Until the Minister has approved the revised plan, the proponent must continue to implement the original plan	Not activated	Compliant – QGC is not aware of a request from the Minister to revise approved plans during the Reporting Period.
Minimum timeframes for consideration of plans			
52.	For any plan required to be approved by the Minister under these conditions, the proponent must ensure the Minister is provided at least 20 business days for review and consideration of any plan, unless otherwise agreed in writing between the proponent and the Minister	Not activated	Compliant – No variation to this condition has been requested.

Compliance with State environmental and other authorities			
53.	The proponent must comply with all environmental authorisations issued by the State, including conditions of an environmental authority issued under the EP Act	Activated	All instances of potential non-compliance with conditions of the EA for the reporting period were reported to the Queensland Department of Environment and Heritage Protection (DEHP) and the Department.
Provision of State plans			
54.	If a condition of a State approval requires the proponent to provide a plan then the proponent must also provide the plan to the Department or Minister on request, within the period specified in the request.	Noted	Compliant – QGC is not aware of a request from the Minister to provide the plans.
Timeframes			
55.	If these conditions require the proponent to provide something by a specified time, a longer period may be specified in writing by the Minister.	Noted	Noted.
Auditing			
56.	On the request of and within a period specified by the Department, the proponent must ensure that: <ul style="list-style-type: none"> a. an independent audit of compliance with these conditions is conducted; and b. an audit report, which addresses the audit criteria to the satisfaction of the Department, c. is published on the Internet and submitted to the Department 	Not activated	Compliant – QGC has not received any request for an independent audit of compliance with approval conditions.
57.	Before the audit begins, the following must be approved by the Department: <ul style="list-style-type: none"> a. the independent auditor; and b. the audit criteria 	Not activated	Compliant – QGC has not received any request for an independent audit of compliance with approval conditions.
58.	The audit report must include: <ul style="list-style-type: none"> a. the components of the project being audited; b. the conditions that were activated during the period covered by the audit; c. a compliance/non-compliance table; 	Not activated	Compliant – QGC has not received any request for an independent audit of compliance with approval conditions.

	<ul style="list-style-type: none"> d. a description of the evidence to support audit findings of compliance or non-compliance; e. recommendations on any non-compliance or other matter to improve compliance; f. a response by the proponent to the recommendations in the report (or, if the proponent does not respond within 20 business days of a request to do so by the auditor, a statement by the auditor to that effect); g. certification by the independent auditor of the findings of the audit report 		
59.	The financial cost of the audit will be borne by the proponent.	Not activated	Compliant – QGC has not received any request for an independent audit of compliance with approval conditions
60.	<p>The proponent must:</p> <ul style="list-style-type: none"> a. implement any recommendations in the audit report, as directed in writing by the Department; b. investigate any non-compliance identified in the audit report; and c. if non-compliance is identified in the audit report - take action as soon as practicable to ensure compliance with these conditions. 	Not activated	Compliant – QGC has not received any request for an independent audit of compliance with approval conditions
61.	<p>If the audit report identifies any non-compliance with the conditions, within 20 business days after the audit report is submitted to the Department the proponent must provide written advice to the Minister setting out the:</p> <ul style="list-style-type: none"> a. actions taken by the proponent to ensure compliance with these conditions; and b. actions taken to prevent a recurrence of any non-compliance, or implement any other recommendation to improve compliance, identified in the audit report. <p>Note: To avoid doubt, independent third party auditing may include audit other proponent's performance against the requirements of any plan required under these conditions.</p>	Not activated	Compliant – QGC has not received any request for an independent audit of compliance with approval conditions
Reporting non-compliance			

62.	<p>The proponent must, when first aware of a non-compliance of any condition of this approval, or a plan required to be approved by the Minister under these conditions:</p> <ul style="list-style-type: none"> a. report the non-compliance and remedial action to the Department within five business days; and b. bring the matter into compliance within a reasonable timeframe agreed to, in writing by the Department. 	Activated	Compliant – QGC notified all instances of potential non-compliance with conditions of the approval to the Department.
Record-keeping			
63.	<p>The proponent must:</p> <ul style="list-style-type: none"> a. maintain accurate records substantiating all activities associated with or relevant to these conditions of approval, including measures taken to implement a plan approved by the Minister under these conditions; and b. make those records available on request to the Department. Such records may be subject to audit by the Department or an independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with these conditions of approval. <p>Note: Summaries of audits carried out under these conditions, or under section 458 of the EPBC Act, will be posted on the Department's website. The results of such audits may also be publicised through the general media.</p>	Activated	<p>Compliant – accurate records, including measures taken to implement approved plans under conditions are kept at QGC head office.</p> <p>No request has been received by QGC during the Reporting Period.</p>
Financial assurance			
64.	<p>The proponent must:</p> <ul style="list-style-type: none"> a. provide the Minister with a financial assurance in the amount and form required from time to time by the Minister for activities to which these conditions apply; and b. review and maintain the amount of financial assurance based on proponent reporting on compliance with these conditions, and any auditing of the activities. 	Not activated	Compliant – QGC has not received a request from the Minister to provide financial assurance during the reporting year.
65.	The financial assurance is to remain in force until the Minister is satisfied that no claim is likely to be made on the assurance.	Not activated	Noted.



	Note: The financial assurance may be used for rehabilitation of habitat and other purposes not addressed adequately by the proponent during the life of the project.		
Annual Environmental Return			
66.	The proponent must produce an Annual Environmental Return which <ul style="list-style-type: none"> a. addresses compliance with these conditions; b. records any unavoidable adverse impacts on MNES, mitigation measures applied to avoid adverse impacts on MNES; and any rehabilitation work undertaken in connection with any unavoidable adverse impacts on MNES; c. identifies all non-compliances with these conditions d. identifies any amendments needed to plans to achieve compliance with these conditions. 	Activated	Compliant – This document satisfies this condition. QGC has not identified any unavoidable adverse impacts on MNES during the Reporting Period and has continued to implement the measures detailed in the CEMP and OEMP to avoid any such impacts.
67.	The proponent must publish the Annual Environmental Return on its website within 20 calendar days of each anniversary date of this approval. In complying with this publication requirement, the proponent must ensure that it has obtained relevant rights in relation to confidentiality and intellectual property rights of third parties.	Activated	Compliant – This document will be published on the website.
Survey data			
68.	If requested by the Department, the proponent must provide all species and ecological survey data and relate survey information from ecological surveys undertaken for MNES. The data must be collected and recorded to conform to data standards notified from time to time by the Department	Not activated	Compliant – QGC has not received any request from the Department.
Publication of Plans			
69.	All plans approved by the Minister under these conditions must be published on the proponent's website within 30 business days of approval by the Minister.	Activated	Compliant – No plans requiring the Minister's approval have required publication during the reporting period.



70.	The Department may request the proponent to publish on the internet a plan in a specified location or format and with specified accompanying text. The proponent must comply with any such request.	Not activated	Compliant – QGC has not received any request from the Department.
Dictionary			
71.	<p>In these conditions, unless otherwise indicated:</p> <p>CEMP means the Construction Environmental Management Plan developed as required under conditions 22 to 24.</p> <p>Conditions means these conditions attached to the approval of the action;</p> <p>Commencement means the substantial commencement of construction of the proposed LNG Facility as described in referral EPBC 2008/4402, received under the EPBC Act on 18 August 2008. Commencement does not include minor physical disturbance necessary to undertake pre-clearance surveys, to establish monitoring programs or associated with mobilisation of plant, equipment, materials, machinery and personnel prior to start of construction of the LNG facility.</p> <p>Commissioning means the point at which, following completion of the construction of the first LNG train, it is tested to verify if it functions according to its design objectives or specifications.</p> <p>Construction workforce means both personnel directly employed by the proponent and subcontracted personnel engaged on-site during the construction of the LNG facility, including associated works and infrastructure.</p> <p>Department means the Australian Government department responsible for administering Part 4 of the EPBC Act;</p> <p>EPBC Act means the Commonwealth Environment Protection and Biodiversity Conservation Act 1999;</p> <p>Minister means the Minister responsible for Chapter 4 of the EPBC Act, and may include a delegate of the Minister under s.133 of the EPBC Act;</p> <p>MNES means one or more matters of national environmental significance under the EPBC Act that are included within the controlling provisions determined by the Minister for the action.</p>	Noted	

	<p>OEMP means the Operational Environmental Management Plan developed as required under conditions 25 to 27.</p> <p>Plan includes a report, study, plan, or strategy (however described);</p> <p>Proponent means the person to whom the approval is granted, and includes any person acting on behalf of the proponent.</p> <p>QMP means the Quarantine Management Plan developed as required under conditions 29 to 30.</p> <p>Referral means a referral under the EPBC Act including any variation of the referral.</p> <p>Vessel operators means operators (whether or not employed by the proponent), and their employees, responsible for operating vessels travelling from the mainland to Curtis Island during the pre-clearance survey, construction, and operating phases of the LNG facility.</p>		
72.	<p>Unless the contrary is indicated, words in these conditions have the same meaning as in (the following order of priority)</p> <ol style="list-style-type: none"> a. the EPBC Act; and b. the EP Act. 	Noted	
73.	<p>Unless the contrary is indicated, in these conditions:</p> <ol style="list-style-type: none"> a. words in the singular number include the plural and words in the plural number include the singular; and b. condition headings are inserted for convenient reference only and have no effect in limiting or extending the language of condition to which they refer. 	Noted	