

QGC MIDSTREAM | ENVIRONMENTAL ANNUAL RETURN

EPBC 2008/4402 – LNG PLANT AND ONSHORE FACILITIES

SCOPE AND APPLICATION

This document is QGC's Annual return for addressing compliance with conditions of approval, EPBC 2008/4402 – LNG Plant and Onshore Activities for the period from 22 October 2018 to 21 October 2019 (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.

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1.0 BACKGROUND

1.1 The Queensland Curtis LNG Project

The Queensland Curtis Liquefied Natural Gas Project, referred to as QGC's LNG 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

QGC's LNG 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). QGC's LNG 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.

1.3 Scope

This document is QGC's Annual return for referral approval EPBC 2008/4402 – LNG Plant & Onshore Activities Components for the period from 22 October 2018 to 21 October 2019 inclusive (the Reporting Period). Compliance with Approvals EPBC 2008/4398, EPBC 2008/4401, EPBC 2008/4399 and EPBC 2008/4405 are addressed in separate reports. The purpose of this Report is to report on the status of compliance with each condition of referral approval EPBC 2008/4402.



2.0 REVIEW OF PROJECT ACTIVITIES DURING THE REPORTING PERIOD

QGC 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.

Compliance with the conditions of EPBC Approval 2008/4402 and any updates are set out in Appendix A.



APPENDIX A ASSESSMENT OF COMPLIANCE WITH CONDITIONS

CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
LNG FACILITY SITE			
1.	The LNG Facility site is the area outlined on the map at Figure 1.	The QGC LNG facility site is located within the area outlined in the map at Figure 1 of the approval.	Ongoing
VISUAL IMPACT			
2.	The proponent must minimise the visual impact of the construction and operation of the LNG Facility by: <ol style="list-style-type: none"> constructing the LNG Facility within the site identified in Figure 1; 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; 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 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. 	QGC confirm the following: <ol style="list-style-type: none"> The LNG Facility has been constructed within the site identified in Figure 1. The colour scheme applied to permanent buildings and structures is in accordance with the condition of the approval. However, temporary structures such as tents and temporary maintenance structures may not be available in the described colour palette. Site clearing was undertaken so as to minimise the level of tree clearing. Stabilisation and rehabilitation works was progressively implemented as each component of the LNG facility was completed. Lighting of the site has been designed to comply with this requirement. 	Ongoing
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.	These requirements are included in QGC's Biosecurity Manual (QCQGC-BX00-ENV-MAN-000002) and Project Work Rules and Code of Conduct. The Project Work Rules and Code of Conduct, including the implementation strategy, was approved by Department of the Environment (formally SEWPaC) on 19 January 2011. The Project Work Rules and Code of Conduct is available on the Environment page of the Shell Australia website located as follows:	Ongoing
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).		

CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
		https://www.shell.com.au/about-us/projects-and-locations/qgc/environment/environment-management/management-plans.html	
5.	<p>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.</p>	<p>There has been no unauthorised entry into the Curtis Island Environmental Management Precinct by construction workers, construction contractors and its employees during the reporting period. The construction phase of the project is complete.</p>	Fulfilled
6.	<p>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:</p> <ol style="list-style-type: none"> 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; 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 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 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>A full site induction that meets the requirements of this condition is provided to all employees of QGC and its subcontractors who are undertaking any work on Curtis Island. This induction training is a prerequisite to obtaining a site access card.</p> <p>A simple visitor site induction is also given to day visitors to Curtis Island which includes key aspects of the Project Work Rules and Code of Conduct.</p> <p>QCQGC-BX00-HSS-PCE-000055 QGC HSSE Induction Procedure</p>	Ongoing

CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
	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.		
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.		Ongoing
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>	The final investment decision on the QCLNG project was made on 26 June 2010. The Code of Conduct and associated implementation strategy were submitted for Ministerial approval on 20 September 2010. The Minister approved the Project Work Rules and Code of Conduct on 19 January 2011.	Fulfilled
9.	The code of conduct shall include, but not necessarily be limited to, the requirements set out in conditions 3, 4, 5 and 6.	The Project Work Rules and Code of Conduct includes the requirements set out in conditions 3 to 7 and has been approved by the Minister.	Ongoing
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>	The approved Project Work Rules and Code of Conduct has been implemented by QGC on Curtis Island.	Ongoing
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	On 30 October 2013, QGC advised the Department that a review of the Project Work Rules and Code of Conduct had been completed. The review concluded that the document managed the workforce on site	Fulfilled

CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
	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.	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.	The Environment Offsets Plan was approved by the Minister on 27 September 2013 addresses the requirements of these conditions.	Ongoing
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. 	The plan is available on the Environment page of the Shell Australia website located as follows: https://www.shell.com.au/about-us/projects-and-locations/qgc/environment/environment-management/management-plans.html	Ongoing
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 Heritage and National Heritage values of the Great Barrier Reef property; 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 		Ongoing

CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
	<ul style="list-style-type: none"> 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. 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, 		Ongoing

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	<p>support for incident response planning and preparedness, data collection, and assistance in visitor management;</p> <p>g. (provide for the submission of periodic reports to the Great Barrier Reef Marine Park Authority on the activities conducted;</p> <p>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> <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.		Fulfilled
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.	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.	Fulfilled
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.	QGC's LNG Facility Environmental Offsets Plan includes all commitments under Condition 15 of the approval, in addition to other approved offsets.	Fulfilled
ENVIRONMENTAL OFFSETS PLAN			
19.	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.	The plan was submitted within the required timeframe and the plan has been implemented by QGC.	Fulfilled

CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
	<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>	<p>The plan was approved by the Minister on 27 September 2013. LNG Facility Environmental Offsets Plan Queensland Curtis LNG QLNG-AUS-PMT-ENV-PLN-0936</p>	
CONSTRUCTION AND OPERATION ENVIRONMENTAL MANAGEMENT REQUIREMENTS AND PLANS			
20.	<p>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.</p>	<p>Pre-clearance surveys were completed at least one week before the commencement of clearing. Survey reports have been compiled as per the conditions. 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>	Fulfilled
21.	<p>Pre-clearance surveys must:</p> <ol style="list-style-type: none"> be undertaken consistent with the Department's survey guidelines in effect at the time of the survey. This information can be obtained from http://www.environment.gov.au/epbc/guidelines-policies.html#threatened; 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; be undertaken by a suitably qualified ecologist approved in writing by the Department; document the survey methodology, targeted species and ecological communities, results and significant findings in relation to MNES; and apply best practice site assessment and ecological survey methods appropriate for each listed threatened species, listed migratory species, their habitat, and listed ecological communities. 	<p>Pre-clearance surveys were completed in accordance with the Department's survey guidelines. Ecologists who undertook the surveys were approved in writing by the Minister on 28 October 2010. Pre-clearance survey reports were prepared and are available on the Environment page of the Shell Australia website located as follows: https://www.shell.com.au/about-us/projects-and-locations/qgc/environment/environment-management/pre-clearance-surveys.html</p>	Fulfilled

CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
	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.		
22.	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: 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	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.	Fulfilled
23.	Before commencement the proponent must prepare a Construction Environmental Management Plan (CEMP). The CEMP may be submitted in stages (Staged CEMP) in which case commencement of a stage covered by the staged CEMP cannot commence until submitted and approved by the Minister	The CEMP Plan was prepared and approved by Department on 13 January 2011 and fulfilled the requirements of Conditions 23-25 of EPBC Approval 2008/4402.	Fulfilled
24.	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: <ol style="list-style-type: none"> design plans showing the type and extent of the works proposed; a construction schedule and methodology, including plans and maps showing discharge points and emission controls for all construction stages; 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 	It should be noted that 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 was no discharge to the marine environment of reverse osmosis reject water or treated sewage water that would trigger condition 24 (e).	Fulfilled

CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
	<p>operational phases, including appropriate triggers for mitigation and cessation of works;</p> <p>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;</p> <p>e. details of the sewage treatment plant and desalination plant, including:</p> <p>f. design and operational performance information for sewage treatment and desalination (including acoustic performance of pumps and other machinery);</p> <p>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;</p> <p>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 site specific mitigation measures proposed, including monitoring and reporting regimes;</p> <p>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;</p> <p>j. the assumptions, adequacy and limitations of any modelling used to predict the dimensions and duration of the mixing zone.</p> <p>k. details on any other plant, equipment or activities that involve emissions to the environment, including:</p> <p>l. a description of the plant, equipment or activities;</p> <p>m. design and operational performance information plant, equipment or activities; and</p> <p>n. the potential for unforeseen or accidental incidents and proposed responses to these incidents.</p> <p>o. a detailed list of waste streams including their handling, treatment and disposal arrangements;</p>		

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	<p>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;</p> <p>q. a rehabilitation program for land proposed to be disturbed during construction of all infrastructure (including associated accommodation and recreation activities) on Curtis Island;</p> <p>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</p> <p>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.</p>		
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 not occur without the approval in writing of the Minister of the CEMP. The approved plan must be implemented.	Activities on Curtis Island did not commence (as defined) prior to the approval of the CEMP by the Minister on 13 January 2011.	Fulfilled
26.	Before the commissioning of the first LNG train, an Operational Environmental Management Plan (OEMP) must be prepared.	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.	Fulfilled
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.	The OEMP addresses the matters required to be included in the CEMP.	Fulfilled
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.	The OEMP was submitted to the Department on 7 November 2013, prior to the commissioning of the first LNG Train, and approved by a delegate of the Minister on 13 December 2013.	Fulfilled
DISCHARGE OF SEWAGE EFFLUENT			

CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
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.	There has been no discharge of treated sewage into the waters surrounding Curtis Island during the Reporting Period. All sewage is transported to the Gladstone Regional Council sewage treatment plant by sub-sea pipeline.	Not triggered
QUARANTINE MANAGEMENT PLAN			
30.	<p>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:</p> <ul style="list-style-type: none"> a. detect pests and weeds, and prevent weed introduction and/or proliferation; 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. 	<p>The Quarantine Management Plan (QMP) was submitted to the Department as part of the CEMP on 21 December 2010 prior to the commencement of construction. The Minister approved the plan on 13 January 2011.</p> <p>QGC updated the QMP to a Biosecurity Manual which was approved on 15 May 2018.</p>	Ongoing

CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
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>		Ongoing
ENVIRONMENTAL MANAGEMENT PLAN – WATER MOUSE (XEROMYS MYOIDES)			
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> <ol style="list-style-type: none"> results of a pre-clearance survey undertaken at the appropriate time and season for the species; a map of the location of potential habitat for the Water Mouse in proximity to marine facilities; measures that will be employed to avoid impacts on the Water Mouse or its potential habitat; and if impacts on the Water Mouse or its potential habitat are unavoidable, propose offsets to compensate for the impacts. <p>e. 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>	<p>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 on 26 June 2013 and approved on 26 July 2013 by the Department.</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> <p>In 2017 QGC reached agreement with the Department that all monitoring survey requirements for the water mouse were completed.</p>	Fulfilled
33.	<p>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.</p>	<p>The last revision of Water Mouse Environment Management Plan was submitted to the Department on 26 June 2013. Approval from the Minister was received on 26 July 2013.</p>	Fulfilled

CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
		The plan has been implemented.	
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. 	<p>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. The payment provided exceeds the A\$150,000 required by Condition 34. QGC has also participated in industry wide discussions with other stakeholders including LNG proponents.</p>	Fulfilled
35.	<p>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</p>	<p>The LNG proponents submitted the joint Long Term Turtle Management Plan (LTTMP) to the Department on 15 February 2013.</p>	Fulfilled
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; 	<p>The Long Term Turtle Management Plan (approved by the Minister on 3 August 2015) addresses all requirements of this condition.</p>	Fulfilled

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	<p>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).</p> <p>e. Identification of annual contributions by the proponent, other LNG proponents who have confirmed an intention to establish an LNG Facility on Curtis Island and, in the case of an industry wide plan, contributions by other port users.</p>		
37.	<p>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</p>	<p>The Long Term Turtle Management Plan was submitted for approval by 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.</p>	Fulfilled
38.	<p>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.</p> <p>Note: The review report may be provided by the Gladstone Ports Corporation or another entity on behalf of the proponent</p>	<p>A review report was provided to the Department in August 2018 summarising the effectiveness of the Turtle Management Plan in avoiding impacts on marine turtle species. The report concluded there was no evidence from the information available or from discussion with key stakeholders that the LNG facilities are having or have had a significant impact on marine turtles or their habitat and that the LTTMP management measures and operating controls have been effective at avoiding impacts to turtles.</p>	Fulfilled

CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
39.	<p>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.</p> <p>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.</p>	<p>The 2019 Long Term Turtle Management Plan Annual Report was issued by Eco Logical Australia in August.</p> <p>Submitted to DoEE on 29 August 2019</p>	Fulfilled
DECOMMISSIONING PLAN			
40.	<p>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:</p> <ol style="list-style-type: none"> ensure that, following the cessation of operations at the LNG Facility and associated infrastructure on Curtis Island, decommissioning arrangements are prepared; define a timetable for the future implementation of decommissioning including for: the removal of remnant infrastructure and works that interfere with natural coastal processes, and human recreational and commercial activities; the return of sediment levels and water quality in the immediate area of the LNG Facility to pre-construction background levels; and the rehabilitation of the LNG facility and associated sites to their natural state, and their ongoing management during rehabilitation. 	This condition has not yet been triggered.	Not triggered
41.	<p>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</p>	This condition has not yet been triggered.	Not triggered

CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
	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		
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	This condition has not yet been triggered.	Not 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.	The Department was notified on 8 February 2011 that the action commenced on 14 January 2011.	Fulfilled
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.	The action commenced within 5 years of the date of approval.	Fulfilled
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.	The following Management Plans were revised and submitted to the Department for approval during the reporting period: <ul style="list-style-type: none"> Environmental Management Plan (Environmental Operating Procedure, LNGOP-QL00-ENV-PCE-000008 Rev 0, 5/02/2019) Approved 17/1/2019	Ongoing
46.	If the Minister approves a revised plan, then that plan must be implemented instead of the plan originally approved.	Revised plans approved by the Minister have been implemented by QGC.	Ongoing
47.	Until the Minister has approved the revised plan, the proponent must continue to implement the original plan	QGC implemented approved plans until the revised plans were approved by the Minister.	Ongoing



CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
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	This condition was not triggered during the Reporting Period.	Ongoing
49.	If the Minister makes a request for revisions to a plan, the proponent must: a. comply with that request; and b. submit the revised plan to the Minister for approval within the period specified in the request.	This condition was not triggered during the Reporting Period.	Ongoing
50.	The proponent must implement the revised plan, on written approval of the Minister	This condition was not triggered during the Reporting Period.	Ongoing
51.	Until the Minister has approved the revised plan, the proponent must continue to implement the original plan	This condition was not triggered during the Reporting Period.	Ongoing
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	QGC submitted plans for approval by the Minister as described under Condition 45. The Minister was provided at least 20 business days for review and consideration of the plans.	Ongoing
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	All instances of potential non-compliance with conditions of the Environmental Authority for the reporting period were reported to the Queensland Department of Environment and Science (DES) and the Department of Environment and Energy.	Ongoing
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.	No requests have been received from the Department to provide a State plan during the Reporting period.	Ongoing
TIMEFRAMES			



CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
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.	QGC has not received a notice from the Minister extending the period of a requirement under a condition of the approval.	Ongoing
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 	This condition was not triggered during the Reporting Period.	Ongoing
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 	This condition was not triggered during the Reporting Period.	Ongoing
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; 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 	This condition was not triggered during the Reporting Period.	Ongoing
59.	The financial cost of the audit will be borne by the proponent.	This condition was not triggered during the Reporting Period.	Ongoing

CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
60.	The proponent must: <ol style="list-style-type: none"> implement any recommendations in the audit report, as directed in writing by the Department; investigate any non-compliance identified in the audit report; and if non-compliance is identified in the audit report - take action as soon as practicable to ensure compliance with these conditions. 	This condition was not triggered during the Reporting Period.	Ongoing
61.	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: <ol style="list-style-type: none"> actions taken by the proponent to ensure compliance with these conditions; and actions taken to prevent a recurrence of any non-compliance, or implement any other recommendation to improve compliance, identified in the audit report. 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.	QGC has not received any request for an independent audit of compliance with approval conditions during the Reporting Period.	Ongoing
REPORTING NON-COMPLIANCE			
62.	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: <ol style="list-style-type: none"> report the non-compliance and remedial action to the Department within five business days; and bring the matter into compliance within a reasonable timeframe agreed to, in writing by the Department. 	QGC notified all instances of potential non-compliance with conditions of this approval to the Department as triggered by Condition 53 (i.e. the requirement to report non-compliance with the State issued environmental authority under the EP Act).	Ongoing
RECORD-KEEPING			
63.	The proponent must: <ol style="list-style-type: none"> 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 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. 	Accurate records, including measures taken to implement approved plans under conditions are kept. No request has been received by QGC during the Reporting Period to make any records available to the Minister.	Ongoing

CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
	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.		
FINANCIAL ASSURANCE			
64.	The proponent must: <ol 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. 	QGC has not received a request from the Minister to provide financial assurance for this approval.	Ongoing
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. 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.		Ongoing
ANNUAL ENVIRONMENTAL RETURN			
66.	The proponent must produce an Annual Environmental Return which <ol 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. 	This Annual Return satisfies compliance with this condition. During the Reporting Period: <ul style="list-style-type: none"> ▪ QGC has not identified any unavoidable adverse impacts on MNES and has continued to implement the measures detailed in the relevant management plans to avoid any such impacts; ▪ Mitigation measures applied to avoid adverse impacts on MNES are detailed in the relevant Management Plans; ▪ No non-compliances with conditions in this approval were identified; 	Ongoing

CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
		<ul style="list-style-type: none"> QGC submitted plans to the Minister for approval as detailed under Condition 45. No rehabilitation works in connection with any unavoidable adverse impacts on MNES have been undertaken. 	
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.	This annual return will be published on the Shell Australia website within the required timeframe.	Ongoing
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	QGC has not received any request from the Department.	Ongoing
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.	Plans requiring the Minister's approval during the reporting period were published on QGC website within the required timeframe. Current approved plans are published on the Environment page of the Shell Australia website located as follows: https://www.shell.com.au/about-us/projects-and-locations/qgc/environment/environment-management/management-plans.html	Ongoing
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.	QGC has not received any request from the Department during the reporting period.	Ongoing
Dictionary			
71.	In these conditions, unless otherwise indicated: CEMP means the Construction Environmental Management Plan developed as required under conditions 22 to 24. Conditions means these conditions attached to the approval of the action;	Noted. QGC has not requested any changes to the definitions in the approval.	Ongoing



CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
	<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> <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>		



CONDITION NO.	CONDITION	STATEMENT OF COMPLIANCE	STATUS
72.	Unless the contrary is indicated, words in these conditions have the same meaning as in (the following order of priority) a. the EPBC Act; and b. the EP Act.	Noted.	Ongoing
73.	Unless the contrary is indicated, in these conditions: 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.	Ongoing