



ENVIRONMENTAL ANNUAL RETURN

EPBC 2008/4399- PIPELINE

The Queensland Curtis LNG Project, which includes a 540km buried natural gas pipeline network linking the gas fields to Curtis Island was approved by the Department of Environment and Energy (**DoEE**), (formerly Sustainability Environment, Water, Population and Communities- SEWPAC) on 22 October 2010.

Under EPBC approval 2008/4399 (**the Approval**), the holder of the approval is required to publish an Annual Return addressing compliance with the below conditions on its website within 20 calendar days of the anniversary date of the approval.

QGC, as the operator of the natural gas pipeline network and the holder of this approval, has prepared the Annual Return for referral approval, EPBC 2008/4399 – pipeline network, for the period from 22 October 2018 to 21 October 2019 (**the Reporting Period**).

Condition 62 of the approval requires that the Annual Return:

- a. address compliance with the conditions;
- b. record 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;
- c. identify all non-compliances with these conditions; and
- d. identify 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 is commonly known as the QCLNG Project. QCLNG commenced construction in 2010 and was the world's first large-scale project to turn gas from coal seams into LNG.

The project involves:

- ▶ Expanding QGC's existing natural gas production in the Surat Basin of southern Queensland.
- ▶ A 540km buried natural gas pipeline network linking the gas fields to Curtis Island, near Gladstone – the Wallumbilla Gladstone Pipeline which is subject of this annual return; and
- ▶ A natural gas liquefaction plant on Curtis Island, near Gladstone, where the gas will be converted to LNG for export.

The Wallumbilla Gladstone Pipeline comprises three components:

- ▶ the gas collection header, collecting gas from the QCLNG gas fields near Woleebee Creek and south-west of Dalby through to Wandoan;
- ▶ the export pipeline taking the gas from the gas collection header east of Wandoan through the Narrows; and
- ▶ the Narrows crossing pipeline crossing from the mainland near Gladstone to the liquefaction plant on Curtis Island.

In June 2015, QGC sold the buried natural gas pipeline network component of the project to APA Group, Australia's largest natural gas infrastructure business. QGC continues to operate the pipeline on APA's behalf.

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 approvals are administered by the Department of the Environment and Energy (DoEE). 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 be published on the QGC website.

This document is QGC's Annual return for referral approval, EPBC 2008/4399 – pipeline network component for the period from 22 October 2018 to 21 October 2019 (**the Reporting Period**).

1.3 Project Activities during the reporting Period

During this reporting period the pipeline was under normal operations delivering gas from the Surat Basin gas field to the delivery station on Curtis Island. Activities during this reporting period included pipeline operations and reinstatement of the pipeline right of way and routine civil maintenance actions.



2.0 CONCLUSION

In compiling this annual return, QGC has not identified any new instances of non-compliance with the conditions of EPBC approval 2008/4399. **Appendix A** of this report provides details of compliance with each of the approval conditions.



QGC

ENVIRONMENTAL ANNUAL RETURN
EPBC ANNUAL RETURN 2008/4399 – WALLUMBILLA GLADSTONE
PIPELINE

APPENDIX A QCLNG PIPELINE – EPBC 2008/4399 – ASSESSMENT OF COMPLIANCE WITH CONDITIONS



Condition		Statement of Compliance	Status
Project Area			
1.	The pipeline route and Right Of Way (ROW) is depicted in the map at Attachment 1.	The pipeline route and Right of Way (ROW) follows the relevant map. Construction of the pipeline is completed.	Fulfilled
Environmental Management Plan (excluding the Narrows)			
2.	The proponent must prepare an Environmental Management Plan (EMP) to manage the impacts of construction, operation and decommissioning of the pipeline (other than in relation to the Narrows) on listed threatened species and ecological communities, listed migratory species and values of the World and National Heritage-listed Great Barrier Reef.	<p>The following management plans were prepared and approved by the Department in accordance with this condition.</p> <ol style="list-style-type: none"> 1. Framework Environmental Management Plan (FEMP) – QCLNG Gas Collection Header and Export Pipeline, Rev 2, dated December 2011 (QCLNG-BG00-ENV-PLN-000007); 2. QCLNG Export Pipeline from Miles to MLV7- Environment Management Pan, Rev 4, dated December 2011 (QCLNG-BG00-ENV-PLN-000003). 3. Gas Collection Header Pipeline Environmental Management Plan (EP EMP), Rev 3 dated December 2011 (QCLNG-BG00-ENV-PLN-000002) and; 4. Significant Species Management Plan for QCLNG Pipeline (SSMP), Rev 3, dated 29 August 2013 (QCLNG- BG00-ENV-RPT-000002). 5. Biosecurity Manual dated May 2018 (QCQGC- BX00- ENV- MAN-000002) <p>Construction has been completed and pipeline is currently operational.</p>	Ongoing



Condition		Statement of Compliance	Status
3.	<p>The Environmental Management Plan must include</p> <ul style="list-style-type: none"> a) provisions for detailed pre-clearance surveys by a suitably qualified ecologist along the entire length of the ROW, in accordance with conditions 5 to 10; b) measures to minimise native and riparian vegetation clearance and to minimise the impact on listed species, their habitat and ecological communities in accordance with management plans required for MNES under this approval; c) measures to manage the impact of clearing on each listed species and ecological community in accordance with management plans required for MNES under this approval; d) measures to regenerate vegetation on the ROW where natural regeneration is not successful to a condition at least equivalent to the ROW condition prior to commencement; e) measures to minimise impacts on fauna during pipeline construction, including <ul style="list-style-type: none"> i. measures to protect MNES in the areas of the ROW where trenching is being undertaken, including measures to exclude listed terrestrial fauna from gaining access to those areas of the ROW where trenching is being undertaken; ii. mechanisms to allow fauna to escape from the pipeline trench; iii. daily morning surveys for trapped fauna; iv. mechanisms for a suitably qualified person to relocate fauna; and v. record keeping for all survey, removal and relocation activities. f) machinery wash down procedures and ongoing monitoring to minimise the spread and establishment of weeds in the ROW. Monitoring of weed infestations within disturbed areas must occur at least monthly during construction and then quarterly for a period of two years after completion of construction. Appropriate weed control measures must be implemented. After the two-year period, the frequency of monitoring must be reconsidered by the proponent, based on the success of control measures, the level of infestations and pipeline maintenance activities g) measures to manage and control feral animals that may spread due to the establishment of the ROW h) measures for the management of ignition sources during construction, maintenance and decommissioning of the pipeline to protect habitat values from wild fire i) measures for the management of acid sulphate soils. 	<p>The management plans referred to in condition 2 include the requirements set out in this condition.</p> <p>QGC notes that items <i>a</i> to <i>c</i> and <i>e</i> were applicable to the construction phase of the pipeline and have now been closed.</p> <p>As such, QGC has currently updated and resubmitted its Environmental Operational Procedure for Pipelines to the Minister for reapproval.. QGC is also assessing the possibility of proposing an amendment of this condition to align its requirements to the current phase of the project.</p>	Ongoing



Condition		Statement of Compliance	Status
4.	The Environmental Management Plan must be submitted for the approval of the Minister. Commencement must not occur without approval (except for activities critical to commencement and associated with mobilisation of plant, equipment, materials, machinery and personnel prior to start of pipeline construction which will have no adverse impact on MNES). The approved plan must be implemented.	The management plans referred within condition 2 were submitted and approved by the Minister. Construction has been completed and pipeline is currently operational. QGC has updated and resubmitted to the Department its Environmental Operational Procedure for Pipelines for approval to align the plans to the current phase.	Ongoing
<i>Pre-clearance surveys</i>			
5.	Before the clearance of native vegetation in the pipeline ROW, the proponent must: a) undertake pre-clearance surveys for the presence of listed threatened species and migratory species, their habitat and listed ecological communities; and b) alternatively, where recent surveys have already been undertaken and those surveys meet the Department's requirements for surveys for the relevant MNES, the proponent may elect to develop management plans based on those surveys in accordance with the requirements of condition 8.	No clearing was undertaken during this reporting period. Please refer to previous annual returns for historical compliance information.	Fulfilled
6.	Pre-clearance surveys must : a) for each listed species, be undertaken in accordance 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 ; b) be undertaken by a suitably qualified ecologist approved by the Department in writing; c) document the survey methodology results and significant findings in relation to MNES; and d) apply best practice site assessment and ecological survey methods appropriate for each listed threatened species, migratory species, their habitat and listed ecological communities	No pre-clearance survey was undertaken during this reporting period. Please refer to previous annual returns for historical compliance records.	Fulfilled
7.	Pre-clearance survey reports (which document the methods used and the results obtained) must be published by the proponent and provided to the Department at the time of publication.	No pre-clearance survey was undertaken during this reporting period. Please refer to	Fulfilled



Condition		Statement of Compliance	Status
		previous annual returns for historical compliance records.	
8.	<p>If a listed threatened species or migratory species or their habitat, or a listed ecological community is encountered during the surveys undertaken as required by condition 5 and is not specified in the Table 1 or 2 at condition 11 and 12, the proponent must submit a separate management plan for each species or ecological community to manage the unexpected impacts on clearing. In relation to each listed species or ecological community, each plan must address:</p> <ul style="list-style-type: none"> a) the relevant characteristics describing each ecological community; b) a map of the location of species, species' habitat, ecological community in proximity to the ROW; c) measures that will be employed to avoid impact on the species, species' habitat, or ecological community; d) a quantification of the unavoidable impact (in hectares and/or individual specimens); e) where impacts are unavoidable and a disturbance limit is not specified for the listed species or ecological community under condition 11, propose offsets to compensate for the impact on the population of the species' habitat, or the ecological community; f) current legal status (under the EPBC Act) g) known distribution <p>For listed species, each plan must also include:</p> <ul style="list-style-type: none"> a) known species' populations and their relationships within the region; b) biology and reproduction c) preferred habitat and microhabitat including associations with geology, soils, landscape features and associations with other native fauna and/or flora or ecological communities; d) anticipated threats to MNES from pipeline construction, operation and decommissioning; e) management practices and methods to minimise impacts, such as: <ul style="list-style-type: none"> i. site rehabilitation timeframes, standards and methods; ii. use of sequential clearing to direct fauna away from impact zones; iii. re-establishment of native vegetation in linear infrastructure corridors; iv. handling practices for flora specimens; 	No pre-clearance survey was undertaken during this reporting period. Please refer to previous annual returns for historical compliance records.	Fulfilled



Condition		Statement of Compliance	Status												
	v. translocation and/or propagation practices and monitoring for translocation/propagation success; vi. monitoring methods including for rehabilitation success and recovery; and f) reference to relevant conservation advice, recovery plans, or other policies, practices, standards or guidelines relevant to MNES published or approved from time to time by the Department.														
9.	Each plan required under condition 8 must be submitted for the approval of the Minister. Commencement in the location covered by the management plan must not occur without approval. Each approved plan must be implemented.	No clearing was undertaken during this reporting period. Please refer to previous annual returns for historical compliance records.	Fulfilled												
10.	If, during construction, a listed threatened species or migratory species or their habitat, or a listed ecological community is encountered and is not specified in the table at condition 11 or 12, the proponent must submit a separate management plan for each species or ecological community in accordance with condition 8 within 20 business days of encountering that MNES. Work must not continue at the construction site where the MNES is encountered until the relevant management plan has been approved.	No construction activity was undertaken during this reporting period. Please refer to previous annual returns for historical compliance records.	Fulfilled												
Disturbance Limits															
11.	<p>The following maximum disturbance limits apply to any disturbances authorised for unavoidable impacts on listed threatened communities and potential habitat for listed threatened species or migratory species as a result of the construction, operation and decommissioning of the pipeline (and all associated activities).</p> <table border="1" data-bbox="280 1021 1003 1394"> <thead> <tr> <th colspan="3" data-bbox="280 1021 1003 1077">Table 1: EPBC - listed threatened ecological communities</th> </tr> <tr> <th data-bbox="280 1077 604 1141">Ecological community</th> <th data-bbox="604 1077 779 1141">EPBC status</th> <th data-bbox="779 1077 1003 1141">Disturbance limit (ha)</th> </tr> </thead> <tbody> <tr> <td data-bbox="280 1141 604 1236">Brigalow (<i>Acacia harpophylla</i> dominant and co-dominant)</td> <td data-bbox="604 1141 779 1236">Endangered</td> <td data-bbox="779 1141 1003 1236">14.42</td> </tr> <tr> <td data-bbox="280 1236 604 1394">Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions</td> <td data-bbox="604 1236 779 1394">Endangered</td> <td data-bbox="779 1236 1003 1394">2.47</td> </tr> </tbody> </table>	Table 1: EPBC - listed threatened ecological communities			Ecological community	EPBC status	Disturbance limit (ha)	Brigalow (<i>Acacia harpophylla</i> dominant and co-dominant)	Endangered	14.42	Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions	Endangered	2.47	No additional disturbance occurred during this reporting period. Please refer to previous annual returns for historical compliance records.	Fulfilled
Table 1: EPBC - listed threatened ecological communities															
Ecological community	EPBC status	Disturbance limit (ha)													
Brigalow (<i>Acacia harpophylla</i> dominant and co-dominant)	Endangered	14.42													
Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions	Endangered	2.47													



Condition				Statement of Compliance	Status																				
	Species	EPBC status	Disturbance limit (ha)																						
	<i>Cycas megacarpa</i> (Large-fruited Zamia)	Endangered	3																						
	<i>Philotheca Sporadica</i>	Vulnerable	5																						
12.	<p>The proponent must prepare a management plan for each species in the table below. Each plan must be prepared in accordance with the requirements of condition 8.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">Table 2: Species management plans required before commencement</th> </tr> <tr> <th style="text-align: left;">Listed species</th> <th style="text-align: left;">EPBC Act Status</th> </tr> </thead> <tbody> <tr> <td><i>Cadellia pentasyfis</i> (Ooline)</td> <td>Vulnerable</td> </tr> <tr> <td><i>Parade/ma orientalis</i> (Brigalow Scaly-foot)</td> <td>Vulnerable</td> </tr> <tr> <td><i>Furina dunmalli</i> (Dunmall's Snake)</td> <td>Vulnerable</td> </tr> <tr> <td><i>Egernia rugosa</i> (Yakka Skink)</td> <td>Vulnerable</td> </tr> <tr> <td><i>Geophaps scripta scripta</i> (Squatter pigeon - southern)</td> <td>Vulnerable</td> </tr> <tr> <td><i>Nyctophi/us timoriensis</i> (Eastern Long-eared Bat)</td> <td>Vulnerable</td> </tr> <tr> <td><i>Chalinobolus dwyeri</i> (Large-eared Pied Bat)</td> <td>Vulnerable</td> </tr> <tr> <td><i>Xeromys myoides</i> (Water Mouse)</td> <td>Vulnerable</td> </tr> </tbody> </table> <p><i>Note: The intent of the table above is to prepare management plans for those species that are likely to be encountered along the ROW and where a disturbance limit has not been quantified. To the extent that the requirements of condition 8 are satisfied for e'ach species, a single Species Management Plan may be prepared for this purpose.</i></p>			Table 2: Species management plans required before commencement		Listed species	EPBC Act Status	<i>Cadellia pentasyfis</i> (Ooline)	Vulnerable	<i>Parade/ma orientalis</i> (Brigalow Scaly-foot)	Vulnerable	<i>Furina dunmalli</i> (Dunmall's Snake)	Vulnerable	<i>Egernia rugosa</i> (Yakka Skink)	Vulnerable	<i>Geophaps scripta scripta</i> (Squatter pigeon - southern)	Vulnerable	<i>Nyctophi/us timoriensis</i> (Eastern Long-eared Bat)	Vulnerable	<i>Chalinobolus dwyeri</i> (Large-eared Pied Bat)	Vulnerable	<i>Xeromys myoides</i> (Water Mouse)	Vulnerable	<p>Compliant – The pipeline Significant Species Management Plan for the Gas Collection Header and Export Pipeline was updated during 2013. The plan submitted to the Minister on 29 August 2013 and approved on 30 August 2013. The plan is available on QGC's website.</p> <p>The Significant Species Management Plan (SSMP) – Narrows Crossing Project (QCLNG-BG03-ENV-PLN-000036) was submitted to the Minister on 27 July 2011. Following comments, new versions of the plan were submitted on 21 September 2011 and 18 October 2012. Approval was obtained on 19 October 2012.</p> <p>The approved management plans address the requirements of this condition.</p>	Fulfilled
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Listed species	EPBC Act Status																								
<i>Cadellia pentasyfis</i> (Ooline)	Vulnerable																								
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Condition		Statement of Compliance	Status
13.	Each management plan must be submitted for the approval of the Minister. Commencement must not occur without approval. Commencement in the location covered by the management plan must not occur without approval. Each approved plan must be implemented.	QGC will continue to implement the plans required by the approval.	Ongoing
14.	Disturbance of vegetation related to the construction and maintenance of the pipeline must be confined to the ROW. Any proposed siting of the construction camps, vehicle access tracks and pipe lay-down areas outside the ROW during construction must be undertaken so as to minimise potential adverse impacts on MNES and must comply with conditions 5 to 13.	No additional disturbance occurred during this reporting period. Please refer to previous annual returns for historical compliance records.	Fulfilled
Offsets <i>Plan to secure offsets</i>			
15.	<p>Within 12 months of the commencement of pipeline development the proponent must prepare an Offset Plan to provide an offset area for the approved disturbance limits relating to <i>Philothea sporadica</i> and Semi evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions (SEVT) within the project area. The offset area to be secured must be an area of private land which includes at least:</p> <ul style="list-style-type: none"> a. 40 ha of <i>Philothea sporadica</i> habitat; and b. 19.76 ha of Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions <p><i>Note: Offsetting requirements for this approval can be accommodated as part of a single offset plan addressing the requirements of this approval and those required by EPBC 2008/4398</i></p>	<p>The Monte Christo offsets proposal was submitted for approval within the required timeframe. The offset plan related to the Narrows Crossing component of the pipeline was approved by the Minister on 27 September 2013.</p> <p>An updated offset plan relating to the remaining portion of the pipeline was submitted to the Department for approval on 26 May 2014. The plan details QGC's approach to delivering the remaining offsets required by this condition.</p>	Ongoing
16.	The Offset Plan must include details of the offset area including: the timing and arrangements for property acquisition, maps and site description, environmental values relevant to MNES, connectivity with other habitats and biodiversity	The documents submitted under condition 15 meet the requirements of this condition.	Ongoing



Condition		Statement of Compliance	Status
	corridors, a rehabilitation program, and mechanisms for long-term protection, conservation and management.		
17.	The Offset Plan must be submitted for the approval of the Minister within 12 months of the commencement of gas field development. The approved Offset Plan must be implemented within 30 business days of approval.	The offset plan was submitted for approval and is currently being implemented.	Ongoing
18.	If the approved Offset Plan cannot be implemented because of failure of arrangements to secure the necessary area of private land, then the proponent must submit for the Minister's approval an alternative Offset Plan. The alternative Offset Plan must provide at least an equivalent environmental outcome to those specified under condition 15. The approved alternative Offset Plan must be implemented.	Noted	Not triggered
19.	If the proponent proposes any action within a proposed offset area, other than actions related to managing that area as an offset property, approval must be obtained, in writing from the Department. In seeking Departmental approval, the proponent must provide a detailed assessment of the proposed action including a map identifying where the action is proposed to take place and an assessment of all associated adverse impacts on MNES. If the Department agrees to the action within the proposed offset site, the area identified for the action must be excised from the proposed offset and alternative offsets secured of equal or greater environmental value in relation to the impacted MNES.	Noted	Not triggered
20.	The proponent must secure the offset within 51 months of commencement.	Compliant – QGC has secured two private properties known as Monte Christo and Valkyrie, both of which have been approved by the Department. In addition, the Offset Area Management Plan for Bellalie Property has been approved by the Department and the offset area legally secured by a voluntary declaration under the Vegetation Management Act (QLD).	Ongoing
<i>Offset Area management</i>			
21.	Within 12 months of securing the offset area required under the approved Offset Plan, the proponent must develop an Offset Area Management Plan which must specify measures to improve the environmental values of the offset area in relation to MNES, including; a) the documentation and mapping of current environmental values relevant to MNES of the area;	The offset proposal for the Narrows was initially submitted for approval on 20 September 2010. Following consultation with other LNG proponents, the Monte Christ offset proposal was submitted to the Department and approved on 27 September 2013.	Ongoing



Condition		Statement of Compliance	Status
	b) measures to address threats to MNES including but not limited to grazing pressure and damage by livestock and adverse impacts from feral animals and weeds c) measures to provide fire management regimes appropriate for the MNES d) measures to manage the offset area to improve the condition of the MNES specified at condition 15 within the offset area and to increase the areal extent of MNES specified at condition 15 within the offset area as objectives of the program e) monitoring, including the undertaking of ecological surveys to assess the success of the management measures against identified milestones and objectives f) performance measures and reporting requirements against identified objectives, including trigger levels for corrective actions and the actions to be taken to ensure performance measures and objectives are met.	<p>The Valkyrie Offset Area Management Plan was submitted to the Department on 22 April 2016 and approved on 15 August 2017.</p> <p>The plans meet the requirements of this condition.</p>	
22.	Within 12 months of securing the offset area the Offset Area Management Plan must be submitted for the approval of the Minister. The approved Offset Area Management Plan must be implemented.	The offset proposal for the Narrows was initially submitted for approval on 20 September 2010. Following consultation with other LNG proponents, the Monte Christ offset proposal was submitted to the Department and approved on 27 September 2013.	Ongoing
<i>Cycas megacarpa</i>			
23.	To offset unavoidable impacts to the <i>Cycas megacarpa</i> from all activities associated with this approval, the proponent must: <ul style="list-style-type: none"> a) within 51 months of commencement, secure an area of at least 18 ha as an offset for receiving no less than 1,104 translocated and/or propagated individuals; b) identify alternative recruitment methods if it is considered unlikely that translocation and propagation will be successful; c) notify the Department in writing of the acquisition or transfer of ownership of the area identified in condition 23(a) within one month of securing the land; d) if the proponent proposes any action within a proposed offset area, other than actions related to managing that area as an offset property, approval must be obtained, in writing from the Department. In seeking Departmental approval, the proponent must provide a detailed assessment of the proposed action including a map identifying where 	<p>The offset area required to meet this condition has been met by securing 18 ha as an offset for receiving no less than 1104 translocated and/or propagated individuals.</p> <p><i>Cycas megacarpa</i> removed during construction have been translocated to the offset site.</p> <p>Additional <i>C. megacarpa</i> have been propagated and are currently maturing in a nursery in preparation for their transplantation to the site.</p>	Ongoing



Condition		Statement of Compliance	Status
	<p>the action is proposed to take place and an assessment of all associated adverse impact on MNES. If the Department agrees to the action within the proposed offset site, the area identified for the action must be excised from the proposed offset and alternative offsets secured of equal or greater environmental value in relation to the impacted MNES; and</p> <p>e) demonstrate that the measures for securing and managing the offset will ensure that the offset is protected in perpetuity.</p>		
Cycas megacarpa Management Plan			
24.	<p>The proponent must prepare a <i>Cycas megacarpa</i> Management Plan in consultation with an expert approved by the Department in writing.</p>	<p>The Translocation and Management Plan for <i>Cycas Megacarpa</i>, was submitted to the Minister on 18 August 2011 and was approved on 6 September 2011.</p> <p>QGC submitted an updated Translocation and Management plan for <i>Cycas Megacarpa</i> on 4 April 2016 and this was approved by the Department on 19 August 2016.</p>	Fulfilled
25.	<p>The <i>Cycas megacarpa</i> Management Plan must include:</p> <p>a) measures to ensure all <i>Cycas megacarpa</i> within the ROW are avoided using, for example suitable trench less technique(s) as necessary or, if avoidance is not possible, individual plants must be removed and kept offsite and replanted in the same location, or alternatively translocated. Where it can be demonstrated that removal and translocation of individuals is unlikely to succeed, translocation may be substituted by establishing propagated individuals;</p> <p>b) measures to propagate and plant <i>Cycas megacarpa</i> individuals removed or impacted by construction activities to maintain a population of no less than 1104 individuals within the offset site required by condition 23(a);</p> <p>c) a detailed methodology for translocation, propagation and planting, including map of the location of the offset site;</p> <p>d) details of funding required to secure, maintain and enhance the values of the offset site in perpetuity;</p> <p>e) details of a suitably qualified person to undertake translocation, propagation and planting;</p>	<p>The approved plan meets the requirements of this condition.</p>	Fulfilled



Condition		Statement of Compliance	Status
	f) details of the erosion and sediment control measures to be implemented in the ROW in the Callide and Calliope Ranges; g) measures to rehabilitate the ROW in the Callide and Calliope Ranges; h) measures for the control and management of weeds, fire, feral animals, access and grazing in translocation sites; i) measures for the management, maintenance and protection of the population of <i>Cycas megacarpa</i> individuals in the offset site for a period of five years following final planting; j) details of monitoring practices to assess the success of proposed management regimes of the offset; k) performance measures, reporting requirements, trigger levels for corrective actions and identification of those actions to be taken to ensure performance measures are met; and l) a reconciliation statement of impacts against the agreed limit of disturbance, as defined above in condition 11 must be updated by the proponent every 12 months from commencement until construction is complete.		
26.	The <i>Cycas megacarpa</i> Management Plan must be submitted for the approval of the Minister. Commencement in the location covered by the management plan must not occur without approval. The approved plan must be implemented.	The plan has been approved by the Minister and is currently under implementation. Relevant works did not start until after approval was received.	Ongoing
27.	To avoid doubt, a single offset management plan can be submitted to meet all offset management plan requirements.	Noted	Not triggered
Migratory Birds			
28.	To offset unavoidable impacts on listed migratory birds within the ROW at the Kangaroo Island wetlands west of the Narrows, the proponent must contribute at least \$250,000 to the Gladstone Port Corporation's migratory bird research study required by conditions for the Gladstone Western Basin Dredging and Disposal Project (EPBC 2009/4904).	QGC has contributed about \$1.2 million to the Environmental Research Management Program overseen by the Gladstone Ports Authority Advisory Panel, including approximately \$267,000 to the Migratory Shorebirds Program.	Fulfilled
The Narrows crossing			
29	The proponent must prepare an Environmental Management Plan for the crossing of the Narrows. This must include: a) if the crossing is undertaken concurrently with the construction of one or more additional gas transmission pipelines (a 'bundled crossing'): i. the roles and responsibilities of each party involved in the bundled crossing;	The Minister first approved the management plan on 19 October 2011. The current plan was approved by the Minister on 26 July 2013 and is available on QGC's website.	Ongoing – Awaiting DoEE approval



Condition		Statement of Compliance	Status
	<ul style="list-style-type: none"> ii. details of the final pipeline route, engineering design and construction methodology, including details of the total number of gas transmission pipes including any pipelines for water supply and/or sewerage; iii. potential impacts from the construction of the pipeline on listed threatened species, ecological communities, migratory species and World and National Heritage-listed values of the Great Barrier Reef; iv. mitigation measures to reduce impacts on listed threatened species, ecological communities, migratory species and World and National Heritage-listed values of the Great Barrier Reef; v. proposed offset measures to compensate for unavoidable impacts on listed threatened species and ecological communities, listed migratory species and values of the World and National Heritage-listed Great Barrier Reef; vi. measures for the management of acid sulfate soils (both potential and actual); vii. measures for ongoing maintenance and decommissioning of the pipelines, or <p>If the proponent does not proceed in a bundled crossing:</p> <ul style="list-style-type: none"> b) construction method which, in the opinion of the Minister, will result in minimal surface disturbance to the Kangaroo Island Wetlands and minimal disturbance to the area of the estuary of the Narrows (preferably achieved by horizontal directional drilling or tunnelling); <ul style="list-style-type: none"> i. details of the final pipeline route, design and construction methodology, including details of inclusion of pipes for water supply and sewerage; ii. potential impacts from the construction of the pipeline on listed threatened species, ecological communities, migratory species and World and National Heritage-listed values of the Great Barrier Reef; iii. mitigation measures to reduce impacts to listed threatened species, ecological communities, migratory species and World and National Heritage listed values of the Great Barrier Reef; iv. proposed offsets to compensate for the unavoidable impacts of the action on listed threatened species and ecological communities, listed migratory species and values of the World and National Heritage listed Great Barrier Reef; v. measures for the management of acid sulfate soils. <p>Note: 29(b) does not prescribe a particular construction method.</p>	<p>The approved management plan complies with part (a) of this condition as the pipeline has been constructed as a bundled crossing.</p> <p>QGC notes that items <i>i</i> to <i>iv</i> were applicable to the construction phase of the pipeline and have now been closed. Item <i>v</i> is addressed by the Offset plans referred on conditions 15 to 27 of the Approval.</p> <p>As such, QGC has currently updated and resubmitted its Environmental Operational Procedure for Pipelines to the Minister for reapproval. QGC is also assessing the possibility of proposing an amendment of this condition to align its requirements to the current operational phase of the pipeline.</p>	



Condition		Statement of Compliance	Status
30.	The Environmental Management Plan must be submitted for the approval of the Minister. The activity the subject of the Environmental Management Plan must not start without approval. The approved plan must be implemented.	<p>The current revision of the Narrows Crossing Environmental Management Plan was approved by the Minister on 26 July 2013 and is currently being implemented.</p> <p>QGC has currently updated and resubmitted its Environmental Operational Procedure for Pipelines to the Minister for reapproval.</p>	Ongoing – Awaiting DoEE approval
31.	If the pipeline construction involves dredging to be undertaken by the proponent under the approval to which these conditions are attached, the proponent must prepare a Dredge Management Plan.	<p>QGC first submitted the Narrows Crossing Dredge Management Plan to the Minister on 12 June 2012.</p> <p>Following further consultation, a revised plan was submitted on 2 August 2012 and was approved by the Minister on 7 August 2012.</p>	Fulfilled
32.	<p>The Dredge Management Plan required under these conditions must include:</p> <ul style="list-style-type: none"> a) details of dredging methods, planned commencement, duration and frequency of dredging; b) identification of areas of potentially impacted seagrass habitat and their environmental tolerances; c) identification of areas of potentially impacted seagrass habitat and their environmental tolerances; d) site specific water quality objectives for the designated habitats as a guideline for habitat protection; e) measures to refine the plume modelling data presented in the proponent's Environmental Impact Statement; f) mitigation measures and controls for the dredging and spoil disposal activities g) triggers for initiating adaptive management and potential remediation measures; h) monitoring of: <ul style="list-style-type: none"> i. potential impacts of dredging on seagrass including but not limited to turbidity and light attenuation; ii. the triggers established under condition 32(f); and iii. the long term impacts of the action. 	The approved Narrows Crossing Dredge Management Plan meets the requirements of this condition.	Fulfilled



Condition		Statement of Compliance	Status
	i) options, linked to the triggers established under condition 32(f), for adaptively managing the action - including options for varying the timing and location of dredging and spoil disposal activities; j) details for monitoring of dredging activities, including timing and variables measured such as turbidity and light attenuation in a format as directed by the Department to allow validation of other modelling of dredging impacts relating to the Port of Gladstone; k) measures to minimise the impact on listed migratory birds from noise associated with construction activities; l) measures to prevent and respond to the introduction of marine pest species; m) measures to protect dugongs, and listed turtles including the use of turtle excluder devices; n) details of dredge spoil placement; o) provisions to sample and analyse dredge spoil composition.		
33.	The Dredge Management Plan must be submitted for the approval of the Minister. The activity the subject of the Dredge Management Plan must not start without approval. The approved plan must be implemented.	QGC first submitted the Narrows Crossing Dredge Management Plan to the Minister on 12 June 2012. Following further consultation, a revised plan was submitted on 2 August 2012 and was approved by the Minister on 7 August 2012. Dredging activities commenced on 21 August 2012 and have been completed.	Fulfilled
Location of pipeline (Callide range)			
34.	East of the Callide Range, the proponent must locate the pipeline within the Callide Infrastructure Corridor State Development Area as indicated in the map at Attachment 1.	The pipeline is located within the designated area.	Fulfilled
35.	Where reasonably possible, horizontal directional drilling must be used for major waterway crossings, including: a) those within the Dawson, Calliope and Condamine River catchments and any water crossing within the known distribution of the Fitzroy River Turtle (<i>Rheodytes leukops</i>) and Murray Cod (<i>Maccullochella peelii</i>). Pipeline construction across waterways within the known distribution of the Fitzroy River Turtle must not take place during the nesting and breeding season; b) Humpie and Targinie Creeks.	The methods used for major waterway crossings were determined in accordance with the following approved plans: 1) Item (a): Pipeline Aquatic Values Management Plan (QCLNG-BG00-ENV-RPT-000009, Revision 3, August 2013). A variation of this plan was submitted on 29 August 2013	Fulfilled



Condition		Statement of Compliance	Status
		<p>and approved by the Minister on 30 August 2013; and</p> <p>2) Item (b): Export Pipeline – the Narrows Crossing Aquatic Values Management Plan (QCLNG-BG03-ENV-RPT-000087, Rev 0, September 2011), approved by the Minister on 30 September 2011.</p> <p>No water crossings were undertaken during this reporting period.</p>	
36.	Trenchless techniques are not required in minor creek beds within the known distribution of the Fitzroy River Turtle (<i>Rheodytes leukops</i>) and Murray Cod (<i>Maccullochella peelii</i>) where there is no water at the crossing site and the distance to the nearest water is sufficient to buffer any potential impacts resulting from the crossing technique.	No water crossings were undertaken during this reporting period.	Not triggered
37.	<p>The proponent must prepare an Aquatic Values Management Plan. This plan must include:</p> <ul style="list-style-type: none"> a) detailed assessment of aquatic values, including animal breeding locations for listed threatened and migratory species within the ROW; b) measures to minimise impacts on listed riparian, aquatic and water dependent flora and fauna; c) measures to minimise erosion and sediment impacts to waterways; d) measures to maintain water quality and water flow requirements, including treatment and disposal methods for hydrostatic test water; e) site-specific mitigation measures for any potential impacts from construction and operation of the pipeline on listed threatened species, including but not limited to the Fitzroy River Turtle 	The approved Aquatic Values Management Plans referred to in condition 35 meets the requirements of this condition.	Fulfilled
38.	The Aquatic Values Management Plan must be approved in writing by the Minister. Activities the subject of the Plan must not start without approval. The Plan must be implemented.	<p>The Aquatic Values Management Plan have been approved by the Minister and are currently under implementation.</p> <p>Activities subject to the plan did not start before approval was granted.</p>	Fulfilled



Condition		Statement of Compliance	Status
Notification of commencement			
39.	Within 20 business days of commencement, the proponent must advise the Department in writing of the actual date of commencement.	On 22 March 2011, QGC notified the Department that works on the Right of Way commenced on 15 March 2011.	Fulfilled
40.	If, at any time after 5 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 has commenced within 5 years of the approved date.	Fulfilled
Request for variation of plans by proponent			
41.	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.	During the reporting period, QGC requested the approval of the Biosecurity Manual. The document addresses items f and g of condition 3 of the Approval.	Ongoing
42.	If the Minister approves the revised plan, then that plan must be implemented instead of the plan originally approved.	Revised plans are implemented upon approval.	Ongoing
43.	Until the Minister has approved the revised plan, the proponent must continue to implement the original plan.	Only approved plans are implemented on site.	Ongoing
Revisions to plans by the Minister			
44.	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, revisions to a plan approved under these conditions.	QGC is not aware of a request from the Minister to revise approved plans during the reporting period.	Not triggered
45.	If the Minister makes a request for revision 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 with the period specified in the request. 	Noted.	Not triggered
46.	The proponent must implement the revised plan, on approval of the Minister	Noted.	Not triggered
47.	Until the Minister has approved the revised plan, the proponent must continue to implement the original plan.	Noted.	Not triggered
Minimum timeframes for consideration of plans			
48.	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 the plan, unless otherwise agreed in writing between the proponent and the Minister.	Noted.	Not triggered
Compliance with State environmental and other authorities			



Condition		Statement of Compliance	Status
49	The proponent must comply with all environmental authorisations issued by the State, including conditions of an environmental authority issued under the EP Act.	At the state level, QGC is required to comply with conditions imposed by the Queensland Coordinator General (CG) and the conditions of Environmental Authority EPPG00945113 (EA). QGC did not identify any instances of non-compliance with conditions of the EA and CG.	Ongoing
Provision of State plans			
50.	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.	QGC is not aware of a request from the Minister to provide the plans.	Not triggered
Timeframes			
51.	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	Not triggered
Auditing			
52.	On the request of and within a period specified by the Department, the proponent must ensure that: 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, is published on the Internet and submitted to the Department. c)	Compliant – No request for an independent audit of compliance with the approval conditions was received during the reporting period.	Not triggered
53.	Before the audit begins, the following must be approved by the Department: a) the independent auditor; and b) the audit criteria	Noted.	Not triggered
54.	The audit report must include: 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);	Noted.	Not triggered



Condition		Statement of Compliance	Status
	g) certification by the independent auditor of the findings of the audit report.		
55.	The financial cost of the audit will be borne by the proponent.	Noted.	Not triggered
56.	The proponent must: <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. 	Noted.	Not triggered
57.	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: <ul style="list-style-type: none"> a) actions taken by the proponent to ensure compliance with these conditions; and QGC has not received any requests for an independent audit of compliance with approval conditions. 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><i>Note: To avoid doubt, independent third party auditing may include audit of the proponent's performance against the requirements of any plan required under these conditions.</i></p>	Noted.	Not triggered
Reporting non-compliance			
58.	The proponent must, when first becoming aware of a non-compliance with these conditions, or a plan required to be approved by the Minister under these conditions: <ul style="list-style-type: none"> a) report the non-compliance and remedial action to the Department within five business days; b) bring the matter into compliance within a reasonable time frame specified in writing by the Department. 	No instances of potential non-compliance with conditions of the Approval were identified by QGC during the Reporting Period.	Ongoing
Record-keeping			
59.	The proponent must: <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 under these conditions; and 	Accurate records, including measures taken to implement approved plans under conditions are kept at QGC head office. No request has been received by QGC during the Reporting Period.	Ongoing



Condition		Statement of Compliance	Status
	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.		
Financial assurance			
60.	The proponent must: 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 during the reporting year.	Not triggered
61.	The financial assurance is to remain in force until the Minister is satisfied that no claim is likely to be made on the assurance.	Noted.	Not triggered
Annual Environmental Return			
62.	The proponent must produce an Annual Environmental Return which: ▪ 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 impact on MNES; c) identifies all non-compliances with these conditions and; d) identifies any amendments needed to plans to achieve compliance with these conditions.	This Annual Environmental Return demonstrates compliance with 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 Environment Management Plan to avoid any such impacts. In addition, QGC is currently assessing the possibility of proposing an amendment of conditions 3 and 29 of this approval to ensure that the requirements included into the environmental management plan is consistent with the operational phase of the pipeline.	Ongoing



Condition		Statement of Compliance	Status
63	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	Compliant – This document will be published on the QGC website.	Ongoing
Survey data			
64.	If requested by the Department, the proponent must provide all species and ecological survey data and related 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	Compliant – QGC has not received any request from the Department.	Not triggered
Publication of Plans			
65.	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	Compliant – QGC has revised any plans during the reporting period.	Ongoing
66.	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.	Compliant – QGC has not received any request from the Department.	Not triggered
Dictionary			
67.	<p>In these conditions:</p> <p>Bundled crossing means the dredging, trenching and other construction activities associated with the placement of multiple gas transmission pipelines across the Kangaroo Island Wetlands and the Narrows in a common corridor constructed by the approved proponent;</p> <p>Clearance of native vegetation means the cutting down, felling, thinning, logging, removing, killing, destroying, poisoning, ring barking, uprooting or burning of native vegetation;</p> <p>Commencement means clearing of vegetation that is a listed threatened species or community or that is habitat of listed threatened species or listed migratory species or pipeline construction (including trenching). Commencement does not include:</p> <p>a. minor physical disturbance necessary to undertake pre-clearance surveys or establish monitoring programs or associated with the mobilisation of the</p>	Noted.	Ongoing



Condition		Statement of Compliance	Status
	<p>plant, equipment, materials, machinery and personnel prior to the start of pipeline development or construction;</p> <p>b. activities that are critical to commencement that are associated with mobilisation of plant and equipment, materials, machinery and personnel prior to the start of development only if such activities will have no adverse impact on MNES, and only if the proponent has notified the Department in writing before an activity is undertaken.</p> <p>Department means the Australian Government department responsible for administering Part 4 of the EPBC Act;</p> <ul style="list-style-type: none"> • <i>EP Act</i> means <i>Environmental Protection Act 1994 (Qld)</i>; • <i>EPBC Act</i> means the Commonwealth <i>Environment Protection and Biodiversity Conservation Act 1999</i>; <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 matters of national environmental significance, being the relevant matters protected under Part 3 of the EPBC Act;</p> <p>Plan includes a protocol, 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>Referral means a referral under the EPBC Act including any variation of the referral.</p> <p>ROW means the pipeline right of way where any disturbance or construction is to be restricted to a corridor in which the pipeline may be placed. This corridor includes the area required for related activities such as access tracks. The corridor is illustrated in Attachment1;</p> <p>Substantial commencement means delivery of coal seam gas through the pipeline.</p>		



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