



## Integrated Gas

# AUSTRALIA PACIFIC LNG EPBC 2009/4976 MAIN PIPELINE ANNUAL ENVIRONMENTAL RETURN 22 February 2021 - 21 February 2022

### Review record

Rev	Date	Reason for issue	Reviewer/s	Consolidator	Approver
0	04/03/2022	Issued for Information	N Buchanski	M Venz	C Zipf
1	27/04/2022	Issued to correct administration errors	N Buchanski	N Whittaker	N Buchanski

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## 1. Purpose

The purpose of this document is to address compliance with the conditions of EPBC Approval 2009/4976.

Conditions 54 and 55 of EPBC Approval 2009/4976 require an Annual Environmental Return to be produced and published on the Australia Pacific LNG website. This report has been prepared in accordance with Condition 54 and will be published in accordance with Condition 55.

Condition 54 states that:

*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.

Condition 55 states that:

*The proponent must publish the Annual Environmental Return 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.*

## 2. Details of Activities and Scope

Table 1 sets out the scope and details of the relevant activities subject to EPBC Approval 2009/4976 and this annual environmental return.

**Table 1 Key Approval and Project Details**

Element	Description
EPBC number:	2009/4976
Project Name:	APLNG Main Pipeline
Approval Holder and ABN:	Australia Pacific LNG Pty Limited, 68 001 646 331
The Approved Action:	<ul style="list-style-type: none"> <li>• To develop, construct, operate and decommission a high pressure gas transmission pipeline network to link coal seam gas fields to a LNG facility on Curtis Island (EPBC No 2009/4976)</li> </ul>
Location of the Project:	The pipeline route and Right of Way between Miles and Gladstone, Queensland Australia.
Person Accepting Responsibility for this Report:	Nicole Buchanski
Dates for the Reporting Period for the Report:	21 February 2021 to 20 February 2022 inclusive
Date of Preparation of the report:	4 March 2022

Compliance with the conditions of EPBC Approval 2009/4974 are set out in **Error! Reference source not found.**

## 3. Definitions/Acronyms

The status of findings utilised within this Annual Environmental Return are outlined and defined as per the below:

- Compliant – The condition during the reporting period.

- Non-compliant – The condition, or an aspect of the condition has not been met during the reporting period.
- Technical non-compliance – There is an administrative aspect of the condition that has not been met during the reporting period or a previous reporting period that has yet to be closed out.
- N/A – The condition has not been triggered during the reporting period.

Other definitions and acronyms of terms used in this report are set out in Table 2.

**Table 2 Terms and Acronyms**

Term/Acronym	Definition/Expansion
<b>AER</b>	Annual Environmental Return
<b>APLNG</b>	Australia Pacific LNG Pty Limited
<b>CMTF</b>	Management and Translocation Plan for <i>Cycas megacarpa</i>
<b>Department</b>	Department of Agriculture, Water and the Environment
<b>EA</b>	Environmental Authority
<b>EM Plan</b>	Environmental Management Plan
<b>EPBC Act</b>	<i>Environment Protection and Biodiversity Conservation Act 1999 (Cth)</i>
<b>EIS</b>	Environmental Impact Statement
<b>Ha</b>	Hectares
<b>HDD</b>	Horizontal Directional Drilling
<b>ID</b>	Identification
<b>MNES</b>	Matters of National Environmental Significance
<b>N/A</b>	Not applicable
<b>PPL</b>	Petroleum pipeline licence
<b>QGC/QCLNG</b>	Queensland Gas Company/Queensland Curtis Liquefied Natural Gas
<b>ROW</b>	Right of Way
<b>SDPWO Act</b>	<i>State Development and Public Works Organisation Act 1971 (Queensland)</i>

#### 4. Summary of Findings

The Main Pipeline project was completed during the 2014-2015 reporting period, therefore there has been limited work and therefore limited changes to this annual return compared to the 2020-2021 reporting period.

Unplanned maintenance was conducted in one small area (3.6 hectares) within the ROW which did not result in disturbance to any threatened species or habitat under the EPBC Act. There has also been some maintenance work conducted on the Inverness offset area (detailed in table 3) for this reporting period.

There are no non-compliances for this reporting period.

5. Compliance Findings

Table 3 Compliance findings EPBC Approval 2009/4976

Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments
<b>Project Area</b>			
1	The pipeline route and ROW is the area substantially depicted in the map at Attachment 1 and in the EIS and supplementary information provided pursuant to section 35(2) of the SDPWO Act 1971 (Qld).	Compliant	Construction was completed during the 2014-2015 reporting period and there has been no alteration or further construction.  Unplanned maintenance activity was conducted at approximately KP52 to rectify scour and erosion within a minor watercourse that occurred during the period. This activity did not involve direct impacts to MNES and involved limited (approximately 3.6ha) disturbance activities. No clearing or removal of woody native vegetation was required as part of these activities and the EMP was implemented during these works.
<b>Environmental Management Plan (excluding the Narrows)</b>			
2	The proponent must prepare an Environmental Management Plan 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.	Compliant	The Main Pipeline Environmental Management Plan, Q-1801-15-MP-0002 was prepared during construction of the pipeline.
3	The Environmental Management Plan must include: <ul style="list-style-type: none"> <li>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;</li> <li>b. Measures to minimise native and riparian vegetation clearance and to minimize the impact on listed species, their habitat and ecological communities in accordance with management plans required for MNES under this approval;</li> <li>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;</li> </ul>	Compliant	The Main Pipeline EM Plan (Q-1801-15-MP-0002) was approved by the Minister 30 November 2011.

Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments
	<ul style="list-style-type: none"> <li>d. Measures to regenerate vegetation on the ROW where natural regeneration is not successful;</li> <li>e. Measures to minimise impacts on fauna during pipeline construction including:                             <ul style="list-style-type: none"> <li>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 currently being undertaken</li> <li>ii. Mechanisms to allow fauna to escape from the pipeline trench</li> <li>iii. Daily morning surveys for trapped fauna</li> <li>iv. Mechanisms for a suitably qualified person to relocate fauna</li> <li>v. Record keeping for all survey, removal and relocation activities.</li> </ul> </li> <li>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 may be reconsidered by the proponent, based on success of control measures, the level of infestations and pipeline maintenance activities;</li> <li>g. Measures to manage and control feral animals that may spread due to the establishment of the ROW;</li> <li>h. Management of ignition sources during construction, maintenance and decommissioning of the pipeline to protect habitat values from wild fire;</li> <li>i. Measures for the management of acid sulphate soils.</li> </ul>		
4	<p>The Environmental Management Plan must be submitted for the approval of the Minister. Commencement must not occur without approval. The approved plan must be implemented.</p>	Compliant	<p>The approval of the plan and commencement of the activity under the plan, was completed in previous reporting periods.</p> <p>There was one unplanned maintenance activity at approximately KP52 to rectify scour and erosion within a minor watercourse that occurred during the period. This activity did not involve direct impacts to MNES and involved limited (approximately 3.6ha)</p>

Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments
			disturbance activities. No clearing or removal of woody native vegetation was required as part of these activities and the EMP was implemented during these works.

Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments
<b>Pre-clearance Survey</b>			
5	<p>Before the clearance of native vegetation in the pipeline ROW, the proponent must:</p> <ul style="list-style-type: none"> <li>a. Undertake pre-clearance surveys for the presence of listed threatened species and migratory species, their habitat and listed ecological communities;</li> </ul> <p>Alternatively, where recent surveys have already been undertaken and those surveys meet the Department's requirements for survey for the relevant MNES, the proponent may elect to develop management plans based on those surveys in accordance with the requirements of condition 8.</p>	Compliant	<p>Pre-clearance surveys were completed during the 2013-2014 reporting period. There was one unplanned maintenance activity at approximately KP52 however this was not at the site of listed threatened species and migratory species, their habitat or listed ecological communities, and the EMP was implemented during these works.</p>
6	<p>Pre-clearance surveys must:</p> <ul style="list-style-type: none"> <li>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 the Department's website;</li> <li>b. Be undertaken by a suitably qualified ecologist approved by the Department in writing;</li> <li>c. Document the survey methodology, results and significant findings in relation to MNES;</li> </ul> <p>Apply best practice site assessment and ecological survey methods appropriate for each listed threatened species, migratory species, their habitat and listed ecological communities.</p>	Compliant	<p>No native vegetation clearing was conducted during the reporting period.</p>
7	<p>Pre-clearance survey reports (which document the methods used and the results obtained) must be published by the proponent, on its website and be provided to the Department on request.</p>	Compliant	<p>Pre-clearance survey reports are published on the Australia Pacific LNG website. <a href="https://aplng.com.au/pre-clearance-surveys/">https://aplng.com.au/pre-clearance-surveys/</a></p>



Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments
8	<p>If a listed threatened species, 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 either condition 11 and 12, the proponent must submit a separate management plan for each species or ecological community to manage the unexpected impacts of clearing. In relation to each listed species or ecological community, each plan must address:</p> <ul style="list-style-type: none"> <li>a. The relevant characteristics describing each species, species habitat or ecological community;</li> <li>b. A map of the location of species, species habitat or ecological community in proximity to the ROW;</li> <li>c. Measures that will be employed to avoid impact on the species, species habitat or ecological community;</li> <li>d. A quantification of the unavoidable impact (in hectares and/or individual specimens);</li> <li>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, species habitat or the ecological community;</li> <li>f. Current legal status (under the EPBC Act);</li> <li>g. Known distribution.</li> </ul> <p>For listed species, each plan must also include:</p> <ul style="list-style-type: none"> <li>a. Known species populations and their relationships within the region;</li> <li>b. Biology and reproduction;</li> <li>c. Preferred habitat and microhabitat including associations with geology, soils, landscape features and associations with other native fauna and/or ecological communities;</li> <li>d. Anticipated threats to MNES from pipeline construction, operation and decommissioning;</li> <li>e. Management practices and methods to minimize impacts such as:                             <ul style="list-style-type: none"> <li>i. Site rehabilitation timeframes, standards and methods</li> <li>ii. Use of sequential clearing to direct fauna away from impact zones</li> <li>iii. Re-establishment of native vegetation in linear infrastructure corridors</li> <li>iv. Handling practices for flora specimens</li> </ul> </li> </ul>	N/A	The condition was not triggered during the reporting period. Construction activities were completed during the 2014-2015 reporting period.

Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments									
	v. Translocation and/or propagation practices and monitoring for translocation/propagation success vi. Monitoring methods including rehabilitation success and recovery. 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.	N/A	This condition was not triggered during the reporting period. Plans were submitted and construction was not started until plans were approved. Construction was completed during the 2014-2015 reporting period.									
10	If, during construction a 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. Each approved plan must be implemented.	N/A	The condition was not triggered during the reporting period because construction was completed during the 2014-2015 reporting period.									
<b>Disturbance Limits</b>												
11	(a) The following maximum disturbance limits apply to any disturbances authorized 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).  <table border="1" data-bbox="344 1075 1066 1295"> <thead> <tr> <th colspan="3" data-bbox="344 1075 1066 1120">Table 1: EPBC Listed threatened ecological communities</th> </tr> <tr> <th data-bbox="344 1120 613 1193">Ecological community</th> <th data-bbox="613 1120 786 1193">EPBC Status</th> <th data-bbox="786 1120 1066 1193">Disturbance Limit (ha)</th> </tr> </thead> <tbody> <tr> <td data-bbox="344 1193 613 1295">Brigalow (<i>Acacia harpophylla</i> dominant and co-dominant)</td> <td data-bbox="613 1193 786 1295">Endangered</td> <td data-bbox="786 1193 1066 1295">5.41</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	5.41	Compliant	There was one unplanned maintenance activity at approximately KP52 to rectify scouring and erosion, this activity did not involve direct impacts to MNES or listed threatened communities or potential habitat for listed threatened species or migratory species and involved limited (approximately 3.6ha) disturbance no woody vegetation was disturbed.
Table 1: EPBC Listed threatened ecological communities												
Ecological community	EPBC Status	Disturbance Limit (ha)										
Brigalow ( <i>Acacia harpophylla</i> dominant and co-dominant)	Endangered	5.41										

Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments															
	<table border="1" data-bbox="342 347 1066 794"> <tr> <td>Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions</td> <td>Endangered</td> <td>0.26</td> </tr> <tr> <td>Species</td> <td>EPBC Status</td> <td>Disturbance Limit (ha)</td> </tr> <tr> <td><i>Cycas megacarpa</i> (Large-fruited Zamia)</td> <td>Endangered</td> <td>470 individuals</td> </tr> <tr> <td><i>Cadellia pentastylis</i> (Ooline)</td> <td>Vulnerable</td> <td>10 individuals</td> </tr> <tr> <td><i>Xeromys myoides</i> (Water Mouse)</td> <td>Vulnerable</td> <td>15.6</td> </tr> </table> <p data-bbox="342 804 1339 887">(b) The proponent must prepare a reconciliation statement of impacts against the agreed limit of disturbance, as defined in condition 11(a). It must be updated by the proponent every 12 months from commencement until construction is complete.</p>	Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions	Endangered	0.26	Species	EPBC Status	Disturbance Limit (ha)	<i>Cycas megacarpa</i> (Large-fruited Zamia)	Endangered	470 individuals	<i>Cadellia pentastylis</i> (Ooline)	Vulnerable	10 individuals	<i>Xeromys myoides</i> (Water Mouse)	Vulnerable	15.6	N/A	(b) was not triggered during the reporting period because construction was completed during the 2014-2015 reporting period.
Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions	Endangered	0.26																
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<i>Xeromys myoides</i> (Water Mouse)	Vulnerable	15.6																
12	<p data-bbox="342 900 1321 954">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" data-bbox="342 967 1290 1362"> <tr> <td colspan="2">Table 2: Species management plans required before commencement</td> </tr> <tr> <td>Listed flora species</td> <td>EPBC Act Status</td> </tr> <tr> <td><i>Philothea sporadica</i></td> <td>Vulnerable</td> </tr> <tr> <td><i>Cadellia pentastylis</i> (Ooline)</td> <td>Vulnerable</td> </tr> <tr> <td><i>Cupaniopsis shirleyana</i> (Wedge-leaf Tuckeroo)</td> <td>Vulnerable</td> </tr> <tr> <td><i>Bothriochloa biloba</i> (Lobed Blue-grass)</td> <td>Vulnerable</td> </tr> <tr> <td><i>Polianthum minutiflorum</i> (Small-flowered polianthion)</td> <td>Vulnerable</td> </tr> </table>	Table 2: Species management plans required before commencement		Listed flora species	EPBC Act Status	<i>Philothea sporadica</i>	Vulnerable	<i>Cadellia pentastylis</i> (Ooline)	Vulnerable	<i>Cupaniopsis shirleyana</i> (Wedge-leaf Tuckeroo)	Vulnerable	<i>Bothriochloa biloba</i> (Lobed Blue-grass)	Vulnerable	<i>Polianthum minutiflorum</i> (Small-flowered polianthion)	Vulnerable	N/A	As reported in the 2013-2014 AER, Species Management Plans were prepared in accordance with the condition which was approved prior to commencement of construction. This condition was not triggered during the reporting period	
Table 2: Species management plans required before commencement																		
Listed flora species	EPBC Act Status																	
<i>Philothea sporadica</i>	Vulnerable																	
<i>Cadellia pentastylis</i> (Ooline)	Vulnerable																	
<i>Cupaniopsis shirleyana</i> (Wedge-leaf Tuckeroo)	Vulnerable																	
<i>Bothriochloa biloba</i> (Lobed Blue-grass)	Vulnerable																	
<i>Polianthum minutiflorum</i> (Small-flowered polianthion)	Vulnerable																	

Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments																										
	<table border="1"> <tr> <td data-bbox="349 347 952 391"><i>Eucalyptus virens</i> (Shiny-leaved Ironbark)</td> <td data-bbox="958 347 1288 391">Vulnerable</td> </tr> <tr> <td data-bbox="349 395 952 438"><i>Quassia bidwillii</i> (Quassia)</td> <td data-bbox="958 395 1288 438">Vulnerable</td> </tr> <tr> <td data-bbox="349 443 952 486"><i>Tylophora linearis</i> (Slender tylophora)</td> <td data-bbox="958 443 1288 486">Endangered</td> </tr> <tr> <td data-bbox="349 491 952 534"><i>Westringia parvifolia</i> (Small-leaved westringia)</td> <td data-bbox="958 491 1288 534">Vulnerable</td> </tr> <tr> <td data-bbox="349 539 952 598">Listed fauna species</td> <td data-bbox="958 539 1288 598">EPBC Act Status</td> </tr> <tr> <td data-bbox="349 603 952 646"><i>Furina dunmalli</i> (Dunmall's Snake)</td> <td data-bbox="958 603 1288 646">Vulnerable</td> </tr> <tr> <td data-bbox="349 651 952 694"><i>Egernia rugosa</i> (Yakka Skink)</td> <td data-bbox="958 651 1288 694">Vulnerable</td> </tr> <tr> <td data-bbox="349 699 952 758"><i>Geophaps scripta scripta</i> (Squatter pigeon – southern)</td> <td data-bbox="958 699 1288 758">Vulnerable</td> </tr> <tr> <td data-bbox="349 762 952 805"><i>Nyctophilus timoriensis</i> (Eastern Long-eared Bat)</td> <td data-bbox="958 762 1288 805">Vulnerable</td> </tr> <tr> <td data-bbox="349 810 952 853"><i>Chalinolobus dwyeri</i> (Large-eared Pied Bat)</td> <td data-bbox="958 810 1288 853">Vulnerable</td> </tr> <tr> <td data-bbox="349 858 952 901"><i>Xeromys myoides</i> (Water Mouse)</td> <td data-bbox="958 858 1288 901">Vulnerable</td> </tr> <tr> <td data-bbox="349 906 952 949"><i>Delma torquate</i> (Collared Delma)</td> <td data-bbox="958 906 1288 949">Vulnerable</td> </tr> <tr> <td data-bbox="349 954 952 989"><i>Denisonia maculate</i> (Ornamental Snake)</td> <td data-bbox="958 954 1288 989">Vulnerable</td> </tr> </table>	<i>Eucalyptus virens</i> (Shiny-leaved Ironbark)	Vulnerable	<i>Quassia bidwillii</i> (Quassia)	Vulnerable	<i>Tylophora linearis</i> (Slender tylophora)	Endangered	<i>Westringia parvifolia</i> (Small-leaved westringia)	Vulnerable	Listed fauna species	EPBC Act Status	<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>Nyctophilus timoriensis</i> (Eastern Long-eared Bat)	Vulnerable	<i>Chalinolobus dwyeri</i> (Large-eared Pied Bat)	Vulnerable	<i>Xeromys myoides</i> (Water Mouse)	Vulnerable	<i>Delma torquate</i> (Collared Delma)	Vulnerable	<i>Denisonia maculate</i> (Ornamental Snake)	Vulnerable		
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13	Each 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. Each approved plan must be implemented.	Compliant	As reported in the 2013-2014 AER, Species Management Plans were prepared in accordance with the condition which was approved prior to commencement of construction.																										
14	Disturbance of vegetation related to the construction and maintenance of the pipeline must be confined to the ROW. Any proposed siting of construction camps, vehicle access tracks, extra workspaces and pipe laydown areas outside of the ROW during construction must be undertaken so as to minimise potential adverse impacts on MNES.	Compliant	Construction activities were completed during the 2014-2015 reporting period and all disturbance has been restricted to the Right of Way.																										
<b>Offset - Cycas megacarpa</b>																													

Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments
15	To offset the unavoidable impacts to <i>Cycas megacarpa</i> the proponent must:	Compliant	The Inverness offset was secured by Voluntary Declaration under the Vegetation Management Act 1999 (2015/00172) and continues to be managed in accordance with the approved Inverness Offset Area Management Plan (Q-LNG01-15-MP-0544).
	a. Legally protect the environmental values of an area of at least 141 ha as an offset (the "offset area") for receiving no less than 1,800 and up to 2,820 translocation and propagated individuals (based on 1:6 ratio of the number of <i>Cycas megacarpa</i> individuals disturbed) by:	Compliant	192.7 ha was protected as part of the Inverness offset project and 2,584 <i>Cycas megacarpa</i> were planted as at 2017 which exceeds the minimum 1,800 required.
	i. within 44 months of the date of this approval:		
	I) implementing measures to secure a legal interest in a suitable offset area;	Compliant	The offset areas was legally secured by a voluntary declaration under the Vegetation Management Act 1999.
	II) implementing measures to maintain and improve the ecological condition of the offset area including control and management of weeds, fire, feral animals, access and grazing; and	Compliant	<p>The offset area has continued to be managed and monitored. Activities that have occurred include:</p> <ul style="list-style-type: none"> <li>- maintenance of planted cycads: brushcutting of cycad planting plots to reduce fire risk, insect control (spraying cycad crown with insecticide); spraying of weeds</li> <li>- maintenance of <i>Acacia pedleyi</i>: brushcutting of cycad planting plots, insect control; spraying of weeds</li> <li>- maintenance of access tracks: grading, brushcutting</li> <li>- General weed control where required</li> <li>- Cycad monitoring</li> <li>- <i>Acacia pedleyi</i> monitoring</li> </ul>

Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments
			- conducting a cool ecological burn to protect the cycad and A ped planting sites and for general ecological health of the offset site
	III) implementing measures to protect the existing <i>Cycas magacarpa</i> population within offset area; and	Compliant	See above - condition 15 II)
	ii) within 56 months of the date of this approval; securing the offset area to ensure that it is protected in perpetuity;	Compliant	Secured as a Voluntary Declaration under the Vegetation Management Act 1999.
	b. Identify alternative recruitment methods if it is considered unlikely that translocation and propagation will be successful;	N/A	Translocation was successful.
	c. Notify the Department in writing of the acquisition or transfer of ownership of the area identified in condition 15(a) within one month of securing the land;	N/A	This condition was not triggered for the reporting period.
	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 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;	Compliant	The Inverness offset area is being managed for the offset and no other actions related to managing that area has been undertaken during the reporting period.
	e. Demonstrate that the measures for securing and managing the offset will ensure that the offset is protected in perpetuity.	Compliant	Secured as per 14 a) ii).
<b><i>Cycas megacarpa</i> management plan</b>			
16	The proponent must prepare a <i>Cycas megacarpa</i> Management Plan in consultation with an expert approved by the Department in writing.	Compliant	The <i>Cycas megacarpa</i> Management and Translocation Plan (CMTP) (Q-LNG01-15-MP0118) was initially submitted in December 2011. The CMTP was updated and approved on 26 November 2014.

Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments
17	<p>The <i>Cycas megacarpa</i> management plan must include:</p> <ul style="list-style-type: none"> <li>a. Measures to ensure all <i>Cycas megacarpa</i> within the ROW are avoided. If avoidance is not possible, individual plants must be removed and kept offsite and replanted in the same location, or alternatively translocation. Where it can be demonstrated that removal and translocation of individuals is unlikely to succeed, translocation may be substituted by establishing propagated individuals;</li> <li>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 1,800 and up to 2,820 individuals (based on a 1:6 ratio of the number of <i>Cycas megacarpa</i> individuals disturbed) within the offset site required by condition 15(a).</li> <li>c. A detailed methodology for translocation, propagation and planting, including a map of the location of the offset site;</li> <li>d. Details of funding required to secure, maintain and enhance the values of the offset site in perpetuity;</li> <li>e. Details of a suitably qualified person to undertake translocation, propagation and planting;</li> <li>f. Details of the erosion and sediment control measures to be implemented in the ROW in the Callide and Calliope Ranges;</li> <li>g. Measures to rehabilitate the ROW in the Callide and Calliope Ranges;</li> <li>h. Measures for the control and management of weeds, fire, feral animals, access and grazing in translocation sites;</li> <li>i. Measures for management, maintenance and protection of the population of <i>Cycas megacarpa</i> individuals in the offset site for a period of five years following the final planting;</li> <li>j. Details of monitoring practices to assess the success of proposed management regimes of the offset;</li> </ul> <p>Performance measures, reporting requirements, trigger levels for corrective actions and identification of those actions to be taken to ensure performance measures are met.</p>	Compliant	The CMTP, including condition 17 a) to k), was approved November 2014.
18	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. Each approved plan must be implemented.	Compliant	The <i>Cycas megacarpa</i> Management Plan was approved by the Minister in November 2014 and is being implemented.

Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments
<b>Migratory Species</b>			
19	If a bundled pipeline crossing of the Narrows is not pursued then to offset the unavoidable impacts to 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 the conditions of the Gladstone Western Basin Dredging and Disposal Project (EPBC 2009/4904).	N/A	The condition is not applicable as a bundled pipeline crossing of the Narrows was undertaken.
<b>The Narrows crossing</b>			
20	<p>The proponent must prepare an Environmental Management Plan for the crossing of the Narrows. This must include:</p> <ul style="list-style-type: none"> <li>a. If the crossing is undertaken concurrently with the construction of one or more additional gas transmission pipelines (a bundled crossing):                             <ul style="list-style-type: none"> <li>i. The roles and responsibilities of each party involved in the bundled crossing</li> <li>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</li> <li>iii. Potential impacts from the construction of the pipeline on listed threatened species, ecological communities, migratory species and World and National Heritage-listed values in the Great Barrier Reef</li> <li>iv. Mitigation measures to reduce impacts on listed threatened species, ecological communities, migratory species and World and National Heritage-listed values in the Great Barrier Reef</li> <li>v. Proposed offset measures to compensate for unavoidable impacts on listed threatened species and ecological communities, listed migratory species and World and National Heritage-listed values in the Great Barrier Reef</li> <li>vi. Measures for the management of acid sulphate soils (both potential and actual)</li> <li>vii. Measures for ongoing maintenance and decommissioning of the pipelines; or</li> </ul> </li> <li>If the proponent does not proceed in a bundled crossing:</li> <li>b. A 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 (HDD) or tunnelling);</li> </ul>	N/A	The Environmental Management Plan for the crossing of the Narrows was previously approved prior to commencement of construction. No works under this plan was triggered during this reporting period.



Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments
	<ul style="list-style-type: none"> <li>i. Details of the final pipeline route, design and construction methodology including details of the inclusion of pipes for water supply and sewerage;</li> <li>ii. Potential impacts from the construction of the pipeline on listed threatened species, ecological communities, migratory species and World and National Heritage-listed values in the Great Barrier Reef;</li> <li>iii. Mitigation measures to reduce impacts on listed threatened species, ecological communities, migratory species and World and National Heritage-listed values in the Great Barrier Reef</li> <li>iv. Proposed offset measures to compensate for unavoidable impacts of the action on listed threatened species and ecological communities, listed migratory species and World and National Heritage-listed values in the Great Barrier Reef</li> <li>v. Measures for the management of acid sulphate soils (both potential and actual)</li> <li>vi. Measures for ongoing maintenance and decommissioning of the pipelines.</li> </ul>		
21	The Environmental Management Plan must be submitted for the approval of the Minister. Commencement in the location covered by the management plan must not start without approval. Each approved plan must be implemented.	N/A	The Environmental Management Plan for the crossing of the Narrows was previously approved prior to commencement of construction. No works under this plan was triggered during this reporting period.
22	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.	Compliant	Dredging relating to the Australia Pacific LNG Project was managed by QGC in accordance with the Dredge Management Plan (QCLNGBG-03-ENV-PLN-000073), under the Narrows Crossing Co-Operation Deed between QCLNG Pipeline Pty Ltd and Australia Pacific LNG Gladstone Pipeline Pty Ltd. All construction work has been completed.
23	The Dredge Management Plan required under these conditions must include: <ul style="list-style-type: none"> <li>a. Details of dredging methods, planned commencement, duration and frequency of dredging;</li> </ul>	Compliant	The Department confirmed compliance with this condition by correspondence dated 13 September 2012.

Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments
	<ul style="list-style-type: none"> <li>b. Identification of areas of potentially impacted seagrass habitat and their environmental tolerances;</li> <li>c. Site specific water quality objectives for the designated habitats as a guideline for habitat protection and that are in accordance with the National Water Quality Management Strategy including the Australia and New Zealand Guidelines for Fresh and Marine Water Quality, the Australian Guidelines for Water Quality Monitoring and Reporting, the Great Barrier Reef Water Quality Guidelines and the Queensland Water Quality Guidelines;</li> <li>d. Measures to refine the plume modelling data presented in the proponent’s EIS;</li> <li>e. Mitigation measures and controls for the dredging and spoil disposal activities;</li> <li>f. Triggers for initiating adaptive management and potential remediation measures;</li> <li>g. Monitoring of:                             <ul style="list-style-type: none"> <li>i. Potential impacts of dredging on seagrass including but not limited to turbidity and light attenuation;</li> <li>ii. The triggers established under condition 23(f)</li> <li>iii. The long term impacts of the action</li> </ul> </li> <li>h. Options, linked to the triggers established under condition 23(f), for adaptively managing the action – including options for varying the timing and location of dredging and spoil disposal activities;</li> <li>i. 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;</li> <li>j. Measures to minimize the impact on listed migratory birds from noise associated with the construction activities;</li> <li>k. Measures to prevent and respond to the introduction of marine pest species;</li> <li>l. Measures to protect dugongs and listed turtle including the use of turtle excluder devices;</li> <li>m. Details of dredge spoil placement;</li> <li>n. Provisions to sample and analyse dredge spoil composition.</li> </ul>		

Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments
24	The Dredge 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. Each approved plan must be implemented.	N/A	The Department approved the Dredge Management Plan (QCLNG-BG-03-ENV-PLN000073) on 7 August 2012 and confirmed compliance with this condition by correspondence on 13 September 2012. Construction activities were completed during the 2014-2015 reporting period.
<b>Location of pipeline (Callide range)</b>			
25	East of the Callide Range, the proponent must locate the pipeline within the Callide Infrastructure Corridor State Development Area substantially as indicated in the map at Attachment 1.	N/A	The main pipeline is located within the Callide Infrastructure Corridor State Development Area in accordance with the Material Change of Use approval issue by the Coordinator General on 24 August 2012. The construction activities were completing during the 2014-2015 reporting period and there were no construction activities during the reporting period.
<b>Water Crossings</b>			
26	Where reasonably possible HDD must be used for major waterway crossings, including: <ul style="list-style-type: none"> <li>a. This within the Dawson and Calliope 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 must not take place during the nesting and breeding season of the Fitzroy River Turtle;</li> <li>b. Humpie and Targinie Creeks.</li> </ul>	N/A	The construction activities were completed during the 2014-2015 reporting period. No waterway crossings were completed during the reporting period.
27	Trenchless techniques are not required in dry creek beds within the known distribution of the Fitzroy River Turtle ( <i>Rheodytes leukops</i> ) and Murray Cod ( <i>Maccullochella peelii</i> ) where the distance to the nearest water is sufficient to buffer any potential impacts resulting from the crossing technique or where the aquatic assessment has identified that MNES values can be protected through alternative construction methods.	N/A	Construction activities were completed during the 2014-2015 reporting period. No work has been completed in dry creek beds during the reporting period.

Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments
28	<p>The proponent must prepare an Aquatic Values Management Plan. This plan must include:</p> <ul style="list-style-type: none"> <li>a. A detailed assessment of aquatic values, including animal breeding locations for listed threatened and migratory species within the ROW;</li> <li>b. Measures to minimise impacts on listed riparian, aquatic and water dependent flora and fauna;</li> <li>c. Measures to minimise erosion and sediment impacts to waterways;</li> <li>d. Measures to maintain water quality and water flow requirements, including treatment and disposal methods for hydrostatic test water;</li> <li>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 (including the use of shallow turbid pools);</li> <li>f. Details of the MNES survey of the site where the pipeline will cross Cockatoo Creek. To avoid impacts to the <i>Eriocaulon carsonii</i> (Salt Pipewort), the requirements for the Aquatic Values Management Plan (a) to (e) above should be presented separately for Cockatoo Creek.</li> </ul>	N/A	The Aquatic Values Management Plan was prepared and approved prior to construction.
29	The Aquatic Values Management Plan must be approved in writing by the Minister. Commencement in the location covered by the management plan must not occur without approval. Each approved plan must be implemented.	N/A	This plan was previously approved prior to commencement of construction. No works under this plan was triggered during this reporting period.
<b>Impacts on EPBC-listed species resulting from activities associated with the pipeline crossing at Cockatoo Creek</b>			
30	If an EPBC listed species is identified during the survey required in condition 28(f), the proponent must develop and implement a management plan in accordance with the requirements of condition 8	Compliant	The condition was not triggered during the reporting period. The construction activities were completed during the 2014-2015 reporting period.
<b>Notification of commencement</b>			
31	Within 20 business days of commencement, the proponent must advise the Department in writing of the actual date of commencement.	N/A	Construction was completed during the 2014-2015 reporting period.

Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments
32	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 written agreement of the Minister.	N/A	It has been more than 5 years from the date of the approval.
<b>Request for variation of plans by the proponent</b>			
33	If the proponent wants to act other than in accordance with the plan approved by the Minister under these conditions, the proponent must submit a revised plan for the Minister's approval.	N/A	No revised plans were submitted during the reporting period.
34	If the Minister approves the revised plan, then that plan must be implemented instead of the plan originally approved.	Compliant	No revised plans have been submitted to the Minister during the reporting period. EM Plan Q1801-15-MP-0002 version 7 is being implemented.
35	Until the Minister has approved the revised plan, the proponent must continue to implement the original plan.	Compliant	No revised plans have been submitted to the Minister during the reporting period. EM Plan Q1801-15-MP-0002 version 7 is being implemented.
<b>Revisions to plans by the Minister</b>			
36	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.	N/A	No requests from the Minister were received during the reporting period.
37	If the Minister makes a request for a revision to a plan, the proponent must: <ul style="list-style-type: none"> <li>a. Comply with that request; and</li> <li>b. Submit the revised plan to the Minister for approval within a period specified in the request.</li> </ul>	N/A	The condition was not triggered during the reporting period because the Minister made no requests under S36.
38	The proponent must implement the revised plan on approval of the Minister.	N/A	The condition was not triggered during the reporting period.
39	Until the Minister has approved the revised plan, the proponent must continue to implement the original plan.	N/A	The condition was not triggered during the reporting period.

Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments
<b>Minimum timeframes for consideration of plans</b>			
40	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.	N/A	There is no plan under this approval submitted to the Minister for approval during this reporting period.
<b>Compliance with State environmental and other authorities</b>			
41	The proponent must comply with all environmental authorisations issued by the State, including conditions of an environmental authority issued under the EP Act.	Compliant	At a state level, Australia Pacific LNG is required to comply with conditions imposed by the Queensland Coordinator General under the <i>State Development and Public Works Organisation Act 1971</i> and the conditions of Environmental Authorities granted under the <i>Queensland Environmental Protection Act 1994</i> . During the reporting period, Australia Pacific LNG has complied with the relevant environmental authorisations to the extent that they apply to Matters of National Environmental Significance.
<b>Provision of State Plans</b>			
42	If a condition of a State approval requires the proponent to provide a new plan then the proponent must also provide the plan to the Department or Minister on request, within the period specified in the request.	N/A	No requests from the Department or Minister were received during the reporting period.
<b>Timeframes</b>			
43	If these conditions require the proponent to provide something by a specified time, a longer period may be specified in writing by the Minister.	N/A	Not applicable during the reporting period.
<b>Auditing</b>			

Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments
44	On request of and within a period specified by the Department, the proponent must ensure that: <ul style="list-style-type: none"> <li>a. An independent audit of compliance with these conditions is conducted; and</li> <li>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.</li> </ul>	N/A	No requests from the Minister were received during the reporting period.
45	Before the audit begins, the following must be approved by the Department: <ul style="list-style-type: none"> <li>a. An independent auditor; and</li> <li>b. The audit criteria.</li> </ul>	N/A	No requests from the Minister were received during the reporting period.
46	The audit report must include: <ul style="list-style-type: none"> <li>a. The component of the project being audited;</li> <li>b. The conditions that were activated during the period covered by the audit;</li> <li>c. A compliance/non-compliance table;</li> <li>d. A description of the evidence to support audit findings of compliance or non-compliance</li> <li>e. Recommendations on any non-compliance or other matter to improve compliance;</li> <li>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);</li> <li>g. Certification by the independent auditor of the findings of the audit report.</li> </ul>	N/A	No requests from the Minister were received during the reporting period.
47	The financial cost of the audit will be borne by the proponent.	N/A	No requests from the Minister were received during the reporting period.
48	The proponent must: <ul style="list-style-type: none"> <li>a. Implement any recommendations in the audit report, as directed in writing by the Department after consultation with the proponent;</li> <li>b. Investigate any non-compliance identified in the audit report; and</li> <li>c. If non-compliance is identified in the audit report – take action as soon as practicable to ensure compliance with these conditions.</li> </ul>	N/A	No requests from the Minister were received during the reporting period.

Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments
49	<p>If the audit report identifies any non-compliance with the conditions, within 20 business days after the audit report is submitted to the Department the proponent must provide written advice to the Minister setting out the:</p> <ul style="list-style-type: none"> <li>a. Actions taken by the proponent to ensure compliance with these conditions; and</li> <li>b. Actions taken to prevent a recurrence of any non-compliance, or implement any other recommendation to improve compliance, identified in the audit report.</li> </ul>	N/A	No requests from the Minister were received during the reporting period.
50	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:	Compliant	There were no non-compliances during the reporting period
51	<p>The proponent must:</p> <ul style="list-style-type: none"> <li>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</li> <li>b. Make those records available 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.</li> </ul>	Compliant	All records are being kept within Australia Pacific LNG's document control system.
52	<p>The proponent must:</p> <ul style="list-style-type: none"> <li>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</li> <li>b. Review and maintain the amount of financial assurance based on proponent reporting on compliance with these conditions, and any auditing of the activities.</li> </ul>	N/A	No financial assurance has been requested by the Minister during the reporting period.
53	The financial assurance is to remain in force until the Minister is satisfied that no claim is likely to be made on the assurance.	N/A	No financial assurance has been requested by the Minister during the reporting period.
54	<p>The proponent must produce an Annual Environmental Return which:</p> <ul style="list-style-type: none"> <li>a. Addresses compliance with these conditions;</li> <li>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;</li> <li>c. Identifies all non-compliance with these conditions; and</li> <li>d. Identifies any amendments needed to plans to achieve compliance with these conditions.</li> </ul>	Compliant	This document Q11801-01-RP-0004 satisfies this condition.



Condition Number	Condition	Is the project compliant with this condition	Evidence/Comments
55	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 confidentially and intellectual property rights of third parties.	Compliant	The 2021 Annual Return was published on the Project website on 11 March 2021. <a href="https://aplng.com.au/management-plans/">https://aplng.com.au/management-plans/</a>
56	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.	N/A	No requests for data were made during the reporting period.
57	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	All plans required by these conditions are available on the APLNG website <a href="https://www.aplng.com.au/management-plans">https://www.aplng.com.au/management-plans</a> .  The APLNG website contains a link to QGC's website where the Dredge Management Plan (QCLNG-BG-03-ENV-PLN000073) is located.
58	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.	N/A	No requests were made during the reporting period.

**6. Correcting Non-Compliances**

There were no non-compliances during the relevant reporting period.

**7. New Environmental Risks**

There have been no new environmental risks identified during the relevant reporting period.