





Integrated Gas

AUSTRALIA PACIFIC LNG ANNUAL ENVIRONMENTAL RETURN EPBC 2009/4976 2020-2021

EPBC 2009/4976 Pipelines Annual Environmental Return 2020-2021

Review record

Rev	Date	Reason for issue	Reviewer/s	Consolidator	Approver
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What can go wrong? What could cause it to go wrong? What can I do to prevent it?



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1. Purpose

The purpose of this Report is to report on compliance with the conditions of EPBC 2009/4976.

Condition 54 of EPBC 2009/4976 requires an Annual Environmental Return to be produced to identify compliance, non-compliance, impacts and amendments relating to the conditions of approval and Matters of National Environmental Significance (MNES). This Report has been prepared in accordance with condition 54.

Condition 54 requires that:

The proponent must produce an Annual Environmental Return which:

- a. Addresses compliance with these conditions;
- Records any unavoidable adverse impacts on MNES, mitigation measures applied to avoid adverse impacts on MNES; and any rehabilitation work undertaken in connection with any unavoidable adverse impact on MNES;
- c. Identifies all non-compliance with these conditions; and
- d. Identifies any amendments needed to plans to achieve compliance with these conditions.

Additionally, in accordance with condition 55, the Annual Environmental Return will be published on the Project website within 20 calendar days of the anniversary date of the Approval.

2. Scope

The reporting period relevant to this report is 21 February 2020 to 20 February 2021 inclusive. The scope of this Annual Environmental Return relates to the Australia Pacific LNG gas pipeline (with the exception of Ruby Spur gas pipeline). Compliance with Federal Approvals EPBC 2011/6221 and EPBC 2009/4794 are addressed in separate reports.

3. Acronyms/Definitions

Definitions for terms and acronyms can be found in Table 1 below.

Table 1: Terms and Acronyms

Term/Acronym	Definition/Expansion		
AER	Annual Environmental Return		
СМТР	Management and Translocation Plan for Cycas megacarpa		
Department	Department of the Environment and Energy		
EA	Environmental Authority		
EIS	Environmental Impact Statement		
EPBC Act	Environment Protection and Biodiversity Conservation Act 1999		
EM Plan	Environmental Management Plan		
HDD	Horizontal Directional Drilling		
На	hectare		
MNES	Matters of National Environmental Significance		
ROW	Right of Way		
OFI	Opportunities for improvement		
PPL	Petroleum Pipeline Licence		
QGC/QCLNG	Queensland Gas Company/ Queensland Curtis Liquefied Natural Gas		
SDPWO Act	State Development Public Works Organisation Act 1971		



4. Annual Environmental Return

4.1 Compliance

An assessment of compliance with the conditions of EPBC Approval 2009/4976 is set out in Table 2. It is noted that construction activities associated with the pipeline and associated infrastructure were completed during previous reporting periods. With the completion of the construction stage, a number of conditions were closed out.

4.2 Non-Compliances

No non-compliances with EPBC 2009/4976 were identified during the reporting period.

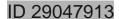
Table 2: Compliance EPBC 2009/4976

Condition Number			Compliance Statement						
Project Area	Project Area								
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).		No updates since the 2013-2014 Annual Environmental Return (AER). The condition has been closed with the completion of the construction activities during the 2014-2015 reporting period.						
Environmen	tal Management Plan (excluding the Narrows)								
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.		An Environmental Management Plan (EM Plan) was prepared for the pipeline during construction activities (Main Pipeline EM Plan Q-1801-15-MP-0002) as well as the Operational Environmental Management Plan Pipeline Operations and Maintenance CDN/ID5242206. These plans address these requirements.						
3	The Environmental Management Plan must include: 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 minimize 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; e. Measures to minimise impacts on fauna during pipeline construction including: i. Measures to protect MNES in the areas of the ROW where trenching is being undertaken, including measures to	Compliant	The Main Pipeline EM Plan Q-1801-15-MP-0002 satisfies this condition.						

Condition Number	Condition	Status	Compliance Statement
	exclude listed terrestrial fauna from gaining access to those areas of the ROW where trenching is currently 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 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 may be reconsidered by the proponent, based on 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. 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.		
4	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.	Compliant	The original Main Pipeline EM Plan (Q-1801-15-MP-0002) was approved by the Minister 30 November 2011. Construction on the Main pipeline system commenced in July 2012. The EM Plan Q-1801-15-MP-0002 version 7 was approved by the Minister on 8 March 2013.

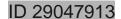


Condition Number	Condition	Status	Compliance Statement					
Pre-clearance Survey								
5	Before the clearance of native vegetation in the pipeline ROW, the proponent must: a. Undertake pre-clearance surveys for the presence of listed threatened species and migratory species, their habitat and listed ecological communities; 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.	Closed	Pre-clearance surveys commenced in September 2011 and were completed during the 2013-2014 reporting period. The condition has been closed with the completion of the construction activities during the 2014-2015 reporting period.					
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 the Department's website; 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; Apply best practice site assessment and ecological survey methods appropriate for each listed threatened species, migratory species, their habitat and listed ecological communities.	Closed	All pre-clearance surveys were conducted in accordance with the approval by the Department approved ecologists. The condition has been closed with the completion of the construction activities during the 2014-2015 reporting period.					
7	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.	Closed	All pre-clearance surveys are published on the Australia Pacific LNG website (http://www.aplng.com.au/environment/pre-clearance-surveys). The condition has been closed with the completion of the construction activities during the 2014-2015 reporting period.					

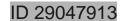


Condition Number	Condition	Status	Compliance Statement
8	If a listed threatened species, migratory species or their habitat, or a listed ecological community is encountered during the surveys undertaken as required by condition 5 and is not specified in either condition 11 and 12, the proponent must 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: a. The relevant characteristics describing each species, species habitat or ecological community; b. A map of the location of species, species habitat or 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, species habitat or the ecological	Closed	No additional species /habitat were encountered in the reporting period. The condition has been closed with the completion of the construction activities during the 2014-2015 reporting period.
	community; f. Current legal status (under the EPBC Act); g. Known distribution.		
	For listed species, each plan must also include: 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 ecological communities; d. Anticipated threats to MNES from pipeline construction, operation and decommissioning; e. Management practices and methods to minimize impacts such as: i. Site rehabilitation timeframes, standards and methods ii. Use of sequential clearing to direct fauna away from impact zones		

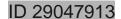
Condition Number	Condition	Status	Compliance Statement
	iii. Re-establishment of native vegetation in linear infrastructure corridors iv. Handling practices for flora specimens v. Translocation and/or propagation practices and monitoring for translocation/propagation success vi. Monitoring methods including 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.		The condition was not triggered during the reporting period. The condition has been closed with the completion of the construction activities 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.		No additional species /habitat were encountered in the reporting period. The condition has been closed with the completion of the construction activities during the 2014-2015 reporting period.



Disturba	ance Limits				
11	disturbances authorized threatened communities species or migratory spe operation and decommis activities).	(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 1: EPBC Listed threatened ecological communities			 (a) No disturbance during the reporting period (b) Disturbance activities were completed at the end of the 2013-2014 reporting period. No changes were made to the reconciliation statement provided in previous AER, refer Table 3 of this report.
	Ecological community	EPBC Status	Disturbance Limit (ha)		
	Brigalow (Acacia harpophylla dominant and co-dominant)	Endangered	5.41		
	Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions	Endangered	0.26		
	Species	EPBC Status	Disturbance Limit (ha)		
	Cycas megacarpa (Large-fruited Zamia)	Endangered	470 individuals		
	Cadellia pentastylis (Ooline)	Vulnerable	10 individuals		
	Xeromys myoides (Water Mouse)	Vulnerable	15.6		
	(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.				
12	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.			Closed	As reported in the 2013-2014 AER, Species Management Plans were prepared in accordance with the condition.
	Table 2: Species man	agement plans	required before		



	Listed flora species	EPBC Act Status		The condition has been closed with the completion of the construction activities during
	Philotheca sporadica	Vulnerable		the 2014-2015 reporting period.
	Cadellia pentastylis (Ooline)	Vulnerable		
	Cupaniopsis shirleyana (Wedge-leaf Tuckeroo)	Vulnerable		
	Bothriochloa biloba (Lobed Blue-grass)	Vulnerable		
	Polianthum minutiflorum (Small-flowered polianthion)	Vulnerable		
	Eucalyptus virens (Shiny-leaved Ironbark)	Vulnerable		
	Quassia bidwillii (Quassia)	Vulnerable		
	Tylophora linearis (Slender tylophora)	Endangered		
	Westringia parvifolia (Small-leaved westringia)	Vulnerable		
	Listed fauna species	EPBC Act Status		
	Furina dunmalli (Dunmall's Snake)	Vulnerable		
	Egernia rugosa (Yakka Skink)	Vulnerable		
	Geophaps scripta scripta (Squatter pigeon – southern)	Vulnerable		
	Nyctophilus timoriensis (Eastern Long-eared Bat)	Vulnerable		
	Chalinolobus dwyeri (Large-eared Pied Bat)	Vulnerable		
	Xeromys myoides (Water Mouse)	Vulnerable		
	Delma torquate (Collared Delma)	Vulnerable		
	Denisonia maculate (Ornamental Snake)	Vulnerable		
13	Each management plan must be submitted for the Minister. Commencement in the location covered management plan must not occur without approvaplan must be implemented.	by the	Closed	Activities commenced upon receipt of approval. No update since 2013-2014 AER. The condition has been closed with the completion of the construction activities during the 2014-2015 reporting period.



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	Closed	No non-compliances were identified. The condition has been closed with the completion of the construction activities during the 2014-2015 reporting period.
	construction must be undertaken so as to minimise potential adverse impacts on MNES.		the 2014-2013 reporting period.
Offset - Cycas	s megacarpa		
15	To offset the unavoidable impacts to <i>Cycas megacarpa</i> the proponent must: 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: i. within 44 months of the date of this approval: l) implementing measures to secure a legal interest in a suitable offset area; ll) 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 lll) implementing measures to protect the existing <i>Cycas magacarpa</i> population within offset area; and ii) within 56 months of the date of this approval; securing the offset area to ensure that it is protected in perpetuity; 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 15(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 the action is proposed to take place and an assessment of all associated adverse	Compliant	a. Closed. July 2014, access to the recipient site was secured through the execution of the Offset Agreement with the Inverness landholder. July 2015, the Inverness offset site was legally secured and protected via a Voluntary Declaration under the Vegetation Management Act 1999 (VM Act i) Closed in as per I) to-III) below. l) Closed. July 2014, access to the recipient site was secured through the execution of the Offset Agreement with the Inverness landholder. July 2015, the Inverness offset site was legally secured and protected via a Voluntary Declaration under the VM Act. II) Closed. Origin successfully translocated and planted into the Inverness offset area 261 salvaged cycads from the Australia Pacific LNG pipeline right of way in September 2014. Since then, over 2,300 propagated cycads have been planted into the Inverness offset area. Implementation of the Inverness Offset Area Management Plan (OAMP; Q-LNG01- 15-MP-0544, Revision 2), approved May 2015, has also been occurring. This ensures measures to maintain and improve the ecological condition of the offset area including control and management of weeds, fire, feral

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;

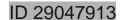
 Demonstrate that the measures for securing and managing the offset will ensure that the offset is protected in perpetuity. animals, access and grazing are being undertaken.

- III) Closed. The existing cycad population within the Inverness offset area benefits from the ongoing implementation of the management and monitoring actions as per the approved Inverness OAMP, together with the legal security and protection of the Inverness offset area provided by the Voluntary Declaration.
- ii) Closed. The Inverness Offset area has been legally secured and protected via a Voluntary Declaration under the VM Act.

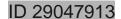
The Inverness Offset Area Management Plan (Revision 2, Q-LNG01-15-MP-0544) was approved in May 2015 by Commonwealth and State governments. In July 2015, the offset area was then legally secured and protected by a voluntary declaration under the Vegetation Management Act 1999.

Phase three of the *C. megacarpa* program has commenced, with 309 propagated seedlings planted in July 2015. In May 2017 a further 2014 propagated seedlings were planted at Inverness. A total of 2310 individuals are currently alive and being maintained. This is approximately 510 above the 1800 individuals required to be established in the offset area.

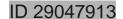
 Closed. Origin has successfully translocated, propagated and planted cycads into the Inverness offset area.



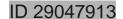
16	Cycas megacarpa management plan The proponent must prepare a Cycas megacarpa Management Plan in consultation with an expert approved by the Department in writing.	Closed	The Cycas megacarpa Management and Translocation Plan (CMTP) (Q-LNG01-15-MP-0118) was initially submitted in December 2011. The CMTP was updated and approved on 26 November 2014. This condition has been closed since November 2014.
			 c. Closed. The Department was notified both when the Offset Agreement was executed with the landholder and when the offset area was legally secured and protected via a Voluntary Declaration under the VM Act. d. d. Not applicable. No non-offset activities are proposed within the Inverness offset area. e. Closed. Through the executed Offset Agreement with the landholder, legal security and protection of the offset area via a Voluntary Declaration under the VM Act, as well as the implementation of the approved Inverness Offset Area Management Plan, appropriate measures for securing and managing the offset are in place to ensure it is protected in perpetuity.



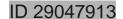
17	The	e Cycas megacarpa management plan must include:	Closed	The CMTP, including condition 17 a) to k), was
	a.	Measures to ensure all Cycas megacarpa within the ROW are		approved November 2014.
		avoided. If avoidance is not possible, individual plants must		
		be removed and kept offsite and replanted 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;		
	b.			
	0.	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</i>		
		megacarpa individuals disturbed) within the offset site required		
		by condition 15(a).		
	C.	A detailed methodology for translocation, propagation and		
	0.	planting, including a map of the location of the offset site;		
	d.			
	u.	the values of the offset site in perpetuity;		
	e.	Details of a suitably qualified person to undertake		
	0.	translocation, propagation and planting;		
	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		
	9.	Ranges;		
	h.	Measures for the control and management of weeds, fire, feral		
		animals, access and grazing in translocation sites;		
	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;		
	j.	Details of monitoring practices to assess the success of		
	'.	proposed management regimes of the offset;		
	k.			
		for corrective actions and identification of those actions to be		
		taken to ensure performance measures are met.		



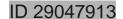
18	The Cycas megacarpa Management Plan must be submitted for the approval of the Minister. Commencement in the location covered by the management plan must not occur without approval. Each approved plan must be implemented.	Closed	The CMTP was approved by the Minister November 2014 and was implemented.
	Migratory Species		
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).	NA	The condition is not applicable as a bundled pipeline crossing of the Narrows was undertaken.
The Narrov	vs crossing		
20	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 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 in 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 in the Great Barrier Reef 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	Closed	As reported in the 2013-2014 AER, the Environmental Management Plans were prepared in accordance with the condition. The condition has been closed with the completion of the construction activities during the 2014-2015 reporting period.



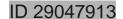
	vi. Measures for the management of acid sulphate soils (both potential and actual) vii. Measures for ongoing maintenance and decommissioning of the pipelines; or If the proponent does not proceed in a bundled crossing: b. A construction method which, in the opinion of the Minister, will result in minimal 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); i. Details of the final pipeline route, design and construction methodology including details of the 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 in the Great Barrier Reef; 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 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 v. Measures for the management of acid sulphate soils (both potential and actual) Measures for ongoing maintenance and decommissioning of the pipelines.		Construction commonand upon receipt of
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.	Closed	Construction commenced upon receipt of approval. No update since 2013-2014 AER. The condition has been closed with the completion of the construction activities during the 2014-2015 reporting period.



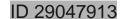
22	If the pipeline construction involves dredging to be undertaken by the proponent under the approval to which these conditions are attached, the proponent must prepare a Dredge Management Plan.	Closed	Dredging relating to the Australia Pacific LNG Project was managed by QGC in accordance with their Dredge Management Plan (QCLNG- BG-03-ENV-PLN-000073), under the Narrows Crossing Co-Operation Deed between QCLNG Pipeline Pty Ltd and Australia Pacific LNG Gladstone Pipeline Pty Ltd. The condition has been closed with the
			completion of the construction activities during the 2014-2015 reporting period.
23	The Dredge Management Plan required under these conditions must include: 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. 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; d. Measures to refine the plume modelling data presented in the proponent's EIS; e. Mitigation measures and controls for the dredging and spoil disposal activities; f. Triggers for initiating adaptive management and potential remediation measures; g. Monitoring of: i. Potential impacts of dredging on seagrass including but not limited to turbidity and light attenuation; ii. The triggers established under condition 23(f) iii. The long term impacts of the action h. Options, linked to the triggers established under condition	Closed	The Department confirmed compliance with this condition in their letter dated 13 September 2012.
	23(f), for adaptively managing the action – including		



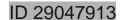
24	options for varying the timing and location of dredging and spoil disposal activities; i. Details for monitoring of dredging activities, including timing and variables measured such as turbidity and light attenuation in a format as directed by the Department to allow validation of other modelling of dredging impacts relating to the Port of Gladstone; j. Measures to minimize the impact on listed migratory birds from noise associated with the construction activities; k. Measures to prevent and respond to the introduction of marine pest species; l. Measures to protect dugongs and listed turtle including the use of turtle excluder devices; m. Details of dredge spoil placement; Provisions to sample and analyse dredge spoil composition. The Dredge Management Plan must be submitted for the approval of the Minister. Commencement in the location covered by the	Closed	The Department approved the Dredge Management Plan (QCLNG-BG-03-ENV-PLN-
	management plan must not occur without approval. Each approved plan must be implemented.		000073) on 7 August 2012 and confirmed compliance with this condition in their letter dated 13 September 2012.
			The condition has been closed out with the completion of the construction activities during the 2014-2015 reporting period.
Location of	pipeline (Callide range)		
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.	Closed	The main pipeline is located within the Callide Infrastructure Corridor State Development Area in accordance with the approval of a Material Change of Use of the premises issued by the Coordinator General on 24 August 2012.
			The condition has been closed with the completion of the construction activities during the 2014-2015 reporting period.



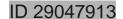
Water Crossing	gs		
26	Where reasonably possible HDD must be used for major waterway crossings, including: a. This within the Dawson and Calliope River catchments and any water crossing within the known distribution of the Fitzroy River Turtle (Rheodytes leukops) and Murray Cod (Maccullochella peelii). Pipeline construction across waterways must not take place during the nesting and breeding season of the Fitzroy River Turtle; Humpie and Targinie Creeks.	Closed	HDD has been utilised to cross Humpie and Targinnie Creeks under the Narrows Crossing Co-Operation Deed between QCLNG Pipeline Pty Ltd and Australia Pacific LNG Gladstone Pipeline Pty Ltd. The condition has been closed with the completion of the construction activities during the 2014-2015 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.	Closed	No update since 2013-2014 AER. The condition has been closed with the completion of the construction activities during the 2014-2015 reporting period.
28	The proponent must prepare an Aquatic Values Management Plan. This plan must include: a. 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 (including the use of shallow turbid pools);	Closed	As reported in the 2013-2014 AER, the Aquatic Values Management Plans (Q-1800-15-MP-0040 and QCLNG-BG03-ENV-RPT-000087) was prepared in accordance with the condition. The condition has been closed with the completion of the construction activities during the 2014-2015 reporting period.



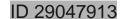
29	Details of the MNES survey of the site where the pipeline will cross Cockatoo Creek. To avoid impacts to the <i>Eriocaulon carsonii</i> (Salt Pipewort), the requirements for the Aquatic Values Management Plan (a) to (e) above should be presented separately for Cockatoo Creek. The Aquatic Values Management 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.	Closed	Construction commenced upon receipt of approval. No update since 2013-2014 AER. The condition has been closed with the completion of the construction activities during the 2014-2015 reporting period.
Impacts o	n EPBC-listed species resulting from activities associated with the p	oipeline cross	ing at Cockatoo Creek
30	If an EPBC listed species is identified during the survey required in condition 28(f), the proponent must develop and implement a	Closed	The condition was not triggered during the reporting period.
	management plan in accordance with the requirements of condition 8		The condition has been closed with the completion of the construction activities during the 2014-2015 reporting period.
Notification	on of commencement	•	
31	Within 20 business days of commencement, the proponent must advise the Department in writing of the actual date of commencement.	Closed	Commencement occurred on 11 July 2012.
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.	Not Applicable	Commencement occurred on 11 July 2012.
Request f	or variation of plans by the proponent		
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.	Compliant	The original Main Pipeline EM Plan (Q-1801-15-MP-0002) was approved by the Minister 30 November 2011. Construction on the Main pipeline system commenced in July 2012.
			The EM Plan Q-1801-15-MP-0002 version 7 was approved by the minister on 8 March 2013.
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 Q-1801-15-MP-0002 version 7 is being implemented.



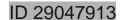
35	Until the Minister has approved the revised plan, the proponent must continue to implement the original plan.	Compliant	No revised plans have been submitted to the Minister during the reporting period. EM Plan Q-1801-15-MP-0002 version 7 is being implemented.
Revisions	to plans by the Minister		
36	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.	Compliant	The Minister has made no requests during the reporting period.
37	If the Minister makes a request for a revision to a plan, the proponent must:	Not triggered	The condition was not triggered during the reporting period.
	a. Comply with that request; and		
	 Submit the revised plan to the Minister for approval within a period specified in the request. 		
38	The proponent must implement the revised plan on approval of the Minister.	Not triggered	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.	Not Applicable	The condition was not triggered during the reporting period.
Minimum	timeframes for consideration of plans		
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	Compliant	The original Main Pipeline EM Plan (Q-1801-15-MP-0002) was approved by the Minister 30 November 2011. Construction on the Main pipeline system commenced in July 2012.
	proponent and the Minister.		The EM Plan Q-1801-15-MP-0002 version 7 was approved by the minister on 8 March 2013.



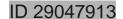
Compliar	nce with State environmental and other authorities		
41	The proponent must comply with all environmental authorisations issued by the State, including conditions of an environmental authority issued under the EP Act.	Compliant	At a state level, Australia Pacific LNG is required to comply with conditions imposed by the Queensland Coordinator General and the conditions of Environmental Authorities issued by the Department of Environment and Heritage Protection. 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.
Provision	n of State Plans		
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.	Not triggered	The Minister has made no requests during the reporting period.
Timefram	nes		
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.	Not triggered	Not applicable during the reporting period.



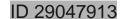
Auditing			
44	On request of and within a period specified by the Department, the proponent must ensure that:	Not Triggered	No requests from the Minister were received during the reporting period.
	An independent audit of compliance with these conditions is conducted; and		
	 An audit report, which addresses the audit criteria to the satisfaction of the Department, is published on the internet and submitted to the Department. 		
45	Before the audit begins, the following must be approved by the Department:	Not Triggered	No requests from the Minister were received during the reporting period.
	a. An independent auditor; and		
	b. The audit criteria.		
46	The audit report must include:	Not	No requests from the Minister were received
	 a. The component of the project being audited; 	Triggered	during the reporting period.
	b. The conditions that were activated during the period		
	covered by the audit;		
	c. A compliance/non-compliance table;d. A description of the evidence to support audit findings		
	of compliance or non-compliance;		
	e. Recommendations on any non-compliance or other matter to improve compliance;		
	f. A response by the proponent to the recommendations in the report (or, if the proponent does not respond within 20 business days of a request to do so by the auditor, a statement by the auditor to that effect);		
	 g. Certification by the independent auditor of the findings of the audit report. 		
47	The financial cost of the audit will be borne by the proponent.	Not Triggered	No requests from the Minister were received during the reporting period.



48	a. Implement any recommendations in the audit report, as directed in writing by the Department after consultation with the proponent; b. Investigate any non-compliance identified in the audit report; and c. If non-compliance is identified in the audit report – take action as soon as practicable to ensure compliance with these conditions.	Not Triggered	No requests from the Minister were received during the reporting period.
49	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: a. Actions taken by the proponent to ensure compliance with these conditions; and b. Actions taken to prevent a recurrence of any non-compliance, or implement any other recommendation to improve compliance, identified in the audit report.	Not Triggered	No requests from the Minister were received during the reporting period.
Reporting non	-compliance		
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: 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.	Compliant	The non-compliance identified during preparation of the previous Annual Environmental Return was notified to the Department as part of that report.



Record-ke	eeping		
51	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 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	Compliant	All records are being kept within Australia Pacific LNG's document control system.
Financial	these conditions. Assurance		
52	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 Review and maintain the amount of financial assurance based	Not Triggered	No financial assurance has been requested by the Minister during the reporting period.
53	on proponent reporting on compliance with these conditions, and any auditing of the activities. The financial assurance is to remain in force until the Minister is	Not	No financial assurance has been requested by
	satisfied that no claim is likely to be made on the assurance.	Triggered	the Minister during the reporting period.
Annual Er	nvironmental Return		
54	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-compliance with these conditions; and Identifies any amendments needed to plans to achieve compliance with these conditions.	Compliant	This document CDN/ID 29094397 satisfies this condition.



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 2020 AER was published on the Project website on 12 March 2020. https://www.aplng.com.au/about-us/compliance/management-plans.html		
Survey Data					
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.	Compliant	No requests for data were made during the reporting period.		
Publication of Plans					
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 (this reporting period)	Noting that the EMP Plan Q-1801-15-MP-0002 version 7 was approved by the minister on 8 March 2013. During the previous reporting period, it was identified that this plan was not available on the website. This was rectified 7 March 2017.		
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.	Compliant	No requests were made during the reporting period.		



5. Reconciliation of Disturbance Limits

Condition 11(a) allows for maximum disturbance limits for unavoidable impacts upon listed threatened communities and potential habitat for listed threatened species and migratory species as a result of the construction, operation and decommissioning.

Condition 11(b) requires that the proponent prepare a reconciliation statement identifying the impacts against the agreed disturbance limits.

Please refer to **Table 3** for a statement of clearing impacts.

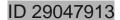
Table 3: Clearing Impacts Reconciliation Statement

Table 1: EPBC Listed threatened ecological communities				
Ecological Community	EPBC Status	Approved Disturbance Limit (ha)	Clearing Impact (total to date) (ha)	
Brigalow (Acacia harpophylla dominant and co-dominant)	Endangered	5.41	1.10	
Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions	Endangered	0.26	0.24	
Species	EPBC Status	Disturbance Limit (ha)		
Cycas megacarpa (Large-fruited Zamia)	Endangered	470 individuals	357	
Cadellia pentastylis (Ooline)	Vulnerable	10 individuals	1	
Xeromys myoides (Water Mouse)	Vulnerable	15.6 4.88		

Note: Clearing was completed in the 2013-2014 reporting period. As shown in Table 4, all clearing values are below the approved disturbance limits.

6. Record keeping

Evidence captured as part of this Annual Environmental Report is stored in Opentext.



7. References/Associated documents

Documents references in this Environmental Annual Return are listed below.

Document Number	Title
Q-LNG01-15-MP-0118	Cycas megacarpa Management and Translocation Plan
Q-1801-15-MP-0002	Main Pipeline Environmental Management Plan
Q-1800-15-MP-0004	Operations Environmental Management Plan
Q-LNG01-15-MP-0074	Pipeline Threatened Fauna Management Plan
Q-1802-15-MP-0017	Environmental Management Plan PPL162 Terrestrial
QCLNG-BG-03-ENV-PLN-000073	Dredge Management Plan
Q-LNG01-15-MP-0544	Inverness Offset Area Management Plan

8. Document information and history

DOCUMENT CUSTODIAN GROUP

Title	Name/s
General Manager – RAC and Process Safety	Gary Williams

DOCUMENT AUTHOR

Position	Name		
Environment SME	Mack Dreyer		

DOCUMENT HISTORY

Rev	Date	Changes made in document	Reviewer/s	Consolidator	Approver
А	9/03/2021	Issued for content review	G Wicks T Hancox	-	-
0	11/03/2021	Issued for Information	-	M Dreyer	G Williams