



## Integrated Gas

# AUSTRALIA PACIFIC LNG EPBC 2009/4974 GASFIELDS ANNUAL ENVIRONMENTAL RETURN 22 February 2023 - 21 February 2024

### Review record

Rev	Date	Reason for issue	Reviewer/s	Consolidator	Approver
0	12/03/24	Issued for Information	D Kahle G Leahy L James C Owen	A Sandeep	J Rodda

Review due: N/A  
Review frequency: N/A

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### THE THREE WHATS

What can go wrong?  
What could cause it to go  
wrong?  
What can I do to prevent it?

## Table of contents

1.	Purpose	3
2.	Details of Activities and Scope	3
	2.1 Approval Variation	4
3.	Definitions/Acronyms	4
4.	Summary of Findings	5
5.	Compliance Findings	6
6.	Correcting Non-Compliances	49
7.	New Environmental Risks	49

## List of tables

Table 1	Key Approval and Project Details	3
Table 2	Terms and Acronyms	4
Table 3	Compliance findings EPBC Approval 2009/4974	6
Table 4	Summary of Corrective Actions	49

## 1. Purpose

The purpose of this document is to address compliance with the conditions of *Environment Protection and Biodiversity Conservation Act* (EPBC) Approval 2009/4974.

Conditions 112 and 113 of EPBC Approval 2009/4974 require an Annual Environmental Return (AER) to be produced and published on the Australia Pacific LNG website. This report has been prepared in accordance with Condition 112 and will be published in accordance with Condition 113.

Condition 112 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 113 states that:

*The proponent must publish the Annual Environmental Return on the Internet within 20 business days of each anniversary date of this approval.*

*Note: In complying with this publication requirement, the proponent must ensure that it has considered relevant 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 2009/4974 and this AER.

**Table 1 Key Approval and Project Details**

Element	Description
EPBC number:	2009/4974
Project Name:	APLNG Gasfields
Approval Holder and ABN:	Australia Pacific LNG Pty Limited, 68 001 646 331
The Approved Action:	To develop, construct, operate and decommission the coal seam gas resources in the Walloons gas fields within the Surat Basin in south central Queensland with up to 10,000 CSG wells, to supply natural gas for the related proposal for the APLNG natural gas liquefaction and export facility to be located on Curtis Island: <ul style="list-style-type: none"> <li>• as described in the proponent's referral received under the EPBC Act on 6 July 2009; and</li> <li>• as described in the proponent's Environmental Impact Statement and supplementary information provided pursuant to section 35(2) of the SDPWO Act.</li> </ul>
Location of the Project:	Surat Basin, south central Queensland
Person Accepting Responsibility for this Report:	Jamie Rodda
Dates for the Reporting Period for the Report:	22 February 2023 to 21 February 2024 inclusive
Date of Preparation of the report:	12 March 2024

## 2.1 Approval Variation

EPBC Act Approval 2009/4974 is currently subject to a variation request submitted to the Department in June 2021. This variation seeks to streamline and contemporise the existing approval conditions and align with more recent EPBC Act approvals related to the APLNG Project.

The variation also proposes a number of revised management plans, which have been submitted for consideration and approval. The relevance of this variation is highlighted in the AER findings as appropriate.

## 3. Definitions/Acronyms

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

- **Compliant** – Condition has been met during the reporting period.
- **Non-compliant** – Condition, or an aspect of the condition, has not been met during the reporting period.
- **Non-compliance (technical)** – 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. These instances are intricately associated with the Department's pending approval of variation requests and pending approval of management plan variations.
- **N/A** – 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
<b>CDN</b>	Controlled Document Number
<b>CIMG</b>	CSG Industry Monitoring Group
<b>CMA</b>	Cumulative Management Area
<b>CSG</b>	Coal seam gas
<b>CSG WMMP</b>	Coal seam gas Water Monitoring and Management Plan
<b>Cth</b>	Commonwealth
<b>EIS</b>	Environmental Impact Statement
<b>EP Act</b>	<i>Environmental Protection Act 1994</i> (Queensland)
<b>EPBC Act</b>	<i>Environment Protection and Biodiversity Conservation Act 1999</i> (Cth)
<b>Ha</b>	Hectares
<b>ID</b>	Identification
<b>LNG</b>	Liquefied natural gas
<b>MDTs</b>	Modular dynamic formation test
<b>MNES</b>	Matters of National Environmental Significance
<b>N/A</b>	Not Applicable
<b>OAMP</b>	Offset Area Management Plan
<b>OGIA</b>	Office of Groundwater Impact Assessment
<b>QWC</b>	Queensland Water Commission
<b>RRRMP</b>	Remediation, Rehabilitation, Recovery and Monitoring Plan
<b>SDPWO Act</b>	<i>State Development and Public Works Organisation Act 1971</i> (Queensland)

<b>TEC</b>	Threatened Ecological Community
<b>TFMP</b>	Threatened Fauna Management Plan
<b>TFLMP</b>	Threatened Flora Management Plan
<b>UWIR</b>	Underground Water Impact Report
<b>WMMP</b>	Water Monitoring and Management Plan

#### 4. Summary of Findings

A number of 'non-compliance (technical)' have been recorded during the reporting period. These non-compliances (technical) are administrative in nature and do not result in an unauthorised direct or indirect impact to MNES. In most instances these technical non-compliances have been previously reported to the Department in the previous AER and are subject to the variation outlined in Section 2.1 that is currently under assessment.

The non-compliances (technical) pertain to the execution of approved management plans and can be categorized into two categories. The category in which most of the non-compliances (technical) fall, relate to minor instances where not all aspects of an approved plan have been implemented. These have all been reported to the Department during a previous reporting period and actions in response to the original non-compliance included revising the approved management plan. Despite submission to the Department for consideration and approval, none of these revised plans have been approved to date, maintaining the technical non-compliance status.

The other category of non-compliances (technical) involves the implementation of a management plan (or its component) that has not yet received approval from the Minister. In these cases, APLNG has enacted a more contemporary plan than the one currently endorsed by the Minister under the existing approval. Although the implemented plan was presented to the Department in a previous reporting period, it awaits approval from the Minister.

All these non-compliances (technical) are associated with revised management plans currently undergoing review, assessment, and approval within the framework of the variation outlined in Section 2.1.

In addition to the non-compliances (technical), a limited number of 'non-compliant' findings have been identified in this reporting period. These findings specifically pertain to:

- A minor administrative discrepancy related to the publication of two management plans.

Detailed information on these findings is provided in Table 3, and Section 6 outlines a summary of the key actions to rectify and close out these non-compliances.

5. Compliance Findings

Table 3 Compliance findings EPBC Approval 2009/4974

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
<b>Project Areas</b>			
1	The project area is the area designated as the Project Area in Figure 1	Compliant	The project is undertaken in accordance with the area depicted in Figure 1.
<b>Infrastructure Limits</b>			
2	Impacts must be limited to a maximum of 10,000 production wells and impacts related to associate gas field development.	Compliant	These limits have not been exceeded.
<b>Constraints Planning and Field Development Protocol</b>			
3	The approval holder must implement the Protocol for Constraints Planning and Field Development (the Protocol). The Protocol must: <ul style="list-style-type: none"> <li>a. detail the constraints which will apply to project activities with regard to their impact on MNES, including their impact on the habitat of EPBC Act listed species; and</li> <li>b. be based on levels of constraints, including, but not limited to:                             <ul style="list-style-type: none"> <li>i. the listing status of MNES;</li> <li>i. the quality of the MNES and the habitat of EPBC Act listed species;</li> <li>ii. the number of different MNES impacted by a project activity; and</li> <li>iii. the value of the MNES and habitat of EPBC Act listed species for MNES in a regional context.</li> </ul> </li> </ul>	Compliant	The Constraints Planning and Field Development Protocol (Q-LNG01-15-MP-0109), October 2019, Rev 3 was approved by the Department on 12 February 2021 as part of a variation to EPBC Act Approval 2009/4974, approved on that same date. The Protocol has been implemented during the reporting period.
<b>Management plans for listed species and ecological communities</b>			
7	Before commencement of each major stage of gas field development the proponent must develop management plans for that area, which include terrestrial ecology habitat management guidelines, addressing each listed species and listed ecological community that, as indicated	Compliant	The fulfillment of this requirement has been previously achieved through the development of the following plans:

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Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	<p>through assessment or more recent information, may be potentially impacted by that stage of gas field development within the project area, or external to the project area. The management plans must address as a minimum, the ecological communities and species and their habitat as specified in Table 1, 2, and 3 of these conditions:</p> <p>Note 1: The proponent may develop management plans to align with the requirements of the Queensland Government where there are species and ecological communities covered by both Queensland requirements and the requirements of this approval.</p> <p>Note 2: Major stages of development are to be notified under condition 90.</p> <p><i>[Table 1: Species management plans required before commencement]</i></p> <p>Note: Table 1 is derived from Volume 2: Gas Fields, Chapter 23: Matters of National Environmental Significance including Section 23.4 EPBC Act significant impact criteria assessment; Section 23.5 Threatened Species; Table 23.3 Likely occurrence of threatened flora species within the study area; Table 23.4 Likely occurrence of threatened terrestrial fauna species within the study area; Section 23.6 Listed migratory species; and Table 23.5 Likely occurrence of migratory terrestrial species within the study area of the APLNG EIS of March 2010; and from listed threatened species profiles available on the Department’s website.</p>		<ul style="list-style-type: none"> <li>Gas Fields Threatened Ecological Community Management Plan (Q-LNG01-15-MP-0114)</li> <li>Gas Fields Threatened Fauna Management Plan (Q-LNG01-15-MP-0113)</li> <li>Gas Fields Threatened Flora Management Plan (Q-LNG01-15-MP-1018)</li> </ul> <p>These plans were created and have received approval for implementation across the entire project area covered by this approval. There have been no additional 'major stages' commenced during this reporting period.</p>
8	<p>The management plans required under condition 7 must be developed by a qualified ecologist approved in writing by the Department and as a minimum address the following as relevant to each MNES:</p> <ol style="list-style-type: none"> <li>current legal status (under EPBC Act);</li> <li>known distribution;</li> <li>known species’ populations and their relationships within the region;</li> </ol>	Non-Compliance (technical)	<p>In the reporting period of 2015-2016, APLNG conducted a directed independent audit and submitted its findings to the Department, revealing that groundwater monitoring was not addressed in the Threatened Fauna Management Plan (TFMP) or the Threatened Flora Management Plan (TFLMP).</p> <p>Subsequently, the TFMP and TFLMP were updated to rectify the deficiencies identified in the audit. The revised plans were then submitted to the Department on 15 July 2016, for</p>

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	<p>d. extent of ecological community fragmentation within the region and if appropriate minimum patch size for that community;</p> <p>e. to support field identification and ecological surveys, description of the relevant characteristics of the ecological community;</p> <p>f. species' biology, reproduction and description of general habitat;</p> <p>g. to support field identification and ecological surveys, description of the species' habitat, which may be described in terms of essential habitat and microhabitat, associations with geology, soils, landscape features, associations with other native fauna and/or flora or ecological communities, and specific niche habitat descriptions;</p> <p>Note: Constraints mapping may be limited by available data for many species and may therefore be inadequate to map habitat requirements for planning and management purposes, or to indicate presence without on ground assessment. Condition 8 (g) requires the essential components of a species' habitat to be described where relevant to support field identification and environmental constraints decision making. This should include essential habitat components for widely distributed species present in low numbers and for other species likely to be present but not often observed.</p> <p>h. threats to MNES relating to the development and management of land within the gas fields including from the development, operation and decommissioning of infrastructure within the gas fields; and from groundwater extraction and aquifer depressurisation, CSG water use and disposal, whether the threat is within or outside the gas field development area;</p>		<p>approval, addressing the requirements of condition 8. After receiving feedback from the Department, further revisions were made, and revised TFMP and TFLMP were resubmitted on 15 May 2017, and 30 May 2017, respectively. However, as of now, the Department has not granted approval for these revisions.</p> <p>In June 2021, APLNG submitted a variation to the Approval seeking modifications to condition 7 and other aspects related to the content of the management plans. As part of this variation, a revised MNES Management Plan has been submitted, aiming to encompass and supersede the management plans listed under the existing condition 7.</p> <p>While the Minister has not yet approved this variation, APLNG and the Department have agreed on the content of the revised management plans and condition 8 for variation. APLNG provided formal agreement to be draft variation conditions on 27 October 2022 and submitted the final revised version of the MNES Management Plan on 26 October 2022. On 24 January 2023, APLNG was informed that the decision brief for the variation was still with the Director and had not yet been presented to the Delegate for approval. As of now, the variation and MNES management plan have not been formally approved by the Minister; APLNG continued to engage with the Department throughout 2023 with an aim to progressing the variation request and revised management plans to approval with the most recent meeting occurring on 15 February 2024.</p>



Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	<p>Note: This part of a management plan may also indicate that a species or its habitat can co-exist with specific types of gas field operations.</p> <ul style="list-style-type: none"> <li>i. relevant management practices and methods to minimise impact and recover from impact that should include:                             <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 an impact zone;</li> <li>iii. re-establishment of native vegetation in linear infrastructure corridors;</li> <li>iv. welfare and safe handling of fauna specimens requiring relocation from impact sites;</li> <li>v. handling practices for flora specimens;</li> <li>vi. translocation practices and monitoring for translocation success;</li> <li>vii. monitoring methods including for rehabilitation success and recovery;</li> </ul> </li> <li>j. surface and ground water quality and quantity requirements, including relevant downstream environmental quality parameters;</li> <li>k. reference 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.</li> </ul> <p>Note 1: The management plans must include sufficient detail to inform field development decisions, ongoing management and decommissioning, and management external to the project area to minimise impacts on MNES through the life of the project.</p> <p>Note 2: To the extent that the requirements of condition 8 are satisfied for each species, a single plan may be prepared to address a group of species which have similar ecological characteristics and habitat needs. Other</p>		

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	<p>conditions also require species or ecological community management plans to be developed in certain circumstances in accordance with condition 8.</p>		
<p>9</p>	<p>Each species and ecological community management plan must be submitted for the approval of the Minister. Commencement of each major stage of gas field development within the project area must not occur without written approval of a plan for addressing each listed species and ecological community within the proposed area of development. The proponent may undertake activities that are critical to commencement that are associated with mobilisation of plant and equipment, materials, machinery and personnel prior to the start of development only if such activities will have no adverse impact on MNES, and only if the proponent has notified the Department in writing before an activity is undertaken. Approved species and ecological community management plans must be implemented.</p>	<p>Non-Compliance (technical)</p>	<p>The TFLMP, TFMP, TECMP were submitted and approved by the Minister in previous reporting periods.</p> <p>On 23 December 2016, APLNG notified the Department of instances where minor management measures set out in the Plans had not been fully implemented during construction. No impact to MNES protected species, habitat or environmental harm was observed as a result. Updated management plans were submitted to the Department for assessment and approval as per condition 8, but are not yet approved for implementation.</p> <p>On June 12, 2021, Origin, acting on behalf of APLNG, submitted a request for a variation to the Approval, seeking to modify this condition and others related to the content of the threatened species and ecological communities management plans. As part of this variation, a revised MNES Management Plan has been submitted, aiming to consolidate the TFMP, TFLMP, and TECMP.</p> <p>Origin provided formal agreement to be draft variation conditions on 27 Oct 2022 and submitted the final revised version of the MNES Management Plan on 26 Oct 2022. However, as of now, the variation and management plan have not been approved by the Minister.</p> <p>Origin held meetings with the Department on various dates to discuss the variation and revised management plan, both pre-lodgement (March 25, April 21, May 5, May 26, June 9) and post-lodgement (August 19, September 7, October 7, November 5, February 17, May 9, June 15, August 9, October 25, December 5). On January 24, 2023, Origin was informed that the decision brief for the variation was still with the</p>

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
			<p>Director and had not yet been presented to the Delegate for approval.</p> <p>Origin continued to engage with the Department throughout 2023 with an aim to finalising the variation and approval of revised management plans with the most recent meeting occurring on 15 February 2024.</p> <p>While awaiting approval for the revised plans, APLNG reviewed the existing approved plans to identify necessary actions for compliance. The identified actions have now been completed and closed.</p>
10	The proponent must establish a program for routine review of the species and ecological community management plans to be undertaken by a qualified ecologist approved by the Department (with other experts as appropriate) to take into account any new information available to the proponent, including any information and advice provided by Commonwealth or Queensland Government agencies, or available from other CSG proponents.	Compliant	<p>While many of the current approved plans are dated between 2012 and 2014, several revisions of these plans have been created and presented to the Department for evaluation and approval. As of now, none of these revisions have received approval.</p> <p>The latest submission of a revised plan, encompassing each of these species and ecological community plans, was submitted to the Department as part of the variation to the approval submitted in June 2021. The approved management plans are reviewed every 5 years.</p>
11	The Minister may require, by request in writing, the periodic review of the species and ecological community management plans, either by the Department; or alternatively by an independent qualified ecologist, or other experts, approved by the Department.	N/A	No request has been received from the Minister during the reporting period.
12	Independent review of plans will be at the financial expense of the proponent. Once independently reviewed, plans must be submitted for written approval by the Department. Approved plans must be implemented.	N/A	No request has been received from the Minister during the reporting period.
<b>Record of Impacts</b>			
13	<p>If an impact occurs (which may include a presumed impact where the species is presumed to be present) to a MNES during gas field development, operation, or decommissioning the proponent must:</p> <p>a. record the impact by reference to:</p>	Compliant	The process for documenting impacts is included in the Environmental Constraints Planning and Field Development Protocol, which was approved by the Department in February 2021 and is on the APLNG website. This process includes an internal MNES 'drawdown' procedure which applies to both TEC and threatened fauna and flora.

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	i. the location, specific site and type of infrastructure or activity; ii. each MNES subject to disturbance; iii. the related site assessment or field ecological survey documentation and recommendations, or the decision that the particular MNES was presumed to be present; iv. the disturbance limit set under condition 25; v. the total area of actual disturbance; vi. the remaining disturbance limit for each affected MNES; vii. the reasons for the decision including justification for the action taken, description of the efforts taken to avoid impact, and explanation why other constraints might justify the impact on MNES; viii. actions and commitments by the proponent to remediate, rehabilitate, or make good any unauthorised disturbance; and Note: This condition applies to any adverse impact on MNES, whether or not a disturbance limit has been set, and whether or not the impact has been decided by the proponent under the Protocol based on other physical constraints. Note: This condition applies to any adverse impact on MNES, whether or not a disturbance limit has been set, and whether or not the impact has been decided by the proponent under the Protocol based on other physical constraints. b. record the information to a standard which can be independently audited.		
<b>Site Remediation, Rehabilitation and Recovery Plan</b>			
14	Where a direct or indirect impact has occurred to MNES (which may include a presumed impact where the species is presumed to be present) the proponent must under the Protocol apply remediation, rehabilitation and recovery	Compliant	Remediation, rehabilitation and recovery measures required to occur following impacts to MNES are documented and managed under the RRRMP (Q-LNG01-15-MP-0107).

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	<p>measures appropriate for each MNES to restore connectivity or rehabilitate disturbed areas to pre-clearance quality or better, and to minimise cumulative impacts throughout the life of the project.</p> <p>Note: Instances where presumed to be present has been determined are identified in volumes 2 and 3 of the EIS.</p>		<p>A variation submitted in June 2021 seeks to vary this condition.</p>
15	<p>Before commencement of gas field development the proponent must develop a Remediation, Rehabilitation, Recovery and Monitoring Plan. The Plan must:</p> <ul style="list-style-type: none"> <li>a. include site remediation measures including timeframes and standards for preventing erosion and stabilising disturbed soil in impact areas;</li> <li>b. include measures to support recovery of listed species' habitat and recovery of listed ecological communities affected by gas field development;</li> <li>c. include responses to threats to MNES from the proponent's operational activities and land management activities including the disposal and use of associated water, damage by livestock, and impacts from feral animals and weeds;</li> <li>d. provide for fire prevention and management regimes during construction, operation, and decommissioning to protect MNES;</li> <li>e. include performance measures and related monitoring to assess site remediation, rehabilitation and recovery;</li> <li>f. provide for reporting on the implementation of the Remediation, Rehabilitation, Recovery and Monitoring Plan including monitoring and performance to a standard which can be independently audited;</li> <li>g. reference relevant conservation advice, recovery plans, species management plans, or policies, practices, standards or guidelines endorsed or approved from time to time by the Department.</li> </ul> <p>Note: The proponent may develop the plan to satisfy the requirements of both the Queensland Government and these conditions as indicated in condition 100 (b).</p>	Compliant	<p>The RRRMP (Q-LNG01-15-MP-0107), Rev B was approved by the Department on 1 September 2011. The RRRMP addresses each of the condition 15 sub conditions.</p>

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
16	The Remediation, Rehabilitation, Recovery and Monitoring Plan must be submitted for the approval of the Minister. Commencement of gas field development must not occur without approval of this Plan. The proponent may undertake activities that are critical to commencement that are associated with mobilisation of plant and equipment, materials, machinery and personnel prior to the start of development only if such activities will have no adverse impact on MNES, and only if the proponent has notified the Department in writing before an activity is undertaken. The approved Remediation, Rehabilitation, Recovery and Monitoring Plan must be implemented.	Non-compliance (technical)	<p>There has been no change from the previous year, and the approval for the new document is still pending. The current document has not been edited or updated.</p> <p>The approval of the current approved RRRMP by the Minister occurred on 1 September 2011.</p> <p>On 23 December 2016, APLNG notified the Department of instances where minor management measures set out in the RRRMP that had not been fully implemented during construction. No impact to protected species, habitat or environmental harm was observed as a result. Actions have been undertaken to rectify the matter.</p> <p>The RRRMP has been reviewed, updated and submitted to the Department on 8 March 2017 for approval. This document has not been approved by the Department.</p> <p>A variation request, submitted in June 2021, aims to vary this condition and others related to the content of rehabilitation and decommissioning management plans. As part of this variation, a revised Rehabilitation and Decommissioning Plan has been submitted to the Department.</p>
17	The proponent must establish a program to routinely review the Remediation, Rehabilitation, Recovery and Monitoring Plan by an independent qualified ecologist, or other experts, approved by the Department to take into account any new information available to the proponent, including any information and advice provided by Commonwealth or Queensland Government agencies, or available from other CSG proponents.	N/A	APLNG has a program to routinely review the RRRMP. The RRRMP was not reviewed in this reporting period.
18	The Minister may require through a request in writing the periodic review of the Remediation, Rehabilitation, Recovery and Monitoring Plan by the Department, or alternatively by an independent qualified ecologist, or	N/A	No request has been received from the Minister during the reporting period.

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	other experts, approved by the Department. Plans must be approved by the Department in writing.		
19	Independent review of plans will be at the financial expense of the proponent. Once independently reviewed, plans must be submitted for written approval by the Department. Approved plans must be implemented.	N/A	No request has been received from the Minister during the reporting period.
<b>Disturbance Limits</b>			
25	<p>The maximum disturbance limits in Table 2 (below) apply to authorised unavoidable adverse impacts on MNES within the project area as a result of exploration, development, operation and decommissioning within the project area illustrated in Attachment 1, and external to it, ('whole of project' disturbance limits) and all associated activities.</p> <p><i>[Table 2: Disturbance limits for listed threatened ecological communities]</i></p> <p>Note: Table 2 is derived from the Australia Pacific LNG Environmental Offset Strategy of 16 November 2010; Volume 2: Gas Fields, Chapter 23: Matters of National Environmental Significance including Section 23.4 EPBC Act significant impact criteria assessment of the APLNG EIS of March 2010; and from listed ecological community profiles available on the Department's website.</p> <p><i>[Table 3: Disturbance limits for listed species]</i></p> <p>* Disturbance limits for Brigalow Scaly-foot and Yakka Skink and Dunmall's Snake potential habitat are derived as per the fauna habitat reduction methodology applied in Australia Pacific LNG – Fauna habitat Calculations for the Gas Fields Q-LNG01-15-RP-0014 of 16 November 2010.</p> <p>Note 1: Table 3 is derived from Volume 2: Gas Fields, Chapter 23: Matters of National Environmental Significance including Section 23.4 EPBC Act significant impact criteria assessment of the APLNG EIS of March 2010; Australia Pacific LNG – Fauna habitat Calculations for the Gas Fields Q-LNG01-15-RP-0014 of 16 November 2010; and from listed threatened species profiles available on the Department's website.</p>	Compliant	<p>During the 2016 reporting period, an independent audit found that although disturbance to Threatened Ecological Communities (TECs) is recorded, disturbance to potential habitat for listed fauna is not.</p> <p>Currently, the process for documenting impacts is included in the Environmental Constraints Planning and Field Development Protocol, which was approved by the Department in February 2021 and is on the APLNG website. This process includes an internal MNES 'drawdown' procedure which applies to both TEC and threatened fauna and flora.</p> <p>In addition, APLNG has continued to engage with the Department regarding a proposed habitat modelling methodology to assess / record disturbance of potential habitat for listed fauna as part of a variation submitted in June 2021.</p>

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	Note 2: Habitat for species in Table 3 will be described in the management plan for each species as required under condition 8. The habitat described in Table 3 is for general context and indicative only.		
26	The gas field activities must not have a significant impact on the Narran Lakes Wetlands.	Compliant	No impacts to the Narran Lakes Wetlands, located approximately 500 km from the action area, have been identified as associated with the gas field activities.
<b>Offsets</b>			
<b>Plan to secure offsets – gas fields</b>			
27	<p>The proponent must prepare an Offset Plan to provide an offset area for the approved disturbance limits relating to MNES within the project area. The offset area to be secured must be an area of private land which includes at least:</p> <ul style="list-style-type: none"> <li>a. 73.44 ha of potential Egernia rugosa (Yakka Skink) habitat which includes micro habitat required for the species; and</li> <li>b. 262.49*ha of potential Furina dunmali (Dunnell's Snake) habitat which includes micro habitat required for the species; and</li> <li>c. 41.36 ha of Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions; and</li> <li>d. 1000.2 ha of Brigalow with representation of the following:                             <ul style="list-style-type: none"> <li>i. 30% remnant Brigalow (Acacia harpophylla dominant and co-dominant); and</li> <li>ii. 70% which is a combination of:                                     <ul style="list-style-type: none"> <li>I. high value regrowth Brigalow; and</li> <li>II. other Brigalow regrowth with potential for management to remnant Brigalow status."</li> </ul> </li> </ul> </li> </ul> <p>Note 1 : Offsetting requirements for some species' habitat may be accommodated within the Brigalow components if good quality habitat (according to the methodology described in Australia Pacific LNG Fauna Habitat</p>	N/A	This condition was reported as complete during the 2013 reporting period.



Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	<p>Calculations for the Gas Fields Q-LNG01-15-RP-0014 (of 16 November 2010) is verified as present and includes specific habitat requirements for each relevant species.</p> <p>Note 2: for brigalow and semi evergreen vine thicket ecological communities, the pipeline referral (EPBS 2009/4976) offset requirements are incorporated into this approval.</p>		
28	<p>The Offset Plan must include details of the offset area including: the timing and arrangements for securing properties, maps and site description, environmental values relevant to MNES, connectivity with other habitats and biodiversity corridors, a rehabilitation program, and mechanisms for long-term protection, conservation and management</p>	N/A	As above
29	<p>The Offset Plan must be submitted for the approval of the Minister within 9 months of the commencement of the action. The approved Offset Plan must be implemented.</p>	N/A	As above
30	<p>If the approved Offset Plan cannot be implemented because of failure of arrangements to secure the necessary area of private land then the proponent must submit for the Minister's approval an alternative Offset Plan. The alternative Offset Plan must provide at least an equivalent environmental outcome to those specified under condition 27. The approved alternative Offset Plan must be implemented.</p>	N/A	This condition has not been triggered under this approval.
31	<p>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.</p>	N/A	No action/s have been proposed within an offset area that are not approved under the relevant OAMP.

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
32	The proponent must secure the offset within 4 years of commencement.	N/A	This condition has been previously reported as complete during the 2016-2017 reporting period.
33	<p>Within 12 months of securing the offset area required under the approved Offset Plan, the proponent must develop an Offset Area Management Plan which must specify measures to improve the environmental values of the offset area in relation to MNES, including;</p> <p>a. the documentation and mapping of current environmental values relevant to MNES of the area;</p> <p>b. measures to address threats to MNES including but not limited to grazing pressure and damage by livestock and adverse impacts from feral animals and weeds;</p> <p>c. measures to provide fire management regimes appropriate for the MNES;</p> <p>d. management of revegetation areas to the stage where habitat is established or improved for listed species and revegetation areas meet the criteria for 'remnant status' for that threatened ecological community;</p> <p>e. an objective that revegetation areas for Brigalow meet the criteria applicable at the time for 'remnant status', and measures to ensure application is made to have the revegetation areas reclassified as 'remnant vegetation' in accordance with the relevant Queensland legislation;</p> <p>f. monitoring, including the undertaking of ecological surveys to assess the success of the management measures against identified milestones and objectives;</p> <p>g. performance measures and reporting requirements against identified objectives, including trigger levels for corrective actions and the actions to be taken to ensure performance measures and objectives are met.</p>	Compliant	<p>This condition has been completed through the:</p> <ul style="list-style-type: none"> <li>• Dukes Plain Offset and Rehabilitation Area Management Plan (OAMP) - Q-LNG01-15-MP-8514 revision 2 dated 19 September 2016 was approved by the Department on 20 January 2017.</li> <li>• The approved OAMP addresses condition 33 (a) to (g) and is being implemented.</li> </ul>
34	Within 12 months of securing the offset area the Offset Area Management Plan must be submitted for the approval of the Minister. The approved Offset Area Management Plan must be implemented.	Compliant	The plans referenced above have been implemented during the reporting period.
<b>Rehabilitation Area Offset – gas fields</b>			

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
35	<p>Within 4 years of the commencement of gas field development the proponent must secure a Rehabilitation Area Offset of at least 1209.67 hectares of privately held property to compensate for indirect adverse impacts on MNES. The proponent must:</p> <ul style="list-style-type: none"> <li>a. obtain ownership or a legally binding agreement from a landowner over an area of property to re-establish areas in perpetuity of the threatened Brigalow (Acacia harpophylla dominant and co-dominant) ecological community, Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions and associated listed migratory and listed threatened species' habitat; and</li> <li>b. notify the Department in writing within 30 business days of securing the Rehabilitation Area Offset.</li> </ul> <p>Note: The Rehabilitation Area Offset is an additional area to the Offset area required under condition 27.</p>	N/A	This condition has been completed.
36	<p>The Rehabilitation Area Offset must:</p> <ul style="list-style-type: none"> <li>a. be within historical distributions of the ecological community (before clearing occurred) and as close as possible to the project area;</li> <li>b. include intact elements of remnant and/or high value regrowth of the ecological communities; and</li> <li>c. include or have potential for providing habitat and micro habitat requirements for listed migratory and threatened species (i.e. those in Table 3 that relate to this ecological community).</li> </ul>	N/A	This condition has been completed.
37	<p>If, within 2 years of the commencement of gas field development the Rehabilitation Area Offset has not been secured, then the proponent must within 30 business days, notify the Minister and provide for the Minister's approval an alternative offset measure. The alternative must provide at least an equivalent environmental outcome to those specified in relation to the Rehabilitation Area Offset. The approved alternative must be secured and implemented in accordance with conditions 35 and 36 in a timeframe specified in writing by the Minister.</p>	N/A	This condition has been previously completed and is superseded by the offset areas that have since been secured and are managed under the respective OAMPs and the relevant conditions of this approval.

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
<b>Rehabilitation Area Plan</b>			
38	Within 4 years of the commencement of gas field development, the proponent must prepare a Rehabilitation Area Plan for the offset required under condition 35.	N/A	This condition has been previously completed, through the development of the: <ul style="list-style-type: none"> <li>Dukes Plain Offset and Rehabilitation Area Management Plan (OAMP) (Q-LNG01-15-MP-8514), Revision 2 dated 19 September 2016; and</li> <li>Colamba Offset Area Management Plan (OAMP) (Q-LNG01-15-MP-1123), Revision 2 dated 15 December 2016.</li> </ul>
39	The Rehabilitation Area Plan must provide for commitments and actions to lead to the increase in the spatial extent and improvement in the condition of existing remnants, and for the establishment of new self-sustaining, functional 'remnant vegetation' communities, consistent with that which existed prior to clearing and with the capacity to provide habitat for the species identified in condition 25 as unavoidably impacted by the action.	Compliant	The approved OAMPs satisfy this condition.
40	The Rehabilitation Area Plan must include: <ol style="list-style-type: none"> <li>details of the area to be rehabilitated including location and maps;</li> <li>documentation including mapping of current environmental values relevant to MNES of the area;</li> <li>where revegetation through planting seedlings and/or seeds is intended details of appropriate species and ratios of species relevant to historically occurring listed migratory and threatened species' habitat, Brigalow (<i>Acacia harpophylla</i> dominant and co-dominant) ecological community, and Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions ecological community;</li> <li>the source and provenance of the seed and/or seedlings which will be used;</li> <li>measures to address threats to MNES including but not limited to grazing pressure and damage by livestock and adverse impacts from feral animals and weeds;</li> </ol>	Compliant	The approved OAMPs address the requirements of this condition.

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	f. measures to provide fire management regimes appropriate for the MNES; g. monitoring measures including ecological surveys to measure the establishment and ongoing success of the revegetation based on a comparison with high quality habitat for listed migratory and threatened species and ecological community reference sites; h. performance measures and reporting requirements against identified objectives, including trigger levels for corrective actions and the actions to be taken to ensure performance measures and objectives are met.		
41	Within 4 years of the commencement of gas field development the Rehabilitation Area Plan must be submitted for the approval of the Minister. The approved Rehabilitation Area Plan must be implemented.	Compliant	The approval of the OAMPs occurring during previous reporting periods. The OAMPs have been implemented during the reporting period to meet the requirements of this approval and in particular the requirements of condition 40.
42	To ensure the long term protection of the Rehabilitation Area the proponent must: a. manage Brigalow and Semi-evergreen Vine Thickets of the Brigalow Belt (North and South) and Nandewar Bioregions components of the Rehabilitation Area to a stage where they meet the respective criteria for 'remnant status' for the Brigalow (Acacia harpophylla dominant and co-dominant) ecological community and 'remnant status' for the Semi-evergreen Vine Thickets of the Brigalow Belt (North and South) and Nandewar Bioregions; b. when areas of revegetation meet criteria applicable at the time for 'remnant vegetation' ensure application is made to have the revegetation areas remapped and reclassified as 'remnant vegetation' in accordance with the relevant Queensland legislation. The management measures must continue to be implemented in areas not meeting the criteria for 'remnant status' until this has been achieved (or until approval to cease the management regime is provided by the Minister in writing); c. define corrective actions which will be undertaken if performance measures and reporting indicate that successful rehabilitation has not been achieved;	Compliant	The OAMPs satisfy this condition.

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	d. identify persons responsible and arrangements for implementing the Rehabilitation Area Plan and for reporting on performance; and e. notify the Department in writing of the reclassification of areas within the Rehabilitation Area as 'remnant vegetation' within 30 business days of the reclassification occurring.		
43	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.	N/A	This condition has not been triggered during the reporting period.
<b>CSG Water Management</b>			
44	The proponent must: a. take all reasonable measures to ensure that CSG water, including extracted groundwater, treated or amended CSG water, and any associated waste water, brine crystals and/or solids generated as a result of treating or amending water have no significant impact on any MNES during or beyond the life of the project; b. ensure that aromatic hydrocarbons are detailed as part of the toxicity assessment in condition 50f; and c. if any such impacts arise apply measures identified in the Coal Seam Gas Water Monitoring and Management Plan, or other requirements under these conditions, to mitigate or make good such impacts to the satisfaction of the Minister.	Compliant	Appropriate water management processes are undertaken and documented in the approved Stage 2 CSG Water Monitoring and Management Plan (WMMP). Processes have been implemented where required during the reporting period.
<b>CSG Water Monitoring and Management Plan</b>			

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
<b>Hydraulic Connection</b>			
45	If the proponent demonstrates to the satisfaction of the Minister, on the advice of the expert panel, that an aquifer has negligible hydraulic connectivity to other aquifers, then groundwater drawdown limits and threshold values (for groundwater drawdown and quality) for response measures in these conditions do not apply to that aquifer.	N/A	No exemption under this condition has been sought.
46	To avoid doubt, monitoring and risk management requirements in the Stage 1 Coal Seam Gas Water Monitoring and Management Plan (Stage 1 CSG WMMP) and the Stage 2 Coal Seam Gas Water Monitoring and Management Plan (Stage 2 CSG WMMP) (outlined below) will continue to apply to any aquifer which the proponent has demonstrated to the satisfaction of the Minister, on the advice of the expert panel, has negligible hydraulic connectivity to other aquifers.	N/A	No exemption under condition 45 has been sought. This condition has not been triggered during the reporting period.
47	If the Minister, acting on advice of an expert panel, is satisfied that new evidence indicates a material change in hydraulic connectivity of an aquifer to which condition 45 applies, the Minister may notify the proponent, in writing, that condition 45 does not apply to that aquifer.	N/A	As above.
<b>Default Drawdown</b>			
48	Within 20 business days from the date of the project approval, or such longer period specified by the Minister in writing, the proponent must submit to the satisfaction of the Minister, modelled groundwater drawdown contour data and contour plots for each potentially impacted aquifer.	N/A	This condition was closed out during the 2013-2014 period reporting and there are no going actions.
49	The Minister, having regard to the minimum drawdown prediction from the proponent's Environmental Impact Statement and the information supplied under condition 48, will specify to the proponent, in writing, the default groundwater drawdown limit for each aquifer that will apply until the Minister's approval of the Stage 1 CSG WMMP. The proponent must not exceed the groundwater drawdown limits specified by the Minister.	N/A	This condition was closed out with the approval of the Stage 1 CSG WMMP in 2011.

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
<b>Stage 1 CSG Water Monitoring and Management Plan</b>			
50	<p>Within 6 months from the date of the project approval, the proponent must submit for the approval of the Minister a Stage 1 Coal Seam Gas Water Monitoring and Management Plan (Stage 1 CSG WMMP) which includes at least:</p> <p>Groundwater monitoring and management</p> <ul style="list-style-type: none"> <li>a. groundwater drawdown limits for each potentially impacted aquifer;</li> <li>b. a program and schedule for aquifer connectivity studies and monitoring of relevant aquifers to determine hydraulic connectivity;</li> <li>c. a program and schedule for field piloting of aquifer reinjection of treated CSG water and other groundwater repressurisation techniques;</li> <li>d. early warning indicators where drawdown thresholds are being approached.</li> </ul> <p>Hydraulic fracturing</p> <ul style="list-style-type: none"> <li>e. the estimated number, the spatial distribution and location of boreholes where hydraulic fracturing may be necessary, annual reviews of the estimate;</li> <li>f. details of constituent components of any hydraulic fracturing agents and any other reinjected fluid(s), and their toxicity as total effluent toxicity and ecotoxicity, based on methods outlined in the National Water Quality Management Strategy</li> </ul> <p>Surface water monitoring and management;</p> <ul style="list-style-type: none"> <li>g. an ongoing water quality and quantity surface water monitoring plan that includes at least:                             <ul style="list-style-type: none"> <li>i. identification of the surface and aquatic systems to be monitored and their environmental values, water quality, and environmental characteristics, and the rationale for selection;</li> <li>ii. the number and locations of monitoring sites upstream and downstream of proposed discharge of CSG water</li> </ul> </li> </ul>	N/A	This condition was closed out at the beginning of the project. The Stage 2 CSG WMMP has now superseded the Stage 1 CSG WMMP.



Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	<p>(whether treated water, amended water and before and after any proposed discharge;</p> <p>iii. the frequency of the monitoring and rationale for the frequency;</p> <p>iv. baseline data for each monitoring site for comparison of monitoring results over the life of the project;</p> <p>v. the approach to be taken to analyse the results including the methods to determine trends to indicate potential impacts;</p> <p>vi. threshold values that protect relevant MNES (such as reporting or control line values for additional investigation, more intensive management action, make good, and cease operations) at which management actions will be initiated to respond to escalating levels of risk and designed to protect water quality and the associated environmental values of surface and aquatic systems;</p> <p>vii. water treatment and amendment methods and standards;</p> <p>viii. water storage locations and volumes including any storage and volumes required to pilot or implement reinjection or other groundwater repressurisation techniques;</p> <p>ix. water use or disposal options and methods (whether for beneficial use or not) including frequency, volumes, quality and environmental values documented for each receiving environment;</p> <p>x. brine storage locations and volumes, and brine crystal waste management;</p> <p>xi. emergency water discharges, their volumes and quality;</p> <p>xii. references to standards and relevant policies and guidelines;</p> <p>Response actions</p> <p>"h. mechanisms to avoid, minimise and manage risk of adverse impacts and response actions and timeframes that can be taken by the proponent if:</p>		

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	i. threshold values for surface water quality and water environmental values specified in the CSG WMMP are exceeded; ii. there are any unforeseen emergency discharges; and Reporting I. performance measures, annual reporting to the Department, and publication of reports on the internet. Note: A key objective of the CSG WMMP groundwater components is to maintain or restore aquifer pressure, as affected by CSG production, to levels that avoid risk of adverse impact on MNES.		
51	The proponent must implement the Stage 1 CSG WMMP approved in writing by the Minister, on the advice of an expert panel. The proponent must not exceed the groundwater drawdown limits for each aquifer specified in the Stage 1 CSG WMMP. The Stage 1 CSG WMMP will apply until the commencement of the approved Stage 2 CSG WMMP.	N/A	The Stage 1 CSG WMMP is no longer implemented, it has been superseded by the Stage 2 CSG WMMP.
<b>Stage 2 CSG Water Monitoring and Management Plan</b>			
52	Within 18 months from the date of the approval of the action the proponent must submit for the approval of the Minister, a Stage 2 Coal Seam Gas Water Monitoring and Management Plan (Stage 2 CSG WMMP). The proponent must allow a further 3 months for the Minister's consideration of approval of the Stage 2 CSG WMMP including seeking advice from an expert panel.	N/A	The Stage 2 CSG WMMP was submitted in 2014.
53	In addition to the matters in the Stage 1 CSG WMMP, the Stage 2 CSG WMMP must also include: Groundwater monitoring and management a. an ongoing CSG water treatment program to ensure that any water to be used for re-injection, or used for other groundwater re-pressurisation options, is treated at least equal to the water quality of the receiving groundwater system or environment; b. the method, data and the evidentiary standards necessary to support a conclusion that an aquifer from	Compliant	The Stage 2 CSG WMMP was approved for use on 27 March 2014 which complies with this condition. The Stage 2 CSG WMMP was updated to include all relevant water quality characteristics and was submitted to the Department for approval in April 2017, to date the plan has not been approved. As part of the most recent variation submitted in June 2021, a revised CSG WMMP has been submitted to the Department for consideration and approval.

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	<p>which CSG water is being extracted is not hydraulically connected to other aquifers;</p> <p>c. a groundwater quality and quantity monitoring plan to monitor the aquifers underlying the project area using a statistically and hydro geologically valid, best practice bore monitoring network across the project area, and at least;</p> <p>i. the aquifers to be monitored and the rationale for selection;</p> <p>ii. the number and locations of monitoring bores and their flow, pressure, head, and water quality characteristics;</p> <p>iii. the frequency of the monitoring and rationale for the frequency;</p> <p>iv. baseline data for each monitoring site for comparison of monitoring results over the life of the project;</p> <p>v. the approach to be taken to analyse the results including the methods to determine trends to indicate potential impacts;</p> <p>vi. groundwater drawdown threshold values and groundwater quality threshold values for each aquifer (based on regional groundwater modelling endorsed by the Minister) at which management actions (such as reporting or control line values for additional investigation, more intensive management action, make good, and cease operations) will be initiated to respond to escalating levels of risk, including increasing levels of drawdown, contamination of groundwater, or subsidence;</p> <p>vii. references to standards and relevant policies and guidelines;</p> <p>viii. mechanisms to monitor, avoid, minimise, manage, and respond to risks; and</p> <p>ix. performance measures, annual reporting to the Department, and publication of reports on the internet;</p> <p>Note 1: Threshold values will be identified in the plan and during the life of the approval and related conditions may be varied by the Minister on advice from an expert panel</p>		

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	<p>to reflect the best available data and scientific information.</p> <p>Note 1: Threshold values will be identified in the plan and during the life of the approval and related conditions may be varied by the Minister on advice from an expert panel to reflect the best available data and scientific information.</p> <p>Note 2: For clarity, the monitoring required under this condition may be undertaken jointly with others.</p> <p>Response actions</p> <p>d. an exceedance response plan that includes:</p> <p>i. mechanisms to avoid, minimise and manage risk of adverse impacts of the exceedance and response actions and timeframes that can be taken by the proponent if:</p> <p>I. threshold values for surface water quality and water environmental values specified in the CSG WMMP are exceeded;</p> <p>II. threshold values specified in the CSG WMMP for aquifer drawdown or groundwater contamination are exceeded;</p> <p>III. subsidence or surface deformation occurs which impacts on surface or groundwater hydrology;</p> <p>IV. there are any unforeseen emergency discharges; and</p> <p>ii. a program and timetable for repressurisation using re-injection of CSG water from hydraulically connected aquifers back into appropriate permeable aquifers and for other groundwater repressurisation options to re-establish pressure levels and water qualities to the satisfaction of the Minister on the advice of an expert panel, in conjunction with appropriate measures to forecast and proactively manage any short-term impacts.</p> <p>Note: The design of these groundwater repressurisation activities should be informed by a regional-scale groundwater model.</p>		
<p><b>Implementation of Stage 1 and Stage 2 CSG WMMP</b></p>			

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
54	The proponent must implement the approved Stage 2 CSG WMMP, no later than 31 March 2014.	N/A	This condition was closed in the 2014-2015 reporting period.
55	Three months before commencement of each subsequent major stage of the proponent's gas field development the proponent must submit a revised Stage 2 CSG WMMP for approval of the Minister, who may seek the advice of an expert panel.	Compliant	The Stage 2 CSG WMMP will be updated as required to align with the approval of a UWIR under the <i>Queensland Water Act 2000</i> . The CSG WMMP has been revised and submitted to the Department for approval on a number of occasions, including most recently as part of a variation submitted in June 2021.
56	The Coal Seam Gas Water Monitoring and Management Plan should be based on the proponent's planned staged development within the project area over the total life of the project consistent with approvals granted by the Queensland Government.	Compliant	As above, the plan will be updated as required following the approval of a UWIR under the <i>Queensland Water Act 2000</i> .
57	The proponent may only have, own, hold, take, or otherwise utilise sufficient CSG water as is required to undertake the approved activities within the approved project area.  Note: The purpose of this condition is to ensure that water is only extracted to the extent necessary for the extraction of coal seam gas.	Compliant	APLNG does not take CSG water beyond what is operationally necessary to facilitate gas production.
58	The Stage 1 and Stage 2 CSG WMMP as approved by the Minister in writing acting on advice of an expert panel and in accordance with the timing requirements under these conditions must be implemented. Note: The proponent may incorporate requirements into plans that meet both Queensland and Commonwealth requirements.  Note: The proponent may incorporate requirements into plans that meet both Queensland and Commonwealth requirements.	Non-compliance (technical)	The Stage 1 CSG WMMP has been superseded by the Stage 2 CSG WMMP and is therefore no longer implemented.  The approved Stage 2 CSG WMMP report includes a number of components, which have predominately been implemented during the reporting period.  Section 4.2 of Component 5 – Surface Water Monitoring and Management Plan (Q-LNG01-95-MP-1040) of the approved Stage 2 CSG WMMP, dated March 2013, was updated in 2016. The revised Surface Water Monitoring and Management Plan was submitted to the Department for approval in December 2016 (along with Component 6 – Fracture Stimulation and Ecotoxicology).  The updated, but yet to be approved, Surface Water Monitoring and Management Plan dated 2016 has been implemented during the reporting period. No impact to MNES protected species, habitat or environmental harm was

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
			<p>observed as a result of the implementation of the revised plan.</p> <p>Separately, a revised Stage 2 CSG WMMP plan was submitted to the Department in April 2017. This document has not been approved by the Department.</p> <p>A variation to the Approval submitted in June 2021 seeks to vary this condition and others relating to water monitoring and management. As part of this variation a revised CSG WMMP was submitted to the Department for approval. The approved Stage 2 CSG WMMP report includes a number of components, which have predominately been implemented during the reporting period. No impact to protected species, habitat or environmental harm was observed.</p>
<b>Revisions of Stage 1 and Stage 2 CSG WMMP</b>			
59	Consistent with an adaptive management approach the Stage 2 CSG WMMP must be reviewed and updated for each new stage of gas field development: to take into account of major updates to the Regional Groundwater Model; and to address findings of Cumulative Impact Assessment Reports required by the Queensland Government and these conditions of this approval.	Compliant	No new stage of gas field development was commenced within the reporting period. APLNG continues to implement the responsible tenure holder obligations determined in an approved UWIR under the <i>Queensland Water Act 2000</i> and as a part of the project's annual Groundwater Assessment Report, APLNG undertakes an evaluation of the project's performance including in the context of the UWIR
60	A reviewed and updated Stage 2 CSG WMMP must be submitted to the Minister for written approval. Commencement of each new stage of gas field development must not occur without approval. The proponent may undertake activities that are critical to commencement that are associated with mobilisation of plant and equipment, materials, machinery and personnel prior to the start of development only if such activities will have no adverse impact on MNES, and only if the proponent has notified the Department in writing before the activity is undertaken. The approved CSG WMMP must be implemented for the relevant gas field area.	Compliant	APLNG has continued to review and update the Stage 2 CSG WMMP (and it associated attachments) and provide revisions to the Department, as noted above at condition 53 and 58. The most recent plan is currently being assessed as part of a variation submitted in June 2021.
61	The Minister may, through a request in writing, require that the Stage 1 or Stage 2 CSG WMMP be revised or amended, which may include requirements for amendments to address independent expert advice. Any	N/A	No request to update the CSG WMMP have been received from the Minister during the reporting period.

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	<p>such request must be acted on within the timeframe specified.</p> <p>Note: The Minister may throughout the project life seek advice from experts, or an expert panel. As a consequence specific matters identified through such advice may need to be addressed in the Plan. Where such advice is sought the proponent would be provided with opportunity to submit information and respond to the specific matters identified, in order to ensure the Plan is based on the best available information. Review requirements will facilitate adaptive management, alignment with Queensland Government approval requirements, and account for potential cumulative impacts as new scientific information becomes available over the life of the project.</p>		
<b>Regional Groundwater Model</b>			
62	<p>To avoid or minimise direct or indirect adverse impacts on MNES, the proponent must:</p> <p>a. develop a regional scale, multi-layer, transient groundwater flow model of the cumulative effects of multiple CSG developments;</p> <p>b. develop and implement an adaptive management framework, applicable at both the project scale and regional-scale, that includes monitoring and mitigation approaches to assess and manage the impacts of CSG developments, which takes into account the groundwater model of cumulative impacts required under (a); and</p> <p>c. contribute data as requested over the life of the Project to inform a Basin-scale multi-layer, transient groundwater flow model of the cumulative effects of multiple CSG developments in the Surat and Bowen Basins.</p> <p>Note 1: In the absence of sufficient evidence to characterise and quantify potential impacts at the regional scale, this condition requires the model to be developed as an early warning system, informed by any other regional cumulative hydrological modelling, such that any hydrological changes can be identified at an early stage and appropriate, effective remedial actions implemented</p>	Compliant	<p>As required under the <i>Queensland Water Act 2000</i>, APLNG continues to provide the necessary data and work with the Queensland Office of Groundwater Impact Assessment (OGIA) to support the regional model.</p> <p>APLNG also implements the 'statutory responsibilities' assigned as the relevant tenure holder, by the OGIA. These assigned 'statutory responsibilities' oblige APLNG to implement certain 'management strategies' under the Surat Cumulative Management Area (CMA) framework.</p>

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	before irreversible environmental adverse impacts on MNES.		
63	<p>The model required under condition 62 (a) must:</p> <ul style="list-style-type: none"> <li>a. use the best hydrostratigraphic and hydrogeological information available at the time, to identify the likely cumulative impacts of multiple CSG developments across the Surat and Bowen Basins;</li> <li>b. detail all data relating to the hydraulic connectivity between aquifers and aquitards used to substantiate the model parameterisation;</li> <li>c. be calibrated against measured piezometer responses in areas where CSG development has commenced;</li> <li>d. in relation to the reporting of model outputs – conform to the recommendations of the former Murray Darling Basin Commission Groundwater Modelling Guidelines;</li> <li>e. include:                             <ul style="list-style-type: none"> <li>i. water balances for the major aquifers affected by the CSG operations including the expected timeframe of any changes in water balance and pressure;</li> <li>ii. recharge versus extraction volumes for those aquifers;</li> <li>iii. details of justification for and assumptions regarding aquifer seal integrity (i.e. thickness and distribution of aquitards);</li> <li>iv. quantification of hydraulic connectivity between different units (aquifers and aquitards) through drill stem and pump testing, MDTs (modular dynamic formation test), MFTs (compact formation pressure test), dedicated aquitard monitoring bores with periodic falling / rising head testing, aquitard coring and core permeability testing including centrifuge permeameter studies, hydrochemical and isotopic characterisation studies, monitoring of cross-aquitard effects of injection trials and gas production operations; and</li> <li>v. quantification of the impacts of reinjection and other groundwater repressurisation techniques on aquifer water balances;</li> </ul> </li> </ul>	Compliant	As above



Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	f. provide for adaptive monitoring, through six-monthly reporting of monitoring results and new data, and annual updates of numerical simulation models and re-interpretation of results to relevant Queensland Government and Commonwealth agencies.		
64	<p>Subject to the approval of the Department, the requirement for a model under condition 62 (a) may be satisfied by the proponent's contribution to a regional groundwater model developed by the Queensland Water Commission (or its successor agency).</p> <p>Note 1: Where the proponent is conditioned (here or elsewhere under the approval) to address a matter that may be most efficiently managed by another party, whether another CSG proponent or a Queensland Government agency, the proponent may discharge their responsibility under the condition by contributing financially and cooperating with other parties to meet the condition i.e. to develop a single representative regional model and/or to provide a single report from one or more proponents.</p> <p>Note 2: It is understood that the Queensland Water Commission (QWC) will manage delivery of a cumulative groundwater model for the Surat and South Bowen Basins. It is anticipated that the requirements of condition 62 (a) may be satisfied by the development of a model by the QWC.</p>	Compliant	APLNG continues to provide the necessary data and work with the OGIA (previously the Queensland Water Commission) to support the regional model.
65	If the requirements under condition 62 (a) are not met by the proponent's contribution to the QWC model, the Department may specify a timeframe for the obligations under 62 (a) to be satisfied by the proponent.	N/A	The Department has not activated this condition during the reporting period.
<b>Impact Assessment, Mitigation and Monitoring</b>			
66	The proponent must provide to the Department a copy of the groundwater impacts assessment, mitigation and monitoring measures required under conditions 10, 11, 12 and 14, Part 2, Appendix 2 of conditions imposed by the Queensland Coordinator-General in his report dated November 2010.	N/A	This condition was closed out during the 2013-2014 reporting period.

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
67	<p>In addition, as part of a staged process of adaptive management of CSG development, the proponent must also provide the following in relation to subsidence:</p> <p>a. baseline and ongoing geodetic monitoring programs to quantify deformation at the land surface within the proponent's tenures. This should link from the tenement scale to the wider region across which groundwater extraction activities are occurring and any relevant regional program of monitoring;</p> <p>b. modelling to estimate the potential hydrological implications of the predicted surface and subsurface deformation; and</p> <p>c. measures for linking surface and sub-surface deformation arising from CSG activities.</p>	N/A	This condition was closed out during the 2013-2014 reporting period.
68	<p>When requested by the Department, the proponent must provide to the Department all geodetic monitoring data and related information from the program. This data must be provided within 30 days of request, or in a timeframe agreed to by the Department in writing.</p>	N/A	No request has been received from the Department during the reporting period.
69	<p>The mitigation and monitoring measures required under condition 66 must be submitted to the Minister for approval with a proposed implementation schedule. The approved measures must be implemented in a timeframe specified by the Minister.</p>	Compliant	<p>APLNG provides the necessary data and works with the OGIA (previously the Queensland Water Commission) to support the regional model.</p> <p>APLNG also implements the 'statutory responsibilities' assigned as the relevant tenure holder under the <i>Queensland Water Act 2000</i> by the OGIA. These assigned 'statutory responsibilities' oblige APLNG to implement certain 'management strategies' under the Surat CMA framework.</p>
<b>Springs Assessment, Mitigation and Monitoring</b>			
70	<p>As a precautionary approach, the proponent must within 12 months of approval, or such other timeframe specified in writing by the Minister, survey for, reconfirm, and notify the Minister of the presence or absence of any springs proximal to the project area and within 100 kilometres of modelled limits of aquifer draw-down or other such limits notified to the proponent by the Department. The survey:</p>	N/A	This condition was closed out during the 2013-2014 reporting period.

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	<p>a. must include the spring complexes approximately 25km north and north-east of Roma (including Six mile and Spring Ridge), and 100km west of Roma; and the high value spring complexes east of the Taroom and Injune townships including Scott's Creek, Dawson River 8 and Cockatoo Creek springs; and</p> <p>b. may, with the written approval of the Minister comprise the proponent's contribution to a springs survey developed with input from the Department and undertaken by the Queensland Water Commission (or its successor agency).</p> <p>Note 1: This survey may include use of remote sensing and may be aligned or combined with similar survey requirements that are to be undertaken by other proponents or the Queensland Water Commission. To avoid doubt, the survey must report on both discharge and recharge springs, as EPBC listed species may occur in association with either.</p> <p>Note 2: Surveys required under this condition may be undertaken by the proponent alone or in partnership with other CSG proponents.</p>		
71	<p>If presence of the community of native species dependant on natural discharge of groundwater from the Great Artesian Basin, or listed threatened species that are reliant on springs, is confirmed by a survey under condition 70, then the proponent must (unless the proponent is not able to gain access to the spring, even with the assistance of relevant government agencies):</p>	N/A	N/A
71a	<p>a. for springs within the project area - within 1 month of survey completion protect the ecological community and/or listed threatened species from gas field development activities by establishing and maintaining a minimum 200 m employee/contractor exclusion zone from the relevant springs within the project area, unless such access is required in an emergency, for environmental management, or for monitoring purposes;</p> <p>Note: The Constraints Planning and Field Development Protocol will also apply.</p>	N/A	<p>There are no EPBC Act-listed springs located within the project area.</p> <p>A variation submitted in June 2021 seeks to vary this condition and others relating to spring management.</p>

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
71b	<p>Within 12 months of the survey completion provide to the Minister a management plan for all the relevant springs which includes:</p> <ul style="list-style-type: none"> <li>i. a specific monitoring and remediation program to protect the ecological community and/or listed threatened species and to monitor and address cumulative impacts within the project area and within modelled limits of aquifer draw-down that may arise from CSG water extraction, including identifying trigger levels and responses in the case of changes to groundwater flow or quality in each relevant spring;</li> <li>ii. a baseline analysis of four 3-monthly samplings to determine the seasonal presence or absence of all relevant springs, and to establish: the existence, distribution and extent of listed threatened species; aquatic macro-invertebrates; aquatic plants; water quality characteristics; spring physical parameters including seasonal variation, depth, and flow rate; aquifer source including hydro chemical and isotopic analysis, and comparison of water levels with respect to source aquifer potentiometric surface;</li> <li>iii. ongoing monitoring on a 6 monthly basis (to cover high and low rainfall seasons) over the life of the project in the region relevant to each spring;</li> <li>iv. analysis and calibration of the monitoring results against the baseline data (collected under (ii) of this condition) as the CSG water and gas extraction occurs over the life of the project;</li> <li>v. threshold values (such as reporting or control line values for additional investigation, more intensive management actions, make good, and cease operations) at which management actions will be initiated to respond escalating levels of impact and designed to protect The community of native species dependent on the natural discharge of groundwater from the Great Artesian Basin and listed threatened species in the case of changes to groundwater pressure, flow, or water quality in GAB springs;</li> </ul>	N/A	The submission of this management plan was closed out during the 2013-2014 reporting period.

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	<p>vi. specific mechanisms to avoid, minimise, and manage risks, and response actions that can be taken by the proponent where:</p> <p>I. any threshold values for surface environmental values are exceeded;</p> <p>II. any threshold values for aquifer drawdown, water quality change, or aquifer contamination are exceeded;</p> <p>III. subsidence or surface deformation occurs, particularly if it impacts on surface or groundwater hydrology; and</p> <p>IV. any unforeseen emergency discharges occur;</p> <p>vii. established best practice standards, policies and guidelines; and</p> <p>viii. performance measures, reporting to the Department, and publication of reports on the internet.</p> <p>Note: Individual species and ecological community management plans are also required in accordance with condition 8. The management plans may be developed by the proponent alone or in partnership with other CSG proponents.</p>		
72	<p>Any management plan required under condition 71(b) must be submitted to the Minister for consideration of approval including seeking expert advice from an expert panel. The approved plan must be implemented within the timeframe specified by the Minister. The approved plan must be published on the internet within 20 business days of being approved by the Minister.</p>	Compliant	<p>The Groundwater Monitoring Plan is published here:  <a href="https://aplng.com.au/management-plans/">https://aplng.com.au/management-plans/</a>  <a href="https://aplng.com.au/document-library/">https://aplng.com.au/document-library/</a>                      Spring monitoring in accordance with the approved plan was completed during the reporting period.</p> <p>APLNG also implements the 'statutory responsibilities' assigned as the relevant tenure holder, by the OGIA. These assigned 'statutory responsibilities' oblige APLNG to implement certain 'management strategies' under the Surat CMA framework, including the monitoring of EPBC-Act listed springs relevant to the APLNG Project.</p>
73	<p>The results of the baseline analysis under condition 71(b) must be made available to the Queensland Water Commission as part of the proponents' obligations in respect of the regional groundwater model under</p>	N/A	<p>The baseline analysis has been previously made available to the Queensland Water Commission (now OGIA).</p>

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	condition 62 (a) and provided on request to the Department.		
<b>Notification of Threshold Breaches and Response Actions</b>			
74	Within 10 business days of the proponent identifying monitoring outcomes that indicate a risk of reduction in groundwater pressure or water quality, the proponent must notify the Minister in writing of the trend and the proponent's response action.	Compliant	Monitoring outcome trends were analysed as part of Annual Groundwater Assessment 2020-2021. No increased potential risk to EPBC springs was identified as a result of gas field operations.
75	Within 10 days of identifying a surface or groundwater threshold value (for example, discharge water quality, environmental value, pressure, head, volume, or flow) being exceeded, the proponent must advise the Minister in writing of the circumstances, the threshold exceeded, the immediate action taken by the proponent, and proposed action to remedy the breach and avoid a subsequent breach.	N/A	This condition was not triggered during the reporting period.
76	Immediate action may include a range of measures including but not limited to further monitoring and investigation, the ceasing of water/gas extraction and/or water discharge or use in the area affected, or such other measures as are appropriate, until investigations can be completed to determine the cause and remedial action. The proponent's proposed response action must be notified to the Minister in writing.	N/A	As above
77	The Minister may direct in writing that the proponent cease water/gas extraction and/or water discharge or use in the area affected, and if the Minister is not satisfied that the action proposed or taken by the proponent will remedy the situation. The Minister may direct the proponent to implement alternative action at the expense of the proponent.  Note: The proponent will be provided with a reasonable opportunity to comment on any such direction before it is required to be implemented.	N/A	As above
<b>Notification and Requirements about Construction, Operation, Brine Management and Environmental Management Plans</b>			

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
78	The proponent must notify the Department in writing when developing or revising construction, operational, groundwater, CSG water, brine management, salinity management, environmental management, or other plans where the scope of the plans relates to potential significant direct, indirect or cumulative adverse impacts on MNES, or involves management of MNES. The proponent must in the notification indicate the relevant components of such plans relating to MNES and their management, and the timeframe for development and approval of the plans under Queensland Government requirements.	Compliant	A number of revised plans have been submitted to the Department as part of a variation lodged in June 2021. Changes to the plans are administrative in nature and will not result in increased direct, indirect or cumulative adverse impacts on MNES.
79	Where the scope of the plans relates to potential significant adverse impact on MNES, or involves management of MNES the plans must be submitted to the Minister for approval of those components. Approved components of plans must be implemented.  Note: Where efficiency will be enhanced the proponent may also prepare and align management plans required under these conditions with the requirements of the Queensland Government as long as the relevant matters under the conditions of this approval are clearly and adequately addressed.	Compliant	As per condition 78, a number of plans have revised and submission for approval by the Minister during the reporting period.
<b>Cumulative Impacts</b>			
80	Any results from cumulative impact assessments relating to APLNG CSG activities undertaken by the proponent, the Queensland Water Commission (or its successor agency) or other third party; and any recommendations made by the CSG Industry Monitoring Group (CIMG) to meet Queensland Government approval requirements for APLNG must also be provided to the Minister within 1 week of being finalised and received by the proponent, or in such other timeframe specified by the Minister, provided the approval of the relevant Queensland Government agency is first obtained.	N/A	There have not been any cumulative impact assessments finalised during the reporting period. The 2021 UWIR was approved on 17 March 2022 and took effect on 1 May 2022. The OGIA provides the UWIR to the Department following approval.

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
81	<p>In addition to provision of the cumulative impact assessment information required under condition 80, the proponent must also address the following, in relation to potential adverse impacts on MNES:</p> <p>a. cumulative impacts relating to all listed species and listed ecological communities within and outside project area, including The community of native species dependant on natural discharge of groundwater from the Great Artesian Basin;</p> <p>b. any surface water and groundwater environmental values, including groundwater pressures and groundwater hydrochemistry which, if altered, may have an impact on listed species and ecological communities within and outside project area.</p>	Compliant	APLNG implements the responsible tenure holder obligations determined in an approved UWIR under the <i>Queensland Water Act 2000</i> .
82	<p>Within 3 years of the date that the cumulative impact assessment report is completed by the Queensland Water Commission (or its successor agency), or alternatively by the proponent, or such other timeframe specified in writing by the Minister, the proponent must review that cumulative assessment and the report in the light of the most up-to-date information and the regional transient groundwater model required under condition 62 (a). The proponent must provide a report on the review to the Minister and at the same time publish the report on its website.</p> <p>Note: The assessment scope of the cumulative impact report is not limited to groundwater or surface water impacts. These conditions provide that, 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. The Minister may make such a request in the light of the cumulative impacts assessment, or the review of the cumulative impacts assessment. Section 136(1)(b) of the EPBC Act additionally provides that the Minister may revoke, vary or add to a condition of this approval if the action has a significant impact that was not identified in assessing the</p>	Compliant	A part of the project's annual Groundwater Assessment Report, APLNG undertakes an evaluation of the project's performance including in the context of the UWIR.



Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	action, and if the Minister relevantly believes it is necessary.		
<b>Decommissioning Plan</b>			
83	<p>Within five years of the commencement of gas field development, the proponent must develop a Decommissioning Plan. The Plan must:</p> <ul style="list-style-type: none"> <li>a. require the progressive removal or reuse of infrastructure where gas field operations cease during the project life;</li> <li>b. establish management practices and safeguards to minimise environmental disturbance;</li> <li>c. ensure MNES are not impacted by progressive decommissioning, or final decommissioning of gas field infrastructure;</li> <li>"d. define rehabilitation actions for the infrastructure sites following decommissioning including for:                             <ul style="list-style-type: none"> <li>i. optimising habitat and habitat connectivity for MNES;</li> <li>ii. enhancing pre-construction environmental quality; and</li> <li>iii. ongoing management during rehabilitation.</li> </ul> </li> </ul>	Compliant	The Decommissioning Plan (CDN/ID 11867466) satisfies the requirements of this condition.
84	The Decommissioning Plan must be submitted for the approval of the Minister. The approved Plan must be implemented.	Compliant	The Decommissioning Plan (CDN/ID 11867466) was submitted to the Department during the 2017 reporting period, however the plan has not been approved. A revised plan has been submitted to the Department as part of the variation lodged in June 2021.
<b>Survey Data</b>			
85	All survey data collected for the project must be collected and recorded so as to conform to data standards notified from time to time by the Department. When requested by the Department, the proponent must provide to the Department all species and ecological survey data and related survey information from ecological surveys undertaken for MNES. This survey data must be provided within 30 days of request, or in a timeframe agreed to by the Department in writing.	N/A	The Department has not made a request to provide any survey data during the reporting period.
<b>Publication of Protocol and Plans</b>			

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
86	The Protocol and 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	The Protocol and all management plans are published on the APLNG website and are located here: <a href="https://aplng.com.au/management-plans/">https://aplng.com.au/management-plans/</a> <a href="https://aplng.com.au/document-library/">https://aplng.com.au/document-library/</a>
87	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 have been made during this reporting period.
<b>Notification of Commencement</b>			
88	Within 20 business days of the commencement of the action, the proponent must advise the Department in writing of the actual date of commencement.	N/A	This condition was satisfied during the 2011-2012 reporting period.
89	If, at any time after five years from the date of this approval, the Minister notifies the proponent in writing that the Minister is not satisfied that there has been commencement of the action, the action must not commence without the written agreement of the Minister.	N/A	This condition is satisfied as more than 5 years has lapsed since the date of this approval.
90	The proponent must notify the Department in writing of the proposed dates for each subsequent major stage of gas field development at least 40 business days before their commencement, and within 20 business days notify actual commencement dates, and within 20 business days of any major variations to gas field development notify the variations.	N/A	There have been no new or additional major stages or major variations to development to be notified to the Department during the reporting period.
<b>Request for Variation of Plans by Proponent</b>			
91	If the proponent wants to act other than in accordance with a plan approved by the Minister under these conditions, the proponent must submit a revised plan for the Minister's approval.	Compliant	A number of revised plans have been submitted as part of a variation requested in June 2021 including: <ul style="list-style-type: none"> <li>• MNES Management Plan</li> <li>• Rehabilitation and Decommissioning Plan</li> <li>• CSG WMMP</li> </ul>

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
92	If the Minister approves the revised plan, then that plan must be implemented instead of the plan originally approved.	N/A	No revised plans have been approved during the reporting period.
93	Until the Minister has approved the revised plan, the proponent must continue to implement the original plan.	Non-compliance (technical)	As outlined above, in some instances a revised and yet to be approved management plan has been implemented during the reporting period. In all instances the revised and implemented plan has been submitted to the Department for approval in previous reporting periods. This includes: <ul style="list-style-type: none"> <li>• Threatened Fauna Management Plan</li> <li>• Threatened Flora Management Plan</li> <li>• Remediation, Rehabilitation, Recovery and Monitoring Plan</li> <li>• CSG WMMP</li> </ul>
<b>Revision of Plans by Minister</b>			
94	If the Minister believes that it is necessary or desirable for the better protection of a relevant controlling provision for the action, the Minister may request the proponent to make, within a period specified by the Minister, specified revisions to a plan approved under these conditions. Without limiting this condition, the Minister may also make such a request following a study under s.255AA of the Water Act 2007.	N/A	No request has been made by the Minister during the reporting period.
95	If the Minister makes a request for revision to a plan, the proponent must: <ol style="list-style-type: none"> <li>comply with that request; and</li> <li>submit the revised plan to the Minister for approval within the period specified in the request.</li> </ol>	N/A	No request has been made by the Minister during the reporting period.
96	The proponent must implement the revised plan on approval of the Minister.	N/A	No request has been made by the Minister during the reporting period.
97	Until the Minister has approved the revised plan, the proponent must continue to implement the original plan.	N/A	No request has been made by the Minister during the reporting period.
<b>Minimum Timeframes for Consideration of Plans</b>			

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
98	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.	Compliant	A number of revised management plans have been submitted to the Department during the reporting period.
<b>Compliance with State Environmental and Other Authorities</b>			
99	The proponent must comply with all environmental authorisations issued by the State, including conditions of an environmental authority issued under the EP Act.	Compliant	APLNG has complied with the relevant environmental authorisations to the extent that they apply to MNES.
<b>Provision of State Plans</b>			
100	If a condition of a State approval requires the proponent to provide a plan then the proponent must: a. provide the plan to the Department or Minister on request, within the period specified in the request; and b. prepare and combine plans that meet both Queensland Government requirements and the Commonwealth requirements under this approval where this is efficient. In doing so the proponent must clearly identify the respective responsibilities and how these are being addressed in relation to these conditions.	N/A	No request has been made by the Minister during the reporting period.
<b>Timeframes</b>			
101	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	The Minister has not specified a longer time frame during the reporting period.
<b>Auditing</b>			
102	On the request of and within a period specified by the Department, the proponent must ensure that: a. an independent audit of compliance with these conditions is conducted; and b. an audit report, which addresses the audit criteria to the satisfaction of the Department, is published on the Internet and submitted to the Department.	N/A	The Department has not made a request for an independent audit during the reporting period.

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
103	Before the audit begins, the following must be approved by the Department: a. the independent auditor; and b. the audit criteria.	N/A	The Department has not made a request for an independent audit during the reporting period.
104	The audit report must include: a. the components of the project being audited; b. the conditions that were activated during the period covered by the audit; c. a compliance/non-compliance table; d. a description of the evidence to support audit findings of compliance or non-compliance; e. recommendations on any non-compliance or other matter to improve compliance; f. a response by the proponent to the recommendations in the report (or, if the proponent does not respond within 20 business days of a request to do so by the auditor, a statement by the auditor to that effect); g. certification by the independent auditor of the findings of the audit report.	N/A	The Department has not made a request for an independent audit during the reporting period.
105	The financial cost of the audit will be borne by the proponent.	N/A	The Department has not made a request for an independent audit during the reporting period.
106	The proponent must: 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.  Note: The Department will discuss findings of audit reports with the proponent to ensure compliance with conditions and before the issue of any directions.	N/A	The Department has not made a request for an independent audit during the reporting period.

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
107	<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> <p>Note: Independent third party auditing may include audit of the proponent's performance against the requirements of any plan required under these conditions.</p>	N/A	The Department has not made a request for an independent audit during the reporting period.
<b>Reporting Non-Compliance</b>			
108	<p>The proponent must, when first becoming aware of a non-compliance with these conditions (except condition 99 which relates to environmental authorisations issues by the state) or a plan required to be approved by the Minister under these conditions:</p> <ul style="list-style-type: none"> <li>a. report the non-compliance and remedial action to the Department within five business days;</li> <li>b. bring the matter into compliance within a reasonable time frame specified in writing by the Department.</li> </ul>	Compliant	A limited number of minor or non-compliances (technical) were identified through the review and assessment undertaken to complete this AER, with most having been reported to the Department during a previous reporting period.
<b>Record-keeping</b>			
109	<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 on request to the Department. Such records may be subject to audit by the Department or an independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with these conditions.</li> </ul> <p>Note: Audits or summaries of audits carried out under these conditions, or under section 458 of the EPBC Act,</p>	Compliant	<p>Records pertaining to all activities associated with or relevant to the conditions are maintained and kept up dated on a regular basis.</p> <p>All records are being kept within a central document control system / compliance database.</p>

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	may be posted on the Department's website. The results of such audits may also be publicised through the general media.		
<b>Financial Assurance</b>			
110	The proponent must: a. Provide the Minister with a financial assurance in the amount and form required from time to time by the Minister for activities to which these conditions apply; and b. review and maintain the amount of financial assurance based on proponent reporting on compliance with these conditions, and any auditing of the activities.	N/A	No financial assurance has been requested during the reporting period.
111	The financial assurance is to remain in force until the Minister is satisfied that no claim is likely to be made on the assurance.  Note: The financial assurance may be used for rehabilitation of habitat and other purposes not addressed adequately by the proponent during the life of the project.	N/A	No financial assurance has been requested during the reporting period.
<b>Annual Environmental Return</b>			
112	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.	Compliant	This document satisfies this condition.
113	The proponent must publish the Annual Environmental Return on the Internet within 20 business days of each anniversary date of this approval.  Note: In complying with this publication requirement, the proponent must ensure that it has considered relevant	Compliant	This Annual Environmental Return will be published on the APLNG website, as per this link: <a href="https://aplng.com.au/management-plans/">https://aplng.com.au/management-plans/</a>

Condition Number	Condition	Is the project compliant with this condition?	Evidence/Comments
	confidentiality and intellectual property rights of third parties.		



## 6. Correcting Non-Compliances

A number of non-compliance items are reported within this AER. Four (4) were previously identified and reported to the Department, refer to Section 4 for details. One (1) new non-compliance is reported for this reporting period.

Appropriate corrective actions for each non-compliance are included at the relevant condition, in the commentary of Table 3 and are summarised below. All of these non-compliance items are subject to the variation request as outlined in Section 2.1. Origin continues to work with the Department to approve the variation request.

**Table 4 Summary of Corrective Actions**

Condition	Original non-compliance reporting period	Summary of existing and proposed corrective actions
9, 16, 58, 93	2021-2022	<p><b>Existing</b></p> <p>Revised management plans were submitted to the Department as part of the variation request. Origin met with the Department in 2021 and 2022 on the following dates to progress the variation and approval of revised management plans: Pre-lodgement: 25 Mar 2021, 21 Apr 2021, 5 May 2021, 26 May 2021, 9 Jun 2021 and post-lodgement: 19 Aug 2021, 7 Sept 2021, 7 Oct 2021, 5 Nov 2021, 17 Feb 2022, 9 May 2022, 15 Jun 2022, 9 Aug 2022, 25 Oct 2022, and 5 Dec 2022. Origin continued to engage with the Department throughout 2023 with an aim to finalising the variation and approval of revised management plans with the most recent meeting occurring on 15 February 2024.</p> <p><b>Proposed</b></p> <p>The revised management plans would be implemented pending approval of the variation request.</p>
8	2022-2023	

## 7. New Environmental Risks

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