



Annual Return – EPBC 2008/4399
Queensland Curtis LNG Pipeline

Rev 1

November 2012

QUEENSLAND CURTIS LNG

DOCUMENT INFORMATION SHEET

TITLE: Annual Return – EPBC 2008/4399 – Pipeline

PURPOSE AND SCOPE:

The Minister for Sustainability Environment, Water, Population and Communities approved action relating to the Queensland Curtis LNG Project on 22 October 2010. Under EPBC approval 2008/4399 (the Approval), QGC is required to submit an Annual Return addressing compliance with the conditions of the approval. The Annual Return must be published on the QGC website within 20 calendar days of the anniversary date of the approval.

This document is QGC's Annual return for referral approval, EPBC 2008/4399 – pipeline network component for the period from 22 October 2011 to 21 October 2012 (**the Reporting Period**).

Condition 62 of the approval requires that the Annual Return:

- a. address compliance with the conditions;
- b. record any unavoidable adverse impacts on MNES, mitigation measures applied to avoid adverse impacts on MNES; and any rehabilitation work undertaken in connection with any unavoidable adverse impact on MNES;
- c. identify all non-compliances with these conditions; and
- d. identify any amendments needed to plans to achieve compliance with these conditions.

This report complies with these requirements.

Table of Contents

1.0 BACKGROUND	3
1.1 The QCLNG Project	3
1.2 Regulatory Environment	3
1.3 Project Activities During the Reporting Period	4
2.0 CONCLUSION	4

APPENDIX A – QCLNG PIPELINE – EPBC 2008/4399

TABLE 1

1.0 BACKGROUND

1.1 The QCLNG Project

The Queensland Curtis Liquefied Natural Gas Project, commonly known as the QCLNG Project, is one of Australia's largest capital infrastructure projects, which will turn coal seam gas into liquefied natural gas (LNG) for export. This major, integrated project involves:

- Expanding QGC's existing coal seam gas production in the Surat Basin of southern Queensland;
- Building a 540km buried natural gas pipeline network linking the gas fields to Gladstone; and
- Constructing a natural gas liquefaction plant on Curtis Island, near Gladstone, where the gas will be converted to LNG for export.

1.2 Regulatory Environment

The QCLNG Project is regulated at both the state and federal government level, with Queensland's Coordinator General granting approval for the project on 26 June 2010 and the Commonwealth Minister for Sustainability, Environment, Water, Population and Communities granting approval for the project on 22 October 2010.

The Queensland Coordinator-General's Report on the environmental impact statement for the QCLNG Project was released pursuant to s.35 of the *State Development and Public Works Organisation Act 1971 (QLD)*. This report imposed conditions on the project that QGC is required to meet during both the construction and operational phases. The report contains over 1000 conditions governing the project relating to:

- The transport of plant, equipment, materials and people;
- Social impacts including affordable housing and job creation; and
- Gas field, pipeline and LNG construction and operation.

Following receipt of the Co-ordinator-General's decision, the Commonwealth Minister for Environment, the Hon. Tony Burke MP, approved all five referrals made by QGC under the *Environmental Protection and Biodiversity Conservation Act 1999 (EPBC Act)*. The QCLNG project now operates under the following five approvals:

- Referral Approval, EPBC 2008/4398 – QCLNG Gas Field Component
- Referral Approval, EPBC 2008/4402 – LNG Plant and Onshore Activities Components
- Referral Approval, EPBC 2008/4399 – Pipeline Network Component
- Referral Approval, EPBC 2008/4405 – Shipping Activities
- Referral Approval, EPBC 2008/4401 – Marine Facilities Components

It is a requirement of each of these approvals that QGC complete an Annual Return. The Annual Return must report on compliance with the conditions contained in each approval and must be published on the QGC website.

This document is QGC's Annual return for referral approval, EPBC 2008/4399 – pipeline network component for the period from 22 October 2011 to 21 October 2012 (**the Reporting Period**).

1.3 Project Activities During the Reporting Period

The QCLNG pipeline comprises three components:

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

During the Reporting Period, work on each of these components of the pipeline has continued to gain momentum.

Along the Gas Collection Header, pipe has been strung out along the Right of Way and work continues on welding the sections of pipe together.

On the Export Pipeline, several work fronts have progressed with activities such as Right of Way clearing and grading, pipe stringing and bending, and welding, as well as work on road crossings.

At the Narrows, a Horizontal Directional Drill (HDD) has been used to complete a pilot hole beneath Humpy Creek and Targinnie Creek to take the export pipeline towards the coast and Curtis Island.

On Curtis Island, clearing of the Right of Way for the pipeline is complete and works have commenced on preparing the pipe to be laid. Clearing works at the site on Curtis Island where the pipeline will come onshore have commenced during the reporting period as well as the dredging activities.

2.0 CONCLUSION

In compiling this annual return, QGC has not identified any new instances of non-compliance with the conditions of EPBC approval 2008/4399. Appendix A to this report provides details of compliance with each of the approval conditions and, Table 1 provides details of the non-compliance with conditions of the Approval reported throughout the Reporting Period.

APPENDIX A – QCLNG PIPELINE – EPBC 2008/4399

Condition		Status	Statement of Compliance
Project Area			
1.	The pipeline route and Right Of Way (ROW) is depicted in the map at Attachment 1.	Activated	Compliant – the pipeline route and Right of Way (ROW) are in conformance with the relevant map.
Environmental Management Plan (excluding the Narrows)			
2.	The proponent must prepare an Environmental Management Plan (EMP) to manage the impacts of construction, operation and decommissioning of the pipeline (other than in relation to the Narrows) on listed threatened species and ecological communities, listed migratory species and values of the World and National Heritage-listed Great Barrier Reef.	Activated	Compliant – the following management plans have been prepared in accordance with this condition. <ol style="list-style-type: none"> 1. Framework Environmental Management Plan (FEMP) – QCLNG Gas Collection Header and Export Pipeline, dated December 2011; 2. QCLNG Export Pipeline from Miles to MLV7- Environment Management Pan, dated December 2011. 3. Gas Collection Header Pipeline Environmental Management Plan (EP EMP), dated December 2011 and; 4. Significant Species Management Plan for QCLNG Pipeline (SSMP), dated January 2012.
3.	The Environmental Management Plan must include <ol style="list-style-type: none"> a) provisions for detailed pre-clearance surveys by a suitably qualified ecologist along the entire length of the ROW, in accordance with conditions 5 to 10; b) measures to minimise native and riparian vegetation clearance and to minimise the impact on listed species, their habitat and ecological communities in accordance with management plans required for MNES under this approval; c) measures to manage the impact of clearing on each listed species and ecological community in accordance with management plans required for MNES under this approval; 		The management plans referred to at condition 2 include the requirements set out in this condition.

Condition		Status	Statement of Compliance
	<p>d) measures to regenerate vegetation on the ROW where natural regeneration is not successful to a condition at least equivalent to the ROW condition prior to commencement;</p> <p>e) measures to minimise impacts on fauna during pipeline construction, including</p> <ul style="list-style-type: none"> i. measures to protect MNES in the areas of the ROW where trenching is being undertaken, including measures to exclude listed terrestrial fauna from gaining access to those areas of the ROW where trenching is being undertaken; ii. mechanisms to allow fauna to escape from the pipeline trench; iii. daily morning surveys for trapped fauna; iv. mechanisms for a suitably qualified person to relocate fauna; and v. record keeping for all survey, removal and relocation activities. <p>f) machinery wash down procedures and ongoing monitoring to minimise the spread and establishment of weeds in the ROW. Monitoring of weed infestations within disturbed areas must occur at least monthly during construction and then quarterly for a period of two years after completion of construction. Appropriate weed control measures must be implemented. After the two-year period, the frequency of monitoring must be reconsidered by the proponent, based on the success of control measures, the level of infestations and pipeline maintenance activities</p> <p>g) measures to manage and control feral animals that may spread due to the establishment of the ROW</p> <p>h) measures for the management of ignition sources during construction, maintenance and decommissioning of the pipeline to protect habitat values from wild fire</p> <p>i) measures for the management of acid sulphate soils</p>		

Condition		Status	Statement of Compliance
4.	The Environmental Management Plan must be submitted for the approval of the Minister. Commencement must not occur without approval (except for activities critical to commencement and associated with mobilisation of plant, equipment, materials, machinery and personnel prior to start of pipeline construction which will have no adverse impact on MNES). The approved plan must be implemented.	Activated	<p>Compliant – the components of the Environmental Management Plan were submitted to the Minister for approval on 17 May 2011. The plans were approved by the Minister on 3 June 2011.</p> <p>While approving the plans, the Minister identified improvements and recommended that the documents be revised.</p> <p>The following documents, which address the Minister's recommendations, were re-submitted to the Minister on 19 January 2012:</p> <ol style="list-style-type: none"> 1. Framework Environmental Management Plan (FEMP), dated December 2011; 2. Gas Collection Header Environmental Management Plan (GCH EMP), dated December 2011. 3. Export Pipeline Environmental Management Plan (EP EMP), dated December 2011 and; 4. Significant Species Management Plan for QCLNG Pipeline (SSMP), dated January 2012.
<i>Pre-clearance surveys</i>			
5.	<p>Before the clearance of native vegetation in the pipeline ROW, the proponent must:</p> <ol style="list-style-type: none"> a) undertake pre-clearance surveys for the presence of listed threatened species and migratory species, their habitat and listed ecological communities: and b) alternatively, where recent surveys have already been undertaken and those surveys meet the Department's requirements for surveys for the relevant MNES, the proponent may elect to develop management plans based on those surveys in accordance with the requirements of condition 8. 	Activated	<p>Compliant – QGC undertook the following pre-clearance surveys:</p> <ul style="list-style-type: none"> • Pre-clearing Ecological Survey Report - QCLNG Export Pipeline and Gas Collection Header, undertaken between May and August 2010 and published on 6 April 2011. • Pre-clearing Ecological Survey Report – QCLNG Camps 1, 2 and Aldoga Laydown, undertaken between November 2010 and April 2011 and published on 5 May 2011 • Pre-clearing Ecological Survey Report – QCLNG Camps 3, 4 and 5, undertaken between September and November 2010 and

Condition		Status	Statement of Compliance
			<p>published on 5 May 2011</p> <ul style="list-style-type: none"> • Pre-clearing Ecological Survey Report - QCLNG The Narrows Crossing, undertaken between May and June 2011 and published on 29 August 2011
6.	<p>Pre-clearance surveys must :</p> <ol style="list-style-type: none"> for each listed species, be undertaken in accordance with the Department's survey guidelines in effect at the time of the survey. This information can be obtained from http://www.environment.gov.au/epbc/guidelines-policies.html#threatened; be undertaken by a suitably qualified ecologist approved by the Department in writing; document the survey methodology results and significant findings in relation to MNES; and apply best practice site assessment and ecological survey methods appropriate for each listed threatened species, migratory species, their habitat and listed ecological communities 	Activated	<p>Compliant – All pre-clearance surveys were conducted in accordance with this approval and the Department's survey guidelines in effect at the time of the survey.</p> <p>The surveys were conducted by a suitably qualified ecologist, approved by SEWPaC.</p>
7.	<p>Pre-clearance survey reports (which document the methods used and the results obtained) must be published by the proponent and provided to the Department at the time of publication.</p>	Activated	<p>Compliant – the pre-clearance surveys listed at point 5 are published on QGC's website at:</p> <p>http://www.qgc.com.au/environment/environment-management/pre-clearance-surveys/pipeline.aspx</p> <p>The dates of publication and associated submission to SEWPaC are provided at point 5.</p>
8.	<p>If a listed threatened species or migratory species or their habitat, or a listed ecological community is encountered during the surveys undertaken as required by condition 5 and is not specified in the Table 1 or 2 at condition 11 and 12, the proponent must submit a separate management plan for each species or ecological community to manage the unexpected</p>	Activated	<p>Compliant – No listed threatened species or migratory species on their habitat or a listed ecological community not specified in the tables at condition 11 or 12 have been identified during the reporting period.</p>

Condition		Status	Statement of Compliance
	<p>impacts on clearing. In relation to each listed species or ecological community, each plan must address:</p> <ul style="list-style-type: none"> a) the relevant characteristics describing each ecological community; b) a map of the location of species, species' habitat, ecological community in proximity to the ROW; c) measures that will be employed to avoid impact on the species, species' habitat, or ecological community; d) a quantification of the unavoidable impact (in hectares and/or individual specimens); e) where impacts are unavoidable and a disturbance limit is not specified for the listed species or ecological community under condition 11, propose offsets to compensate for the impact on the population of the species' habitat, or the ecological community; f) current legal status (under the EPBC Act) g) known distribution <p>For listed species, each plan must also include:</p> <ul style="list-style-type: none"> a) known species' populations and their relationships within the region; b) biology and reproduction c) preferred habitat and microhabitat including associations with geology, soils, landscape features and associations with other native fauna and/or flora or ecological communities; d) anticipated threats to MNES from pipeline construction, operation and decommissioning; e) management practices and methods to minimise impacts, such as: <ul style="list-style-type: none"> i. site rehabilitation timeframes, standards and methods; ii. use of sequential clearing to direct fauna away from impact zones; 		

Condition		Status	Statement of Compliance	
	iii. re-establishment of native vegetation in linear infrastructure corridors; iv. handling practices for flora specimens; v. translocation and/or propagation practices and monitoring for translocation/propagation success; vi. monitoring methods including for rehabilitation success and recovery; and f) reference to relevant conservation advice, recovery plans, or other policies, practices, standards or guidelines relevant to MNES published or approved from time to time by the Department.			
9.	Each plan required under condition 8 must be submitted for the approval of the Minister. Commencement in the location covered by the management plan must not occur without approval. Each approved plan must be implemented.	Not activated	Compliant – no plan is required under condition 8.	
10.	If, during construction, a listed threatened species or migratory species or their habitat, or a listed ecological community is encountered and is not specified in the table at condition 11 or 12, the proponent must submit a separate management plan for each species or ecological community in accordance with condition 8 within 20 business days of encountering that MNES. Work must not continue at the construction site where the MNES is encountered until the relevant management plan has been approved.	Activated	No listed threatened species or migratory species on their habitat or a listed ecological community not specified in the table at condition 11 or 12 have been identified during the reporting period.	
Disturbance Limits				
11.	The following maximum disturbance limits apply to any disturbances authorised for unavoidable impacts on listed threatened communities and potential habitat for listed threatened species or migratory species as a result of the construction, operation and decommissioning of the pipeline (and all associated activities). <table border="1" data-bbox="331 1385 1077 1420"> <tr> <td>Table 1: EPBC - listed threatened ecological</td> </tr> </table>	Table 1: EPBC - listed threatened ecological	Activated	Compliant – Brigalow <i>Acacia harpophylla</i> dominant and co-dominant: clearing of this ecological community has not exceeded the disturbance limit. Semi Evergreen Vine Thicket: the pre-clearing ecological survey report found no evidence of semi-evergreen vine thickets (SEVT) of the relevant regions. As such no clearing of SEVT has occurred.
Table 1: EPBC - listed threatened ecological				

Condition				Status	Statement of Compliance																
	communities Ecological community EPBC status Disturbance limit (ha) Brigalow (<i>Acacia harpophylla</i> dominant and co-dominant) Endangered 14.42 Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions Endangered 2.47 Species EPBC status Disturbance limit (ha) <i>Cycas megacarpa</i> (Large-fruited Zamia) Endangered 3 <i>Philothea Sporadica</i> Vulnerable 5				<p><i>Cycas megacarpa</i> has been cleared from the pipeline Right of Way in accordance with the <i>Cycas Megacarpa</i> Translocation Management Plan. This plan was approved by SEWPaC on 6 September 2011 and all disturbance has been contained within the disturbance limits. A copy of the management plan is available on the QGC website.</p> <p>Philothea: Disturbance is contained within the limits in accordance with the approved <i>Philothea Sporadica</i> SSMP, included in the Significant Species Management Plans.</p>																
12.	<p>The proponent must prepare a management plan for each species in the table below. Each plan must be prepared in accordance with the requirements of condition 8.</p> <table border="1"> <thead> <tr> <th colspan="2">Table 2: Species management plans required before commencement</th> </tr> <tr> <th>Listed species</th> <th>EPBE Act Status</th> </tr> </thead> <tbody> <tr> <td><i>Cadellia pentasyfis</i> (Ooline)</td> <td>Vulnerable</td> </tr> <tr> <td><i>Parade/ma orientafis</i> (Brigalow Scaly-foot)</td> <td>Vulnerable</td> </tr> <tr> <td><i>Furina dunmalli</i> (Dunmall's Snake)</td> <td>Vulnerable</td> </tr> <tr> <td><i>Egernia rugosa</i> (Yakka Skink)</td> <td>Vulnerable</td> </tr> <tr> <td><i>Geophaps scripta scripta</i> (Squatter pigeon - southern)</td> <td>Vulnerable</td> </tr> <tr> <td></td> <td><i>Nyctophi/us</i></td> </tr> </tbody> </table>			Table 2: Species management plans required before commencement		Listed species	EPBE Act Status	<i>Cadellia pentasyfis</i> (Ooline)	Vulnerable	<i>Parade/ma orientafis</i> (Brigalow Scaly-foot)	Vulnerable	<i>Furina dunmalli</i> (Dunmall's Snake)	Vulnerable	<i>Egernia rugosa</i> (Yakka Skink)	Vulnerable	<i>Geophaps scripta scripta</i> (Squatter pigeon - southern)	Vulnerable		<i>Nyctophi/us</i>	Activated	<p>Compliant – The pipeline Significant Species Management Plan for the Gas Collection Header and Export Pipeline was updated during the Reporting Period in response to a request for amendments to the plan made by the Minister in June 2011. The updated revision was submitted to SEWPaC on 19 January 2012 and is available on QGC's website.</p> <p>The SSMP – Narrows Crossing Project was submitted to the Department on 27 July 2011. Following comments, new versions of the plan were submitted on 21 September 2011 and 18 October 2012. Approval was obtained on 19 October 2011.</p> <p>The approved management plans address the requirements of this condition.</p>
Table 2: Species management plans required before commencement																					
Listed species	EPBE Act Status																				
<i>Cadellia pentasyfis</i> (Ooline)	Vulnerable																				
<i>Parade/ma orientafis</i> (Brigalow Scaly-foot)	Vulnerable																				
<i>Furina dunmalli</i> (Dunmall's Snake)	Vulnerable																				
<i>Egernia rugosa</i> (Yakka Skink)	Vulnerable																				
<i>Geophaps scripta scripta</i> (Squatter pigeon - southern)	Vulnerable																				
	<i>Nyctophi/us</i>																				

Condition		Status	Statement of Compliance						
	<table border="1" data-bbox="338 357 1003 517"> <tr> <td data-bbox="338 357 779 421"><i>Nyctophi/us timoriensis</i> (Eastern Long-eared Bat)</td> <td data-bbox="779 357 1003 421">Vulnerable</td> </tr> <tr> <td data-bbox="338 421 779 485"><i>Chalinobolus dwyeri</i> (Large-eared Pied Bat)</td> <td data-bbox="779 421 1003 485">Vulnerable</td> </tr> <tr> <td data-bbox="338 485 779 517"><i>Xeromys myoides</i> (Water Mouse)</td> <td data-bbox="779 485 1003 517">Vulnerable</td> </tr> </table> <p data-bbox="338 549 1070 762"><i>Note: The intent of the table above is to prepare management plans for those species that are likely to be encountered along the ROW and where a disturbance limit has not been quantified. To the extent that the requirements of condition 8 are satisfied for e'ach species, a single Species Management Plan may be prepared for this purpose.</i></p>	<i>Nyctophi/us timoriensis</i> (Eastern Long-eared Bat)	Vulnerable	<i>Chalinobolus dwyeri</i> (Large-eared Pied Bat)	Vulnerable	<i>Xeromys myoides</i> (Water Mouse)	Vulnerable		
<i>Nyctophi/us timoriensis</i> (Eastern Long-eared Bat)	Vulnerable								
<i>Chalinobolus dwyeri</i> (Large-eared Pied Bat)	Vulnerable								
<i>Xeromys myoides</i> (Water Mouse)	Vulnerable								
13.	Each management plan must be submitted for the approval of the Minister. Commencement must not occur without approval. Commencement in the location covered by the management plan must not occur without approval. Each approved plan must be implemented		<p data-bbox="1290 794 2114 890">Compliant – the components of the Environmental Management Plan were submitted to the Minister for approval on 17 May 2011. The plans were approved by the Minister on 3 June 2011.</p> <p data-bbox="1290 922 2114 986">While approving the plans, the Minister identified a range of improvements and recommended that the documents be revised.</p> <p data-bbox="1290 1018 2114 1114">The following documents, which address the Minister's recommendations, were re-submitted to the Minister on 19 January 2012:</p> <ol data-bbox="1335 1114 2114 1409" style="list-style-type: none"> <li data-bbox="1335 1114 2114 1177">1. Framework Environmental Management Plan (FEMP), dated December 2011; <li data-bbox="1335 1209 2114 1273">2. Gas Collection Header Environmental Management Plan (GCH EMP), dated December 2011. <li data-bbox="1335 1305 2114 1369">3. Export Pipeline Environmental Management Plan (EP EMP), dated December 2011 and; <li data-bbox="1335 1401 2114 1409">4. Significant Species Management Plan for QCLNG Pipeline 						

Condition		Status	Statement of Compliance
			(SSMP), dated January 2012.
14.	Disturbance of vegetation related to the construction and maintenance of the pipeline must be confined to the ROW. Any proposed siting of the construction camps, vehicle access tracks and pipe lay-down areas outside the ROW during construction must be undertaken so as to minimise potential adverse impacts on MNES and must comply with conditions 5 to 13.	Activated	Compliant – disturbance of vegetation has been confined to the Right of Way and relevant works have been constructed in accordance with conditions 5 to 13 and so as to minimise potential adverse impacts on MNES.
Offsets			
<i>Plan to secure offsets</i>			
15.	<p>Within 12 months of the commencement of pipeline development the proponent must prepare an Offset Plan to provide an offset area for the approved disturbance limits relating to <i>Philothea sporadica</i> and Semievergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions (SEVT) within the project area. The offset area to be secured must be an area of private land which includes at least:</p> <p>a. 40 ha of <i>Philothea sporadica</i> habitat; and b. 19.76 ha of Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions</p> <p><i>Note: Offsetting requirements for this approval can be accommodated as part of a single offset plan addressing the requirements of this approval and those required by EPBC 2008/4398</i></p>	Activated	<p>QGC submitted an initial Environmental Offset Plan to SEWPaC on 20 September 2010. A second revision was submitted on 29 April 2011.</p> <p>Since that time, QGC and other LNG proponents have been consulting with both state and federal governments on the most appropriate form and location for environmental offsets. The purpose of this consultation has been to ensure that regulatory requirements are met and guarantee no net loss of biodiversity values.</p> <p>As a result of the consultation process, QGC and other LNG proponents provided the Minister with a final joint LNG Offset Proposal on 24 September 2012.</p> <p>The proposal remains under consideration by SEWPaC. QGC will commence implementation of the plan as soon as receives its approval.</p>
16.	The Offset Plan must include details of the offset area including: the timing and arrangements for property acquisition, maps and site description, environmental values relevant to MNES, connectivity with other habitats and biodiversity corridors, a rehabilitation program, and mechanisms for long-term protection, conservation and	Activated	The final joint LNG Offset Proposal submitted for approval on 24 September 2012 meets the requirements of this condition.

Condition		Status	Statement of Compliance
	management		
17.	The Offset Plan must be submitted for the approval of the Minister within 12 months of the commencement of gas field development. The approved Offset Plan must be implemented within 30 business days of approval	Activated	Compliant – the offset plan was submitted for approval within the required timeframe. The final joint LNG Offset Proposal of 24 September 2012 remains under consideration by SEWPaC. QGC will commence implementation of the plan as soon as receives its approval.
18.	If the approved Offset Plan cannot be implemented because of failure of arrangements to secure the necessary area of private land then the proponent must submit for the Minister's approval an alternative Offset Plan. The alternative Offset Plan must provide at least an equivalent environmental outcome to those specified under condition 15. The approved alternative Offset Plan must be implemented	Not activated	Noted.
19.	If the proponent proposes any action within a proposed offset area, other than actions related to managing that area as an offset property, approval must be obtained, in writing from the Department. In seeking Departmental approval the proponent must provide a detailed assessment of the proposed action including a map identifying where the action is proposed to take place and an assessment of all associated adverse impacts on MNES. If the Department agrees to the action within the proposed offset site, the area identified for the action must be excised from the proposed offset and alternative offsets secured of equal or greater environmental value in relation to the impacted MNES.	Not activated	Noted.
20.	The proponent must secure the offset within 2 years of commencement.	Activated	QGC is awaiting approval of the final joint LNG Offset Proposal of 24 September 2012 prior to securing the proposed offset area.
<i>Offset Area management</i>			
21.	Within 12 months of securing the offset area required under the approved Offset Plan, the proponent must develop an Offset Area Management Plan which must specify measures	Not activated	An offset area has not yet been secured.

Condition		Status	Statement of Compliance
	<p>to improve the environmental values of the offset area in relation to MNES, including;</p> <ul style="list-style-type: none"> a) the documentation and mapping of current environmental values relevant to MNES of the area; b) measures to address threats to MNES including but not limited to grazing pressure and damage by livestock and adverse impacts from feral animals and weeds c) measures to provide fire management regimes appropriate for the MNES d) measures to manage the offset area to improve the condition of the MNES specified at condition 15 within the offset area and to increase the areal extent of MNES specified at condition 15 within the offset area as objectives of the program e) monitoring, including the undertaking of ecological surveys to assess the success of the management measures against identified milestones and objectives f) performance measures and reporting requirements against identified objectives, including trigger levels for corrective actions and the actions to be taken to ensure performance measures and objectives are met. 		
22	<p>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</p>	Not activated	An offset area has not yet been secured.
<i>Cycas megacarpa</i>			
23.	<p>To offset unavoidable impacts to <i>Cycas megacarpa</i> from all activities associated with this approval, the proponent must:</p> <ul style="list-style-type: none"> a) within 12 months of the date of this approval, secure an area of at least 18ha as an offset for receiving no less than 1104 translocated and/or propagated individuals b) identify alternative recruitment methods if it is considered unlikely that translocation and propagation will be successful; 	Activated	QGC is working with both state and federal government agencies to determine appropriate sites for these offsets. Although specific sites are yet to be finalised, QGC has identified potential sites that are likely to meet SEWPaC requirements.

Condition		Status	Statement of Compliance
	<p>c) 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> <p>d) demonstrate that the measures for securing and managing the offset will ensure that the offset is protected in perpetuity.</p>		
<i>Cycas megacarpa Management Plan</i>			
24.	The proponent must prepare a <i>Cycas megacarpa</i> Management Plan in consultation with an expert approved by the Department in writing.	Activated	Compliant – the Translocation and Management Plan for <i>Cycas Megacarpa</i> , was submitted to the Department on 18 August 2011 and was approved on 6 September 2011.
25.	<p>The <i>Cycas megacarpa</i> Management Plan must include:</p> <p>a) measures to ensure all <i>Cycas megacarpa</i> within the ROW are avoided using, for example suitable trench less technique(s) as necessary or, if avoidance is not possible, individual plants must be removed and kept offsite and replanted in the same location, or alternatively translocated. Where it can be demonstrated that removal and translocation of individuals is unlikely to succeed, translocation may be substituted by establishing propagated individuals;</p> <p>b) measures to propagate and plant <i>Cycas megacarpa</i> individuals removed or impacted by construction activities to maintain a population of no less than 1104</p>	Activated	Compliant – the approved plan includes the requirements of this condition.

Condition		Status	Statement of Compliance
	individuals within the offset site required by condition 23(a); c) a detailed methodology for translocation, propagation and planting, including map of the location of the offset site; d) details of funding required to secure, maintain and enhance the values of the offset site in perpetuity; e) details of a suitably qualified person to undertake translocation, propagation and planting; f) details of the erosion and sediment control measures to be implemented in the ROW in the Callide and Calliope Ranges; g) measures to rehabilitate the ROW in the Callide and Calliope Ranges; h) measures for the control and management of weeds, fire, feral animals, access and grazing in translocation sites; i) measures for the management, maintenance and protection of the population of <i>Cycas megacarpa</i> individuals in the offset site for a period of five years following final planting; j) details of monitoring practices to assess the success of proposed management regimes of the offset; k) performance measures, reporting requirements, trigger levels for corrective actions and identification of those actions to be taken to ensure performance measures are met; and l) a reconciliation statement of impacts against the agreed limit of disturbance, as defined above in condition 11 must be updated by the proponent every 12 months from commencement until construction is complete.		
26.	The <i>Cycas megacarpa</i> Management Plan must be submitted for the approval of the Minister. Commencement in the location covered by the management plan must not occur without approval. The approved plan must be implemented	Activated	Compliant – Plans were approved by the Department on 6 September 2011.
27.	To avoid doubt, a single offset management plan can be	Activated	Compliant – QGC has elected to develop a single offset

Condition		Status	Statement of Compliance
	submitted to meet all offset management plan requirements.		<p>management plan to meet all offset management plan requirements.</p> <p>Following extensive consultation, QGC and other LNG proponents provided the Minister with a final joint LNG Offset Proposal on 24 September 2012.</p> <p>The proposal remains under consideration by SEWPaC. QGC will commence implementation of the plan as soon as receives its approval.</p>
28.	To offset unavoidable impacts on listed migratory birds within the ROW at the Kangaroo Island wetlands west of the Narrows, the proponent must contribute at least \$250,000 to the Gladstone Port Corporation's migratory bird research study required by conditions for the Gladstone Western Basin Dredging and Disposal Project (EPBC 2009/4904).	Activated	Compliant – QGC has contributed approximately \$1.03 million to the Environmental Research Management Program overseen by the Gladstone Ports Authority Advisory Panel.
The Narrows crossing			
29	<p>The proponent must prepare an Environmental Management Plan for the crossing of the Narrows. This must include:</p> <p>a) if the crossing is undertaken concurrently with the construction of one or more additional gas transmission pipelines (a 'bundled crossing'):</p> <ul style="list-style-type: none"> i. the roles and responsibilities of each party involved in the bundled crossing; ii. details of the final pipeline route, engineering design and construction methodology, including details of the total number of gas transmission pipes including any pipelines for water supply and/or sewerage; iii. potential impacts from the construction of the pipeline on listed threatened species, ecological communities, migratory species and World and National Heritage-listed values of the Great Barrier Reef; . iv. mitigation measures to reduce impacts on listed threatened species, ecological communities, migratory species and World and National Heritage- 	Activated	<p>Compliant – no amendments were made to the Narrows Crossing Environmental Management Plan approved by the Minister on 19 October 2011.</p> <p>The approved management plan complies with part (a) of this condition as the pipeline is being construction as a bundled crossing.</p>

Condition		Status	Statement of Compliance
	<p>listed values of the Great Barrier Reef;</p> <ul style="list-style-type: none"> v. proposed offset measures to compensate for unavoidable impacts on listed threatened species and ecological communities, listed migratory species and values of the World and National Heritage-listed Great Barrier Reef; vi. measures for the management of acid sulfate soils (both potential and actual); vii. measures for ongoing maintenance and decommissioning of the pipelines, or <p>If the proponent does not proceed in a bundled crossing:</p> <ul style="list-style-type: none"> b) construction method which, in the opinion of the Minister, will result in minimal surface disturbance to the Kangaroo Island Wetlands and minimal disturbance to the area of the estuary of the Narrows (preferably achieved by horizontal directional drilling or tunnelling); <ul style="list-style-type: none"> i. details of the final pipeline route, design and construction methodology, including details of inclusion of pipes for water supply and sewerage; ii. potential impacts from the construction of the pipeline on listed threatened species, ecological communities, migratory species and World and National Heritage-listed values of the Great Barrier Reef; iii. mitigation measures to reduce impacts to listed threatened species, ecological communities, migratory species and World and National Heritage listed values of the Great Barrier Reef; iv. proposed offsets to compensate for the unavoidable impacts of the action on listed threatened species and ecological communities, listed migratory species and values of the World and National Heritage listed Great Barrier Reef; v. measures for the management of acid sulfate soils. 		

Condition	Status	Statement of Compliance
Note: 29(b) does not prescribe a particular construction method.		
30. The Environmental Management Plan must be submitted for the approval of the Minister. The activity the subject of the Environmental Management Plan must not start without approval. The approved plan must be implemented.	Activated	Compliant – the current revision of the Narrows Crossing Environmental Management Plan was approved by the Minister on 19 October 2011 and is currently being implemented.
31. If the pipeline construction involves dredging to be undertaken by the proponent under the approval to which these conditions are attached, the proponent must prepare a Dredge Management Plan.	Activated	Compliant – QGC first submitted the Narrows Crossing Dredge Management Plan to the Minister on 12 June 2012. SEWPaC provided comments on the plan which were incorporated by QGC. A revised plan was submitted to SEWPaC on 2 August 2012 and was approved by the Minister on 7 August 2012.
32. The Dredge Management Plan required under these conditions must include: a) details of dredging methods, planned commencement, duration and frequency of dredging; b) identification of areas of potentially impacted seagrass habitat and their environmental tolerances; c) identification of areas of potentially impacted seagrass habitat and their environmental tolerances; d) site specific water quality objectives for the designated habitats as a guideline for habitat protection; e) measures to refine the plume modelling data presented in the proponent's Environmental Impact Statement; f) mitigation measures and controls for the dredging and spoil disposal activities g) triggers for initiating adaptive management and potential remediation measures; h) monitoring of: i. potential impacts of dredging on seagrass including but not limited to turbidity and light attenuation; ii. the triggers established under condition 32(f); and iii. the long term impacts of the action. i) options, linked to the triggers established under condition 32(f), for adaptively managing the action - including	Activated	Compliant – the approved Narrows Crossing Dredge Management Plan includes the requirements detailed in this condition.

Condition	Status	Statement of Compliance
<p>options for varying the timing and location of dredging and spoil disposal activities;</p> <p>j) details for monitoring of dredging activities, including timing and variables measured such as turbidity and light attenuation in a format as directed by the Department to allow validation of other modelling of dredging impacts relating to the Port of Gladstone;</p> <p>k) measures to minimise the impact on listed migratory birds from noise associated with construction activities;</p> <p>l) measures to prevent and respond to the introduction of marine pest species;</p> <p>m) measures to protect dugongs, and listed turtles including the use of turtle excluder devices;</p> <p>n) details of dredge spoil placement;</p> <p>o) provisions to sample and analyse dredge spoil composition.</p>		
<p>33. The Dredge Management Plan must be submitted for the approval of the Minister. The activity the subject of the Dredge Management Plan must not start without approval. The approved plan must be implemented.</p>	Activated	<p>Compliant – QGC first submitted the Narrows Crossing Dredge Management Plan to the Minister on 12 June 2012. SEWPaC provided comments on the plan which were incorporated by QGC. A revised plan was submitted to SEWPaC on 2 August 2012 and was approved by the Minister on 7 August 2012.</p> <p>Dredging activities commenced on 21 August 2012.</p>
Location of pipeline (Callide range)		
<p>34. East of the Callide Range, the proponent must locate the pipeline within the Callide Infrastructure Corridor State Development Area as indicated in the map at Attachment 1.</p>	Activated	Compliant – the pipeline is located within the designated area.
Water crossings		
<p>35. Where reasonably possible, horizontal directional drilling must be used for major waterway crossings, including:</p> <p>a) those within the Dawson, Calliope and Condamine River catchments and any water crossing within the known distribution of the Fitzroy River Turtle (<i>Rheodytes leukops</i>) and Murray Cod (<i>Maccullochella</i></p>	Activated	<p>Compliant – the methods used for major waterway crossings is determined in accordance with the following approved plans:</p> <ol style="list-style-type: none"> 1) Export Pipeline – the Narrows Crossing Aquatic Values Management Plan, approved 30 September 2011; and 2) Pipeline Aquatic Values Management Plan, approved 30

Condition		Status	Statement of Compliance
	<i>peelii</i>). Pipeline construction across waterways within the known distribution of the Fitzroy River Turtle must not take place during the nesting and breeding season; b) Humpie and Targinie Creeks.		September 2011.
36.	Trenchless techniques are not required in minor creek beds within the known distribution of the Fitzroy River Turtle (<i>Rheodytes leukops</i>) and Murray Cod (<i>Maccullochella peelii</i>) where there is no water at the crossing site and the distance to the nearest water is sufficient to buffer any potential impacts resulting from the crossing technique.	Activated	Compliant – the methods used for major waterway crossings is determined in accordance with the Pipeline Aquatic Values Management Plan approved by the Minister on 30 September 2011.
37.	The proponent must prepare an Aquatic Values Management Plan. This plan must include: a) detailed assessment of aquatic values, including animal breeding locations for listed threatened and migratory species within the ROW; b) measures to minimise impacts on listed riparian, aquatic and water dependent flora and fauna; c) measures to minimise erosion and sediment impacts to waterways; d) measures to maintain water quality and water flow requirements, including treatment and disposal methods for hydrostatic test water; e) site-specific mitigation measures for any potential impacts from construction and operation of the pipeline on listed threatened species, including but not limited to the Fitzroy River Turtle		The approved Aquatic Values Management Plans includes the requirements detailed in this condition.
38.	The Aquatic Values Management Plan must be approved in writing by the Minister. Activities the subject of the Plan must not start without approval. The Plan must be implemented.	Activated	Compliant – the Aquatic Values Management Plans were approved in writing by the Minister on 30 September 2011 and are currently being implemented. No activities subject to the plan were commenced prior to the approval being granted.
Notification of commencement			
39.	Within 20 business days of commencement, the proponent must advise the Department in writing of the actual date of commencement.	Activated	Compliant – on 22 March 2011, QGC notified SEWPaC that works on the Right of Way commenced on 15 March 2011.

Condition		Status	Statement of Compliance
40.	If, at any time after 5 years from the date of this approval the Minister notifies the proponent in writing that the Minister is not satisfied that there has been commencement of the action, the action must not commence without the written agreement of the Minister.	Not Activated	Compliant – the action has commenced within 5 years of the approved date.
Request for variation of plans by proponent			
41.	If the proponent wants to act other than in accordance with a plan approved by the Minister under these conditions, the proponent must submit a revised plan for the Minister's approval.	Activated	Compliant – Works during reporting period were conducted in accordance with currently approved plans.
42.	If the Minister approves the revised plan, then that plan must be implemented instead of the plan originally approved.	Not Activated	Compliant – Revised plans are implemented upon approval.
43.	Until the Minister has approved the revised plan, the proponent must continue to implement the original plan.	Not Activated	Compliant – Only approved plans are implemented on site.
Revisions to plans by the Minister			
44.	If the Minister believes that it is necessary or desirable for the better protection of a relevant controlling provision for the action, the Minister may request the proponent to make, within a period specified by the Minister, revisions to a plan approved under these conditions.	Not Activated	QGC is not aware of a request from the Minister to revise approved plans during the reporting period.
45.	If the Minister makes a request for revision to a plan, the proponent must: a) comply with that request; and b) submit the revised plan to the Minister for approval with the period specified in the request.	Not Activated	Noted.
46.	The proponent must implement the revised plan, on approval of the Minister	Not Activated	Noted.
47.	Until the Minister has approved the revised plan, the proponent must continue to implement the original plan.	Not Activated	Noted.
Minimum timeframes for consideration of plans			

Condition		Status	Statement of Compliance
48.	For any plan required to be approved by the Minister under these conditions, the proponent must ensure the Minister is provided at least 20 business days for review and consideration of the plan, unless otherwise agreed in writing between the proponent and the Minister.	Not activated	Noted.
Compliance with State environmental and other authorities			
49	The proponent must comply with all environmental authorisations issued by the State, including conditions of an environmental authority issued under the EP Act.	Activated	<p>At the state level, QGC is required to comply with conditions imposed by the Queensland Coordinator General and the conditions of Environmental Authorities PEN100953110, PEN1000953310 and PEN10159310.</p> <p>The 2011 audit of the Coordinator-General's conditions found one instance of partial non-compliance with conditions relevant to the QCLNG pipeline. The issue related to the timing of provision of hydrostatic test water plan to the Queensland Department of Environment and Heritage Protection (DEHP). This plan was provided to DEHP prior to the commencement of hydrostatic testing.</p> <p>All instances of potential non-compliance with conditions of the EA were reported to the Queensland Department of Environment and Heritage Protection (DEHP) and SEWPaC during the Reporting Period.</p>
Provision of State plans			
50.	If a condition of a State approval requires the proponent to provide a plan then the proponent must also provide the plan to the Department or Minister on request, within the period specified in the request.	Not Activated	QGC is not aware of a request from the Minister to provide the plans.
Timeframes			
51.	If these conditions require the proponent to provide something by a specified time, a longer period may be specified in writing by the Minister.	Activated	Noted.
Auditing			
52.	On the request of and within a period specified by the	Not activated	QGC has not received any request for an independent audit of

Condition	Status	Statement of Compliance
<p>Department, the proponent must ensure that:</p> <ul style="list-style-type: none"> a) an independent audit of compliance with these conditions is conducted; and b) an audit report, which addresses the audit criteria to the satisfaction of the Department, is published on the Internet and submitted to the Department. 		compliance with the approval conditions.
<p>53. Before the audit begins, the following must be approved by the Department:</p> <ul style="list-style-type: none"> a) the independent auditor; and b) the audit criteria 	Not Activated	Noted.
<p>54. The audit report must include:</p> <ul style="list-style-type: none"> a) the components of the project being audited; b) the conditions that were activated during the period covered by the audit; c) a compliance/non-compliance table; d) a description of the evidence to support audit findings of compliance or non-compliance e) recommendations on any non-compliance or other matter to improve compliance; f) a response by the proponent to the recommendations in the report (or, if the proponent does not respond within 20 business days of a request to do so by the auditor, a statement by the auditor to that effect); g) certification by the independent auditor of the findings of the audit report. 	Not Activated	Noted.
<p>55. The financial cost of the audit will be borne by the proponent.</p>	Not Activated	Noted. .
<p>56. The proponent must:</p> <ul style="list-style-type: none"> a) implement any recommendations in the audit report, as directed in writing by the Department; b) investigate any non-compliance identified in the audit report; and 	Not Activated	Noted.

Condition		Status	Statement of Compliance
	c) if non-compliance is identified in the audit report - take action as soon as practicable to ensure compliance with these conditions.		
57.	If the audit report identifies any non-compliance with the conditions; within 20 business days after the audit report is submitted to the Department the proponent must provide written advice to the Minister setting out the: <ul style="list-style-type: none"> a) actions taken by the proponent to ensure compliance with these conditions; and QGC has not received any requests for an for an independent audit of compliance with approval conditions. b) actions taken to prevent a recurrence of any non-compliance, or implement any other recommendation to improve compliance, identified in the audit report. <p><i>Note: To avoid doubt, independent third party auditing may include audit of the proponent's performance against the requirements of any plan required under these conditions.</i></p>	Not Activated	Noted.
Reporting non-compliance			
58.	The proponent must, when first becoming aware of a non-compliance with these conditions, or a plan required to be approved by the Minister under these conditions: <ul style="list-style-type: none"> a) report the non-compliance and remedial action to the Department within five business days; b) bring the matter into compliance within a reasonable time frame specified in writing by the Department. 	Activated	QGC notified all instances of potential non-compliance with conditions of the Approval to SEWPaC during the Reporting Period. <p>One instance of non-compliance resulted in Penalty Infringement Notices being issued by SEWPaC. These notices arose from a failure to notify SEWPaC of non-compliance with a condition of the EA within the required 5 business day notification period. The notices were not issued as a result of any environmental harm.</p> <p>A complete list of potential non-compliances is provided in Table 1 at the end of this annual return. The actions taken to bring these matters into compliance are also provided in Table 1.</p>

Condition		Status	Statement of Compliance
Record-keeping			
59.	The proponent must: <ul style="list-style-type: none"> a) maintain accurate records substantiating all activities associated with or relevant to these conditions of approval, including measures taken to implement a plan approved under these conditions; and 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. 	Activated	Compliant – accurate records, including measures taken to implement approved plans under the conditions are kept at QGC's head office. No request to make those records available to SEWPaC has been received by QGC during the Reporting period.
Financial assurance			
60.	The proponent must: <ul style="list-style-type: none"> a) provide the Minister with a financial assurance in the amount and form required from time to time by the Minister for activities to which these conditions apply; and b) review and maintain the amount of financial assurance based on proponent reporting on compliance with these conditions, and any auditing of the activities. 	Not activated	QGC has not received a request from the Minister to provide financial assurance during the reporting year.
61.	The financial assurance is to remain in force until the Minister is satisfied that no claim is likely to be made on the assurance.	Not activated	Noted.
Annual Environmental Return			
62.	The proponent must produce an Annual Environmental Return which:	Activated	Compliant – this Annual Environmental Return demonstrates compliance with this condition.

Condition	Status	Statement of Compliance
<p>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.</p>		<p>QGC has not identified any unavoidable adverse impacts on MNES during the Reporting Period and has continued to implement the measures detailed in the CEMP to avoid any such impacts.</p>
<p>63</p> <p>The proponent must publish the Annual Environmental Return on its website within 20 calendar days of each anniversary date of this approval. In complying with this publication requirement, the proponent must ensure that it has obtained relevant rights in relation to confidentiality and intellectual property rights of third parties</p>		<p>QGC requested an extension to the publication date of this annual return until 7 December 2012. This request was approved by SEWPaC and this annual return has been published on the QGC website by that date.</p> <p>The previous Annual Environmental Return was published on QGC's website http://www.qgc.com.au/media/125339/02--annual_return_4399--pipeline.pdf within 20 calendar days of the anniversary date of the EPBC Approval.</p>
Survey data		
<p>64.</p> <p>If requested by the Department, the proponent must provide all species and ecological survey data and related survey information from ecological surveys undertaken for MNES. The data must be collected and recorded to conform to data standards notified from time to time by the Department</p>	Not Activated	<p>QGC has not received any request from the Department.</p>
Publication of Plans		
<p>65.</p> <p>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</p>	Activated	<p>Partially Compliant – all plans approved by the Minister are published on the following website. http://www.qgc.com.au/environment/environment-management/management-plans.aspx</p> <p>However, there was a delay to the publication of the Narrows Crossing Dredge Management Plan. The Dredge Management Plan was approved by the Minister on 7 August 2012 and was published</p>

Condition		Status	Statement of Compliance
66.	The Department may request the proponent to publish on the internet a plan in a specified location or format and with specified accompanying text. The proponent must comply with any such request.	Not activated	on the QGC website on 20 November 2012. QGC has not received any request from SEWPaC
Dictionary			
67.	<p>In these conditions:</p> <p>Bundled crossing means the dredging, trenching and other construction activities associated with the placement of multiple gas transmission pipelines across the Kangaroo Island Wetlands and the Narrows in a common corridor constructed by the approved proponent;</p> <p>Clearance of native vegetation means the cutting down, felling, thinning, logging, removing, killing, destroying, poisoning, ring barking, uprooting or burning of native vegetation;</p> <p>Commencement means clearing of vegetation that is a listed threatened species or community or that is habitat of listed threatened species or listed migratory species or pipeline construction (including trenching). Commencement does not include:</p> <p>a. minor physical disturbance necessary to undertake pre-clearance surveys or establish monitoring programs or associated with the mobilisation of the plant, equipment, materials, machinery and personnel prior to the start of pipeline development or construction;</p> <p>b. activities that are critical to commencement that are associated with mobilisation of plant and equipment, materials, machinery and personnel prior to the start of development only if such activities will have no adverse</p>	Activated	Noted.

Condition		Status	Statement of Compliance
	<p>impact on MNES, and only if the proponent has notified the Department in writing before an activity is undertaken.</p> <p>Department means the Australian Government department responsible for administering Part 4 of the EPBC Act;</p> <ul style="list-style-type: none"> • <i>EP Act</i> means <i>Environmental Protection Act 1994</i> (Qld); • <i>EPBC Act</i> means the Commonwealth <i>Environment Protection and Biodiversity Conservation Act 1999</i>; <p>Minister means the Minister responsible for Chapter 4 of the EPBC Act, and may include a delegate of the Minister under s.133 of the EPBC Act;</p> <p>MNES means matters of national environmental significance, being the relevant matters protected under Part 3 of the EPBC Act;</p> <p>Plan includes a protocol, report, study, plan, or strategy (however described); .</p> <p>Proponent means the person to whom the approval is granted, and includes any person acting on behalf of the proponent;</p> <p>Referral means a referral under the EPBC Act including any variation of the referral.</p> <p>ROW means the pipeline right of way where any disturbance or construction is to be restricted to a corridor in which the pipeline may be placed. This corridor includes the area required for related activities such as access tracks. The corridor is illustrated in Attachment1;</p>		

Condition		Status	Statement of Compliance
	Substantial commencement means delivery of coal seam gas through the pipeline.		

TABLE 1

Condition 58 reporting non-compliance – the following instances of potential non-compliances were reported to SEWPaC during the Reporting Period. Each of the non-compliances relate to condition 49 which requires that “the proponent must comply with all environmental authorisations issued by the State, including conditions of an environmental authority issued under the EP Act”.

NOTIFICATION	DATE	Identified Remedial Actions
NARROWS SECTION OF THE PIPELINE		
During a third party audit in the Narrows Section, refuelling was seen to occur: <ul style="list-style-type: none"> • without the use of a drip tray; and • with only person present. 	24/10/2011	QGC’s principal contractor, MCJV, advised that: <ul style="list-style-type: none"> • fuel truck operators were immediately re-trained on appropriate re-fuelling procedures. • additional spill response training within induction material was provided for all appropriate staff. SEWPAC advised on 14 March 2012 that will not take any compliance and enforcement action in response to this incident and this matter is considered closed by the Department.
During a third party audit in the Narrows Section, the following matters were noted: <ul style="list-style-type: none"> • Mangrove root and associated potential acid sulphate soils were stored in a skip designed for timber rather than a contaminated soil bin. Seepage of the material to land was noted; and • There was no evidence of action being taken to clean up the release as quickly as practicable; and • The skip was placed seaward of the highest astronomical tide. 	19/12/2011	QGC’s principal contractor, MCJV, has taken the following actions to minimise the risk of future similar events: <ul style="list-style-type: none"> • skips used for the storage of potential acid sulphate soils have been relocated and sealed; • additional emphasis on appropriate storage is provided in pre-start meetings and inductions; and • Daily inspection by Environment Advisors • A new position Environmental Leading Hand has been established to assist in immediately rectifying any compliance issues SEWPaC advised on 14 March 2012 that it will not take any enforcement action in response to this incident.
Exceedance of the 30 mg/L limit on total suspended solids (TSS) in water released from a pond at the Phillipies Landing Road Section of the Narrows site. The actual level of TSS recorded was 34 mg/L.	21/12/2011	To prevent recurrence, personnel have been instructed to place floats on the pump inlet/foot valve to ensure water to be released is pumped from the top of sediment dams rather from the bottom. QGC has updated its notification procedures to minimise the risk of a

NOTIFICATION	DATE	Identified Remedial Actions
<p>In addition, QGC did not provide a written report about the above incident to DEHP, within 10 business days of the initial notification.</p>		<p>similar incident recurring. This includes the development of a notification tracking mechanism.</p> <p>QGC received a penalty infringement notice (PIN) of \$6,600. The PIN was issued for failing to notify SEWPaC within the required 5 days of first becoming aware of the incident.</p>
<p>On 27 September 2012, QGC became aware that the total suspended solids (TSS) water quality limit specified in the EA was exceeded on 20 February 2012. Field testing of water quality undertaken prior to the release of water indicated that the water met the TSS limit prescribed in the EA.</p> <p>Laboratory testing of the water samples found a TSS value of 82 mg/L compared to the EA prescribed limit of 30 mg/L.</p>	<p>20/02/2012</p>	<p>QGC's principal contractor MCJV currently uses a turbidity tube to measure TSS levels in the field. In order to increase the accuracy of TSS readings, hand held TSS monitoring equipment is being purchased. This will increase mobility and flexibility and allow for more accurate field results to be obtained.</p> <p>No response has been received by SEWPaC in relation to the non-compliance.</p>
<p>Scouring was evident around the outlet/energy dissipater of Sediment Basin 3</p>	<p>13/03/2012</p>	<p>Scouring around the outlet - energy dissipater has been repaired.</p> <p>SEWPAC advised on 27 April 2012 that they will not take any further compliance and enforcement action in response to this incident and this matter is considered closed by the Department.</p>
<p>An internal audit was conducted on the Narrows (Curtis Island) for Environmental Authority PEN 101591310 between the period 28 May and 30 May 2012. During the site inspection, the auditor noted machinery being refuelled without the use of a drip tray and by only one person. The EA states that two personnel must be present during the refuelling of machinery.</p>	<p>28/05/2012</p>	<p>The non-compliance was immediately rectified by utilising a drip tray. Additional training and emphasis on the EA conditions has been enforced during start up meetings, including ensuring that two people are present during the refuelling of machinery.</p> <p>SEWPaC advised on 11 July 2012 that they will not take any compliance and enforcement action in response to this incident and this matter is considered closed by the Department.</p>
<p>On the dates identified, QGC did not meet the requirement to notify DEHP of injuries and deaths to fauna within the 24 hour period required under the species management plan.</p> <p>The delay in reporting was minimal and did not result in any environmental harm.</p>	<p>28/05/2012, 09/06/2012, 14/06/2012, 15/06/2012 and 18/06/2012, 17/10/2012</p>	<p>QGC continues to implement the mitigation methods described in the Species Management Plans for the Narrows. In accordance with these plans, fauna spotters were present during clearing activities.</p> <p>Administrative errors and omissions from the fauna register have been addressed and procedures continue to be reviewed to ensure that fauna incidents are reported in a timely manner.</p>

NOTIFICATION	DATE	Identified Remedial Actions
<p>During a heavy rainfall event at the Narrows' Curtis Island site, approximately 3,000 litres of sediment laden water flowed through the QGC site, onto an adjacent vegetated area and then off site towards Graham Creek.</p>	<p>27/06/2012</p>	<p>QGC contractors are accelerating measures to prevent a recurrence of this incident. Such measures include improved surveillance for the site, applying a dedicated erosion and sediment control crew and installing sandbags around the right of way crossing.</p>
<p>On 15 July, approximately 73mm of rain was received at the QCLNG Curtis Island project site. This unseasonal rainfall resulted in the movement of sediment from the Right of Way pipeline precinct on the Curtis Island site. The water moved through existing erosion and sediment controls, resulting in the discharge of sediment laden water to the surrounding environment and waterways.</p>	<p>15/07/2012</p>	<p>QGC's contractors are accelerating measures to prevent a recurrence of this incident. Such measures include improved erosion and sediment control devices, as well as working with an independent Certified Practitioner in Erosion and Sediment Control, who is advising on additional preventative measures.</p> <p>SEWPAC advised on 05 September 2012 that they will not take any compliance and enforcement action in response to this incident and this matter is considered closed by the Department.</p>
<p>Following heavy rainfall, a minor amount of sediment was released to the Right of Way located at CH8550 and CH8850, Curtis Island.</p>	<p>27/08/2012</p>	<p>QGC's contractors continue to implement erosion and sediment control measures and monitor them regularly to ensure adequate maintenance, particularly during the upcoming wet season.</p> <p>SEWPAC advised on 28 September 2012 that will not take any compliance and enforcement action in response to this incident and this matter is considered closed by the Department.</p>
<p>Three potential non compliances were found during an internal audit conducted in August:</p> <ol style="list-style-type: none"> 1. Lubricating liquids were found stored outside without an effective containment system on Curtis Island. Condition E8 of the EA requires any liquids that have the potential to cause environmental harm to be stored in or serviced by an effective containment system. 2. A contractor was observed refuelling a vehicle alone on Curtis Island. Condition E17(d) of the EA requires refuelling to be undertaken by two personnel to minimise the risk of overfill. 3. A diesel tank was found stored in the Marshlands section, below the Highest Astronomical Tide. Condition E6 of the EA 	<p>29/08/2012 and 30/08/2012</p>	<p>The following remedial actions were taken in response to the audit findings:</p> <ul style="list-style-type: none"> • An immediate review of all items stored around site offices and, in the event that storage was occurring without an appropriate bund, a bund was provided for use • The requirements for appropriate bunding is now be included in weekly environmental inspections • A toolbox session focussing on the refuelling requirements under the EA was held. Two signatures will be required prior to each refuelling event. <p>SEWPAC advised on 03 October 2012 that they will not take any compliance and enforcement action in response to this incident and this matter is considered closed by the Department.</p>

NOTIFICATION	DATE	Identified Remedial Actions
requires any chemical and fuel storage to undertaken above the Highest Astronomical Tide and only within the Phillipies Landing Road Section, the Creek Section HDD entry Pad and the Curtis Island Section		
QGC became aware on 22 September that water quality testing of all the parameters required under the EA was not undertaken for each sampling event and that not all relevant samples were tested by a NATA certified laboratory	Between October 2011 and September 2012	<p>QCC's principal contractor, MCJV has taken the following steps to ensure compliance with the monitoring conditions:</p> <ul style="list-style-type: none"> • appointment of a senior environmental advisor to manage water quality monitoring and discharges; • enhanced discharge processes to require 2 people to sign discharge forms prior to discharge, to ensure that monitoring is occurring; • included monitoring as a standing agenda item at monthly project meetings; • recording additional information during periods of no discharge such as pond water levels and any impediments to water monitoring; • deliver additional awareness and training sessions to environmental and construction staff; and • investigation of the use of data control software to manage data from the large number of discharge and release points together with the monitoring sites to reduce human error.
The Narrows Crossing Dredge Management Plan was not published on the website within 30 business days of approval by the Minister.	QGC became aware of this on 20/11/2012	<p>The plan was published on the website on 20 November 2012. QGC has updated its internal procedure to minimise the risk of a similar incident recurring.</p> <p>Dredging activities commenced on 21 August 2012.</p>
THE GAS COLLECTION HEADER SECTION		
The release of approximately 66,000 litres of treated effluent from a sewage treatment plant located at the QCLNG Pipeline Camp at Upper Downfall Creek Road.	21/03/2012	<p>The remedial actions taken included replacing the malfunctioning pump, treatment of the small area of land affected using lime, and the removal of the released treated effluent water by a regulated waste transporter.</p> <p>To prevent recurrence, QGC proposed to install additional thermal overload warning systems on the transfer pump mechanics and pump motor. This is to ensure that a back-up pump will kick in automatically in the event of a future transfer pump malfunction.</p>

NOTIFICATION	DATE	Identified Remedial Actions
		SEWPaC advised on 27 April 2012 that they will not take any compliance and enforcement action in response to this incident and this matter is considered closed by the Department.
An external audit was conducted of the Gas Collection Header Pipeline Environmental Authority PEN 100953310 between February and March 2012. During this site inspection of the Gas Collection Header at KP47, KP48.3, KP50 and KP54.2, the auditor noted a lack of night caps on the end of strung pipes. The EA states that the end of strung pipes must be fitted with night caps.	14/03/2012	The incident has since been rectified and night caps have been fitted to all long and short pipe strings between KP47-KP61. In addition, the contractor has ordered sufficient hard plastic night caps to ensure the remaining strung pipes will be covered appropriately. SEWPAC advised on 11 July 2012 that they will not take any compliance and enforcement action in response to this incident and this matter is considered closed by the Department.
The release of more than 200 litres of treated effluent to land from a sewage treatment plant at the QCLNG Pipeline 'Camp 2' at Upper Downfall Creek Road, Guluguba.	23/04/2012	Remedial actions included pumping out the sediment basin water which was removed by a regulated waste transporter. Maintenance personnel have increased the pumping capacity at each pump. The area between the sewage treatment plant and the sediment basin are to be treated with lime ameliorant.
A release of circulation fluid (2-4 cubic metres) which comprised of drilling fluid, water and bore hole cuttings to the bank of the Condamine River.	23/04/2012	Remedial actions included immediately ceasing drilling, placing a sand bag bund to contain and isolate accumulated circulation fluid, deploying an absorbent boom as a secondary containment device, installing pumps to remove the circulation fluid and personnel were place on site to monitor the situation. A transitional environmental; program (TEP) was submitted to DEHP on 2 May 2012 and approved by DEHP on the same day. This program outlines the measures QCLNG and its contractors will take to minimise the risk of a release of water. The TEP was successfully completed on 21 June 2012. SEWPAC advised on 15 June 2012 that will not take any compliance and enforcement action in response to this incident and this matter is considered closed by the Department.
During dewatering of a short section of the pipeline trench, rainwater was released to land at KP 106 and flowed on to a	06/05/2012	Dewatering activities stopped as soon as the release became evident and the landholder was notified.

NOTIFICATION	DATE	Identified Remedial Actions
landowner's property.		<p>The remaining water was pumped into a tanker truck and removed from the property. This eliminated the risk of any further releases to land or waterways.</p> <p>Water samples of trench water and surface water bodies were collected and the certificates of analysis of provided to DEHP.</p> <p>SEWPAC advised on 15 June 2012 that will not take any compliance and enforcement action in response to this incident and this matter is considered closed by the Department.</p>
<p>Water was released to an adjacent watercourse at KP109 during dewatering of a section of the pipeline trench.</p> <p>The release occurred after a section of trench was excavated extending from a bell hole, allowing drainage of the trench downhill toward the watercourse.</p>	08/05/2012	<p>Remedial measures taken include the following:</p> <ul style="list-style-type: none"> • Erosion and sediment damaged by the event were reinstated by MCJV ESC crew (berms, sediment fences, sumps etc); • Sediment deposited on riparian vegetation near the surface water was raked clean and reseeded; • The pipeline trench was re-plugged at the downhill end so that further rainwater that may enter the trench will not be released to the surface water; <p>Water samples of trench water and surface water bodies were collected and the certificates of analysis of provided to DEHP.</p> <p>SEWPAC advised on 15 June 2012 that they will not take any compliance and enforcement action in response to this incident and this matter is considered closed by the Department</p>
EXPORT PIPELINE		
<p>Release of approximately 500 litres of circulation fluid during horizontal directional drilling (HDD) works along the export pipeline at KP33, near Wandoan.</p>	22/07/2012	<p>Remedial works included the following:</p> <ul style="list-style-type: none"> • Drilling ceased immediately; • Released material was completely removed from site; and • Personnel, plant and equipment were put in place at the site to monitor the situation; • The material from the release was immediately removed from site which prevented any environmental harm to the immediate and surrounding areas.

NOTIFICATION	DATE	Identified Remedial Actions
		<p>The following actions will continue to be implemented to minimise the likelihood of a recurrence:</p> <ul style="list-style-type: none"> • Continuous monitoring of all drilling operations; • Strict adherence to relevant project plan and procedures; and • Ensure appropriate personnel and resources are on standby to respond should a similar incident recur; • Use incident as a training tool with crews. <p>SEWPAC advised on 06 August 2012 that will not take any compliance and enforcement action in response to this incident and this matter is considered closed by the Department.</p>
<p>Release of circulation fluid during horizontal directional drilling (HDD) works along the export pipeline at KP 45.3.</p>	<p>14/08/2012</p>	<p>Remedial works included the following:</p> <ul style="list-style-type: none"> • Drilling ceased immediately; • Released material was completely removed from site; • Personnel, plant and equipment were put in place at the site to monitor the situation; • Continuing compliance with the contractors HDD drilling management plan, which includes prevention of releases, loss of circulation, fluid to water and to land, drilling mud contingencies, reporting and record keeping. • The material from the release was immediately removed from site which prevented any environmental harm to the immediate and surrounding areas. <p>The following actions will continue to be implemented to minimise the likelihood of a recurrence:</p> <ul style="list-style-type: none"> • Continuous monitoring of all drilling operations, including quality of mud; • Calculations of the solids generated by the reaming process will be used to calculate the time needed to drill each joint, to ensure the fluid is not overloaded with cuttings; • Review the drill fluid ratio of bentonite and additives, so that the mixture will seal off most minor fissures or faults and maintain borehole integrity;

NOTIFICATION	DATE	Identified Remedial Actions
		<ul style="list-style-type: none">• Continual communication between MCJV Environmental Department and Subcontractors performing works;• Strict adherence to relevant project plan and procedures; and• Supervision of drilling sub contractor by QGC and MCJV Environmental Team.