Annual Return – EPBC 2008/4398

Queensland Curtis LNG Gas Fields

Rev 0

November 2012

QUEENSLAND CURTIS LNG

DOCUMENT INFORMATION SHEET

TITLE: Annual Return – EPBC 2008/4398 – Gas Fields

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 2008/4398 (**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 2008/4398 – gas fields component for the period from 22 October 2011 to 21 October 2012 (**the Reporting Period**).

Condition 110 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

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 2008/4398 – gas fields for the period from 22 October 2011 to 21 October 2012 (**the Reporting Period**).

1.3 Project Activities During the Reporting Period

The QCLNG gas field development commenced on 22 October 2011 and significant progress has been made since that time. Following is a brief summary of the activities during this Reporting Period:

- At Chinchilla construction has commenced on the gas fields operations control centre and a new visitors centre has been opened.
- Upstream in the northern gas fields civil works and construction has commenced at Woleebee Creek on two water storage ponds and the electrical substation which will be used to power the central processing plant.
- Completion of a logistics base in Miles
- Upstream in the central gas fields the Kenya water treatment plant is reaching completion. This facility will supply processed permeate water for beneficial reuse to local farmers via the Sunwater pipeline
- The second of QGC's new field compressor stations has been completed at Bellevue following its final readiness review for commissioning.
- Upstream in the southern gas field, construction of the Ruby Jo workers camp, central processing plant, field compressor station and aggregated water storage ponds are well advance.
- Modules have arrived for the construction of the David block field compressor station and civil works has commenced on the Isabella block field compressor station.

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 GAS FIELDS – EPBC 2008/4398

Condition		Status	Statement of Compliance
Project Area			
1.	The project area is the area identified at Figure 1, with a maximum QCLNG Gas field development area of 26,760 ha, within the following petroleum tenures (as they are at the date of the decision to which these conditions are attached): • ATPs 610,621,632 (portion of), 647, 648, 651, 676 and 768 (portion of); • PLs 179, 201. 228, 229,171,180,211,247; • PLAs 212, 257, 259, 261, 262, 263, 273, 274, 275, 276, 277, 278. 279**.**	Activated	Compliant – project area confined to area identified at Figure 1.
Infrastructure limits			
2.	Impacts must be limited to a maximum of 6,000 production wells and impacts related to associated gas fields development.	Activated	During the reporting year, the impacts were limited to up to 365 wells located in the Surat Basin within the relevant petroleum tenures.
Constraints Planning and Field Development *Protocol for Constraints Planning and Field Development*			
3.	Before the commencement of QCLNG Gas field development, the proponent must develop a Constraints Planning Protocol (the Protocol)	Activated	Compliant. QGC developed a Constraints Planning and Field Development Protocol (the Protocol) and submitted it to SEWPaC on 12 August 2011. Following receipt of comments from SEWPaC, a revised version was submitted on 13 October 2011. The Protocol was approved by SEWPaC on 21 October 2011.
4.	The Protocol must apply for the life of the project and include the principles of: a) Avoiding direct and indirect adverse impacts on MNES; b) Mitigating and managing direct and indirect Impacts to minimise cumulative adverse impacts on MNES; and c) Active site remediation and rehabilitation of impacted areas to	Activated	Compliant - the Protocol includes the requirements of this condition.

Condition		Status	Statement of Compliance
	promote and maintain long-term recovery of MNES.		
5.	The Protocol must: a) classify the following as being within the proponent's highest environmental constraint class - Zone 4a (or should the proponent's classification be revised, an equivalent high environmental constraints class): i. all listed threatened ecological communities; ii. all listed flora species; and iii. those listed threatened and migratory fauna species habitats as identified in management plans required under these conditions, which where relevant may be described in terms of specific niche habitat types. *Note: The proponent's approach to environmental constraint class Zone 4a and related impact avoidance and mitigation is described in volume 3, chapter 7 (7.6.2.4) of the proponent's Environmental Impact Statement (dated July 2009). The protocol conditions ·do not apply to the other constraints that the proponent has included in environmental constraint class - Zone 4a unless these are relevant to MNES.* b) take into account all current survey data and available information and maps of all MNES relevant to the project area as described within environmental constraint class Zone 4a; c) require the undertaking and documentation of planning and pre-clearance site assessments and field ecological surveys in proposed QCLNG Gas field development areas where constraint class Zone 4a is mapped, likely, or found. The pre-clearance site assessments and field ecological surveys must identify and assess options relating to potential QCLNG Gas field development impacts on MNES and provide recommendations to inform the proponent's decision to develop the project area;	Activated	Compliant - the Protocol includes the requirements of this condition. An exception occurred during the reporting period relating to part (g) (vii) of this report. Refer to Table 1 for details of this exception.

Condition		Status	Statement of Compliance
	d) to avoid direct and indirect adverse impacts on MNES, including fragmentation and edge effects, require the proponent to determine the location of proposed infrastructure in accordance with the following: i. preferentially avoid native vegetation that constitutes a listed ecological community and/or may provide habitat for listed species and utilise previously cleared or previously utilised areas; ii. exclude exploration and production wells from within areas identified as environmental constraint class Zone 4a unless their location within environmental constraint class Zone 4a is justified as an exception given other constraints and the impact on any MNES will be minimal, short term and recoverable; and iii. either: I. exclude other non linear infrastructure from the no impact zone; or II. where the location of other non linear infrastructure in the no impact zone is justified given other constraints and cannot be avoided, only authorise the siting of that infrastructure in that zone where field ecological surveys demonstrate that there will be minimal, short term and recoverable, or no adverse impact on any MNES, including habitat for any listed species; iv. either: I. exclude linear infrastructure from the impact risk zone; or II. where the location of linear infrastructure in the impact risk zone is justified given other constraints and cannot be avoided, only authorise the siting of that infrastructure in that zone where field ecological surveys demonstrate that there will be minimal adverse impact on any MNES, including habitat for any listed species.		

Condition		Status	Statement of Compliance
	Note: Justification is reportable in accordance with condition 13 a) vii). The management plan requirements under condition 8 h) may also indicate that a species or its habitat can co-exist. with specific types of gas field infrastructure and operations e) require the proponent to plan for and decide the extent that proposed linear infrastructure may have adverse impacts on MNES in accordance with the following: i. all linear disturbance within environmental constraints class Zone 4a for MNES and the impact risk zone must be: I. limited to 6 metres in width for single lane track; II. limited to 15 metres if there are one or two parallel gas or water gathering lines; III. limited to 20 metres if there are three, four, or five parallel gas or water gathering lines; IV. limited to 25 metres if there are six, seven or eight parallel gas or water gathering lines; V. limited to .30 metres if there are greater than eight parallel gas or water gathering lines. ii. ii. gas and water trunkline rights of way, water distribution pipeline rights of way, the Upstream Infrastructure Corridor (UIC), and other major linear infrastructure disturbance corridors within environmental constraints class Zone 4a and the impact risk zone must be: I. limited to 30 m in width where there are one or two gas and water trunklines, underground 33kV power lines and fibre optic cables in parallel; II. limited to 30 metres plus an additional 4 metres for every additional gas or water trunkline in parallel with the initial one or two gas or water trunklines, underground 33kV power lines and fibre optic cable; III. limited to disturbance in the corridor described for the UIC.		

Condition		Status	Statement of Compliance
	iii. where feasible, gas trunklines, pipelines for associated water and other transmission lines must be co-located to reduce total disturbance on MNES. f) support bioregional corridors for listed threatened species and migratory species, and connectivity for listed threatened ecological communities; g) ensure site assessments and field ecological surveys: i. are 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/guidelinespolicies.html#threatened; ii. take into account and reference previous ecological surveys undertaken in the area and relevant new information on likely presence or absence of MNES; iii. are undertaken by a suitably qualified ecologist approved by the Department; iv. document the survey methodology, results and significant findings in relation to MNES. v. apply best practice site assessment and ecological survey methods appropriate for each listed threatened species, migratory species, their habitat and listed ecological communities; vi. apply the mapping of environmental constraints class Zone 4a; the infrastructure location requirements; minimum no impact zones; impact risk zones; and the width requirements for linear infrastructure corridors described in e); vii. reports are published by the proponent on the internet 20 business days before clearance of native vegetation in an infrastructure impact area and provided to the Department on request; h) require species and ecological community management plans		

Condition		Status	Statement of Compliance
	which include: i. relevant avoidance and mitigation measures to be applied; ii. measures for protecting each listed threatened species and migratory species and their habitat, and each listed threatened ecological community not previously assessed by the proponent, . should one or more be found in the project area at any time over the life of the project. Any such management plans must be developed in a timeframe to be approved by the Department. Notification of additional MNES found must be provided to the Department in writing within 10 business days. Measures must iii. include the development of a management plan consistent with iv. requirements under condition 8; and i) ensure constraints planning and field development decisions are made in accordance with the Protocol (including any relevant species and ecological community management plans) before final selection of specific sites for QCLNG Gas field development within the project area.		
6.	The Protocol must ensure relevant information on MNES is available and used by the proponent to support field development and management decisions throughout the life of the project.	Activated	Compliant - the Protocol includes the requirements of this condition. The Protocol will be reviewed periodically to ensure that relevant information on MNES is available throughout the life of the project.
Management plans for listed species and ecological communities			
7.	Before commencement of each major stage of QCLNG Gas field development the proponent must develop management plans for that area addressing each listed species and listed ecological community that, as indicated through assessment or more recent information, may be potentially impacted by QCLNG Gas field development within the project area (defined by condition 1), or external to the project area, as a result of QCLNG Gas field development. The management plans must address as a minimum, the ecological communities and species and their habitat as specified in Tables 1, 2 and 3 of these conditions:	Activated	Compliant – The Gas Fields Significant Species Management Plan was submitted to SEWPaC on 26 September 2011. Following further review, the plan was resubmitted on 18 October 2011 and received approval from the Minister on 20 October 2011.

Condition		Status	Statement of Compliance

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.

Note 2: Major stages of development are to be notified under condition 88.

Table 1: Species potentially impacted by QCLNG Gas field development for which management plans are required

Species	EPBC status	Indicative habitat
Dasyurus hallucatus (Northern Quoll)	Endangered	Habitat generally encompasses some form of rocky area for denning purposes with surrounding vegetated habitats used for foraging and dispersal. Preferred habitat of rocky hills and escarpments, open forest and open woodland
Chalinolobus dwyeri (Large- eared Pied Bat, Large Pied Bat)	Vulnerable	Usually found in proximity to cliff lines and escarpments and sandstone outcrops, where shallow caves appear to be used as roosts, although the species is also known to use tree hollows. Known to forage in adjoining woodlands including Brigalow ecological communities
Tumix Melanogaster (Black-breasted Button-quail)	Vulnerable	Drier low closed forests, particularly semi evergreen vine thicket, low microphyll vine forest, araucarian microphyll vine forest and araucarian notophyll vine Forest
Erythrotriorchis Radiatus (Red Goshawk)	Vulnerable	Eucalypt woodland, open forest, gallery rainforest, swamp sclerophyll forest and rainforest margins, usually in association with large tracts of forest. Prefers a mosaic of vegetation types and permanent water.
Rostatual Australis	Vulnerable	Potentially any wetland and farm dams with suitable vegetation

Condition				Status	Statement of Compliance
	(Australian Painted Snipe)		cover, temporary and permanent lakes, swamps and claypans. Favours freshwater swamps and samphire salt marshes		
	Delma torquate (Collared Delma)	Vulnerable	Eucalypt or acacia dominated woodland including Brigalow ecological communities and open forest where it is associated with suitable microhabitats (exposed rocky outcrops or a sparse understorey of tussock grass, shrubs or semi-evergreen vine thickets)		
	Geophaps scripta scripta (Squatter Pigeon (Southern)	Vulnerable	Grassy woodlands and open forest that are dominated by eucalypts, open grassy pastures in associate with cattle grazing and marshes, acacia growth and disturbed habitats (ie around stockyards, along roads and railways, and around settlements.)		
	Denisonia maculate (Ornamental Snake)	Vulnerable	Sandy soils, riverside woodland and open forest growing on natural levees and other riparian habitats. Shelters under fallen timber and in soil cracks. Known from cleared grazing and cropping lands where suitable soils exist		
	Furina dunmalli Vulnerable (Dunmall's Snake)	Vulnerable	and clay loam soils (usually on heavy clay soils); Also known to occur in eucalypt and callitris woodland with fallen timber and ground litter		
	Nyctophilus timoriensis (Eastern Long-eared Bat)	Vulnerable	River red gum forest, semi-arid woodlands, savannahs and open woodlands, often in association with riverine environments in Brigalow Belt of inland Queensland.		

Condition		Status	Statement of Compliance
	Note 1: Table 1 is derived from Table 2 EPBC Act Listed Ecological Community and Flora Species Impacts; Table. 3 MNES Fauna Species Requiring Offset Consideration; and Table 2 Determination of EPBC Act Listed Fauna Species Impacted of the Unidel QCLNG Project Revised Terrestrial Offsets and Implementation Report QGC020-ENV-RPTO002 24 June 2010 and from listed threatened species profiles available on the Department's website. *Note 2: Habitat for species in Table 1 is to be fully described in the management plan for each species as required under condition 8. The habitat described in Table 1 is for general context and indicative only*		
8.	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 is relevant to each MNES: a) current legal status (under EPBC Act); b) known distribution; c) known species' populations and their relationships within the region; d) extent of ecological community fragmentation within the region and if appropriate minimum patch size for that community; e) to support field identification and ecological surveys, description of the relevant characteristics of the ecological community; f) species' biology, reproduction and description of general habitat; 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; 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 QCLNG Gas field development area; i) relevant management practices and methods to minimise impact	Activated	Compliant – the Gas Fields Significant Species Management Plan was developed by an ecologist approved in writing by SEWPaC on 6 May 2011. The final version of the plan was submitted for approval on 18 October 2011 and was approved by the Minister on 20 October 2011.

Condition		Status	Statement of Compliance
	and recover from impact that should include: i. site rehabilitation timeframes, standards and methods; ii. use of sequential clearing to direct fauna away from an impact zone; iii. re-establishment of native vegetation in linear infrastructure corridors; iv. welfare and safe handling of fauna specimens requiring relocation from impact sites; v. handling practices for flora specimens; vi. translocation practices and monitoring for translocation success; vii. monitoring methods including for rehabilitation success and recovery; viii. surface and ground water quality and quantity requirements, including relevant downstream environmental quality parameters; ix. 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.		
9.	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 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.	Activated	Compliant – the current Gas Fields Significant Species Management Plan was approved by the Minister on 20 October 2011 and is currently being implemented. Works in the relevant project area did not start before the plan was approved.
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	Activated	Compliant – the Gas Fields Significant Species Management Plan provides for formal review of the plan by a suitably qualified ecologist approved by SEWPaC every

Condition		Status	Statement of Compliance
	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.		five years from the date the plan is first approved.
11.	The Minister may require through a 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.	Not activated	QGC is not aware of any request from the Minister.
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.	Not activated	An independent review of the plan was not required during the Reporting Year.
Record of impacts			
13.	If an impact occurs (which may include a presumed impact where the species is presumed to be present) to a MNES during QCLNG Gas field development, operation, or decommissioning the proponent must: a) record the impact by reference to: 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 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	Activated	Compliant – QGC records the information required by this condition and records are kept at QGC's head office.

Condition		Status	Statement of Compliance
	b) record the information to a standard which can be independently audited.		
Site remediation, rehabilitation and recovery plan			
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 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.	Activated	Compliant – QGC has complied with the requirements of the Protocol and the associated Gas Fields Remediation, Rehabilitation, Recovery and Monitoring Plan. The final revision of this plan was submitted to SEWPaC for approval on 26 September 2011, and was approved by the Minister on 20 October 2011.
15	Before commencement of gas field development the proponent must develop a Remediation, Rehabilitation, Recovery and Monitoring Plan. The Plan must: a. include site remediation measures including timeframes and standards for preventing erosion and stabilising disturbed soil in impact areas; b. include measures to support recovery of listed species' habitat and recovery of listed ecological communities affected by gas field b) development; 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; d) provide for fire prevention and management regimes during construction, operation, and decommissioning to protected MNES; e) include performance measures and related monitoring to assess site remediation, rehabilitation and recovery; 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;	Activated	Compliant – the Gas Fields Remediation, Rehabilitation, Recovery and Monitoring Plan (**RRRMP**) was first submitted to SEWPaC on 26 September 2011 prior to the commencement of gas field development. Following revisions to the plan incorporating comments from SEWPaC, the updated plan was submitted for approval on 18 October 2011. The RRRMP was approved by the Minister on 20 October 2011. The approved plan includes the requirements detailed in this condition.

Condition		Status	Statement of Compliance
	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.		
16.	The Remediation, Rehabilitation, Recovery and Monitoring Plan must be submitted for the approval of the Minister. Commencement of QCLNG 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.	Activated	Compliant – the final revision of the RRRMP was submitted for approval on 18 October 2011. The RRRMP was approved by the Minister on 20 October 2011.
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.	Activated	Compliant – the approved RRRMP provides for revision of the plan as required on the basis of monitoring results and monitoring of the rehabilitation process. At a minimum the RRRMP will be reviewed every 3 years from the date of the commencement. A review of the RRRMP was not conducted during the 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 other experts, approved by the Department. Plans must be approved by the Department in writing.	Not activated	QGC is not aware of any request from the Minister.
19.	Independent review of plans will bear the financial expense of the proponent. Once independently reviewed, plans must be submitted for written approval by the Department. Approved plans must be implemented.	Not activated	No independent review of the plan was conducted during the reporting year.
Approval and Review of Protocol			

Condition		Status	Statement of Compliance
20.	The *Protocol* must be submitted for the approval of the Minister. Commencement of gas field development must not occur without written approval of the Protocol. 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 Protocol must be implemented.	Activated	Compliant - the final version of the Protocol was submitted for approval on 13 October 2011. The Minister approved the protocol on 21 October 2011. No works with the potential to impact upon MNES commenced before the approval was received.
21.	The Protocol and related plans must be reviewed and updated by the proponent to take into account the findings of the *Cumulative Impact Assessment Report* required by the Queensland Government; before each major stage of the proponent's gas field development; or following a written request from the Department. Reviewed and updated Protocols and plans must be submitted for the Minister's written approval. Once approved, updated Protocols and plans must be implemented.	Noted	The Cumulative Ecological Impact Assessment was submitted to the Queensland Coordinator General on 28 April 2011 and was considered in the preparation of the Protocol which was approved on 21 October 2011. No further review is required at this stage of the gas field development.
22.	The proponent's review of the Protocol must take into account all relevant studies, policies, standards, guidelines and advice relating to CSG activity published or provided to the proponent by the Commonwealth or Queensland governments, or published or provided by other proponents undertaking similar activities, or published or provided by other parties, including any findings of an audit against conditions, or plans or other documentation required under the conditions of this approval.	Activated	All relevant material was considered in the preparation of the current Protocol approved by the Minister on 21 October 2011.
23.	The Department may require through a request in writing that the Protocol and related plans be revised or amended before approval. Any such request must be acted on within the time frame specified.	Not activated	QGC is not aware of any request from the Minister during the Reporting Period.
24.	The approved Protocol must be incorporated into the proponent's management procedures, operational plans and other relevant documentation and kept current for the life of the project.	Activated	The protocol was approved on 21 October 2011 and was incorporated into management procedures, operational plans and other relevant documentation.
Disturbance Limits			
25.	The following maximum disturbance limits in Table 2 and Table 3 below apply to authorised unavoidable adverse impacts on MNES as a	Activated	Compliant- Disturbance carried out during the reporting period is in accordance with the limits listed in Table 2 and

<table>
<tr><th>Condition</th><th></th><th>Status</th><th>Statement of Compliance</th></tr>
<tr><td></td><td>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 for the life of the project.

<table>
<tr><th colspan="3">Table 2: Disturbance limits for listed threatened ecological Communities</th></tr>
<tr><td>Ecological community</td><td>EPBC Act status</td><td>Disturbance limit (ha)</td></tr>
<tr><td>Brigalow (Acacia harpophyl/a dominant and co-dominant)</td><td>Endangered</td><td>73 ha</td></tr>
<tr><td>The community of native species dependent on natural discharge of groundwater from the Great Artesian Basin</td><td>Endangered</td><td>o (No disturbance authorised)</td></tr>
<tr><td>Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions</td><td>Endangered</td><td>o (No disturbance authorised)</td></tr>
<tr><td>Natural Grasslands of the Queensland Central Highlands and the northern Fitzroy Basin</td><td>Endangered</td><td>o (No disturbance authorised)</td></tr>
</table>

Note: Table 2 is derived from Table 2 EPBC Act Listed Ecological Community and Flora Species Impacts of the Unidel QCLNG Project Revised Terrestrial Offsets and Implementation Report QGC020-ENV-RPTO002 24 June 2010).
<table>
<tr><th colspan="4">Table 3: Disturbance limits for listed species</th></tr>
<tr><td>Species</td><td>EPBC Status</td><td>Disturbance limit (ha)</td><td>Indicative habitat</td></tr>
<tr><td>Paradelma oreintalis (Brigalow Scaly-footO</td><td>Vulnerable</td><td>235* ha of potential habitat</td><td>Occurs in a wide range of (dry) forest and woodland habitats, including Brigalow woodland, vine thicket regrowth and rocky habitats</td></tr>
</table>
</td><td></td><td>Table 3.

Records of disturbance are kept at QGC's head office.</td></tr>
</table>

Condition					Status	Statement of Compliance
				on standstrone ridges to flats and gently undulating plians with clay, loam or sand. Not toleratnt of clearings. Specific habitat where species found includes remnant Brigalow woodland with sparse tussock grasses on grey cracking clay soils.		
	Egernia rugosa (Yakka Skink)	Vulnerable	343* ha of potential habitat	Open dry sclerophyll forest or woodland, Brigalow, shrublands, lancewood forests on sandy and open textured soils. Dense ground cover, cavities in soul-bound root systems of fallen trees and beneath rocks, hollow logs and animal burrows are considered to provide suitable microhabitat for this species.		
	Philotheca sporadica	Vulnerable	10 ha	Open to closed shrubland to closed woodland. Shallow sandy to clay loams or shallow texture contrast soils with loamy surfaces and medium clay subsoils. Ironstone gravel usually present within soil colum. Some sites have duricrust surfaces.		
	• Disturbance limits lor Brigalow Scaly-loot and Yakka Skink potential habitat are as per the methodology applied in *Unidel OCLNG Project Revised Terrestrial Offsets and Implementation Report OGC020-ENV-RPTO002* 24 *June 2010.* Note: Table 3 is derived from: Table 2 *EPBC Act Listed Ecological Community and Flora Species Impacts,* Table 3 *MNES Fauna Species Requiring Offset Consideration,* and					

Condition		Status	Statement of Compliance
	Table 2 Determination of *EPBC Act Listed Fauna Species Impacted* of the *Unidel OCLNG Project Revised Terrestrial Offsets and Implementation Report OGC020-ENV-RPTO002* 24 *June 2010;* and from the listed threatened species profiles available on the Department's website. 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.		

Condition		Status	Statement of Compliance
Offsets ***Plan to secure offsets***			
26.	Within 6 months of the commencement of the action 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: a) 80 ha of *Philotheca sporadica* habitat; and b) 343 ha of potential *Egernia rugosa* (Yakka Skink) habitat which includes micro habitat required for the species; and c) 235 ha of potential *Paradelrna orientalis* (Brigalow Scaly-foot) habitat which includes micro habitat required for the species; and d) 730 ha of Brigalow with representation of the following; (i) 30% remnant Brigalow *(Acacia harpophylla* dominant and co-dominant);and (ii) 70% which is a combination of: I. high value regrowth Brigalow; and **II.** other Brigalow regrowth with potential for management to remnant Brigalow status.	Not activated	Compliant – QGC submitted an initial Environmental Offset Plan to SEWPaC on 20 September 2010. A second revision was submitted on 29 April 2011. 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. 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. The proposal remains under consideration by SEWPaC. QGC will commence implementation of the plan as soon as receives its approval.
27.	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	Not activated	The final joint LNG offset proposal covers the requirements of this condition.

Condition		Status	Statement of Compliance
	mechanisms for long-term protection, conservation and management.		
28.	The Offset Plan must be submitted for the approval of the Minister within 6 months of the commencement of the action. The approved Offset Plan must be implemented.	Not activated	Refer to condition 26.
29.	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 26(a) to (d). The approved alternative Offset Plan must be implemented.	Not activated	Refer to condition 26.
30.	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	Refer to condition 26.
31.	The proponent must secure the offset within 2 years of commencement.	Activated	Refer to condition 26.
Offset Area Management			
32	Within 12 months of securing the offset area required under the approved Offset Plan, the proponent must develop an Offset Area Management Plan which must specify measures to improve ·the environmental values of the offset area in relation to MNES, including; a) the documentation and mapping of current environmental values relevant to MNES of the area; 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	Not activated	An offset area has not yet been secured.

Condition		Status	Statement of Compliance
	MNES; 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; 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; f) monitoring, including the undertaking of ecological surveys to assess the success of the management measures against identified milestones and objectives; 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.		
33.	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.	Not activated	An offset area has not yet been secured.
Rehabilitation Area Offset			
34.	Within 2 years of the commencement of QCLNG Gas field development the proponent must secure a Rehabilitation Area Offset of at least 700 hectares of privately held property to compensate for indirect adverse impacts on MNES. The proponent must: 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 and associated listed migratory and listed threatened species' habitat; and b. notify the Department in writing within 30 business days of securing the Rehabilitation Area Offset.	Not activated	The QCLNG gas field development commenced on 22 October 2011. As a result, this condition has not yet been activated.
35.	The Rehabilitation Area Offset must: a. be within historical distributions of the ecological community (before clearing occurred) and as close as possible to the	Not activated	Noted.

Condition		Status	Statement of Compliance
	project area; b. include intact elements of remnant and/or high value regrowth of the Brigalow *(Acacia harpophylla* dominant and co-dominant) ecological community; and c. include or have potential for providing habitat and micro habitat requirements for listed migratory and threatened species (i.e. those in Table3 that relate to this ecological community).		
36.	If, within 2 years of the commencement of QCLNG 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 34 and 35 in a timeframe specified in writing by the Minister.	Not activated	Noted.
Rehabilitation Area Plan			
37.	Within 2 years of the commencement of QCLNG Gas field development, the proponent must prepare a Rehabilitation Area Plan for the offset required. Under condition 34.	Not activated	The QCLNG gas field development commenced on 22 October 2011. As a result, this condition has not yet been activated.
38.	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.	Not activated	Noted.
39.	The Rehabilitation Area Plan must include: a) details of the area to be rehabilitated including location and maps; b) documentation including mapping of current environmental values relevant to MNES of the area; c) where revegetation through planting seedlings and/or seeds is intended details of appropriate species and ratios of species	Not activated	Noted.

Condition		Status	Statement of Compliance
	relevant to historically occurring listed migratory and threatened species' habitat and the Brigalow (Acacia harpophylla dominant and co-dominant) ecological community; d) the source and provenance of the seed and/or seedlings which will be used; e) 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; 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.		
40.	Within 2 years of the commencement of QCLNG Gas field development the Rehabilitation Area Plan must be submitted for the approval of the Minister. The approved Rehabilitation Area Plan must be implemented.	Not activated	Noted.
41.	To ensure the long term protection of the Rehabilitation Area the proponent must: a) manage the Rehabilitation Area to a stage where. it meets the criteria for 'remnant vegetation' for the Brigalow *(Acacia harpophylla* dominant and co-dominant) ecological community. 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);	Not activated	Noted.

Condition		Status	Statement of Compliance
	c) define corrective actions which will be undertaken if performance measures and reporting indicate that successful rehabilitation has not been achieved; 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.		
42.	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.
CSG Water Management			
43.	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; and b. 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	Activated	Compliant – the stage 1 and stage 2 CSG Water Monitoring and Management Plans are used by QGC to ensure compliance with this condition. Modelling of QGC's gas field development shows no impact to MNES springs from current activities or from CSG water extraction activities throughout the life of the project.
Hydraulic connection			
44.	If the proponent demonstrates to the satisfaction of the Minister, on the advice of the expert panel, that an aquifer has negligible hydraulic	Activated	Noted.

Condition		Status	Statement of Compliance
	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.		
45.	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.	Activated	Noted.
46.	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 44 applies, the Minister may notify the proponent, in writing, that condition 44 does not apply to that aquifer.	Not activated	QGC is not aware of any notification from the Minister relating to this condition during the Reporting Period.
Default drawdown			
47.	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 targeted aquifer.	Activated	Modelled groundwater drawdown contour data and contour plots for each targeted aquifer were provided to SEWPAC in December 2010.
48.	The Minister, having regard to the minimum drawdown prediction from the proponent's Environmental Impact Statement and the information supplied under condition 47, 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.	Activated	In response to the information submitted in compliance with condition 47, the Minister specified default drawdown limits for each aquifer in March 2011.
Stage 1 CSG Water Monitoring and Management Plan			
49.	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:	Activated	Compliant – the Stage 1 CSG WMMP was first submitted to SEWPaC on 20 April 2011. Following discussion with SEWPaC and the Minister's Independent Expert Panel, QGC submitted an updated Stage 1 CSG WMMP on 14 October 2011.

Condition		Status	Statement of Compliance
			QGC is awaiting approval of the Stage 1 and Stage 2 CSG WMMPs.
Groundwater monitoring and management			
	a) groundwater drawdown limits for each targeted aquifer; b) a program and schedule for aquifer connectivity studies and monitoring of relevant aquifers to determine hydraulic connectivity; c) a program and schedule for field piloting of aquifer reinjection of treated CSG water and other groundwater re-pressurisation techniques; and d) early warning indicators where drawdown thresholds are being approached.	Activated	Compliant – both the Stage 1 and Stage 2 CSG WMMPs contain the details required by this condition.
Hydraulic fracturing			
	e) The estimated number and the spatial distribution of boreholes where hydraulic fracturing may be necessary, an annual review of the estimate, and recording of actual use; f) Details of constituent components of any hydraulic fracturing agents and any other reinjected fluid(s), and their toxicity as individual substances and as total effluent toxicity and ecotoxicity, based on methods outlined in the National Water Quality Management Strategy;	Activated	Compliant – both the Stage 1 and Stage 2 CSG WMMPs contain the details required by this condition. A program of works for ecotoxicity testing is planned for 2013.
Surface water monitoring and management			
	g) An ongoing water quality and quantity surface water monitoring plan that includes at least: (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; (ii) the number and locations of monitoring sites upstream and downstream of proposed discharge of CSG water (whether treated water, amended water or raw water), including test and reference sites upstream and downstream and before and after any proposed impacts; (iii) The frequency of the monitoring and rationale for the frequency; (iv) Baseline data for each monitoring site for comparison of	Activated	Compliant – the material required by this condition is contained within the Stage 1 and Stage 2 CSG WMMPs.

Condition		Status	Statement of Compliance
	monitoring results over the life of the project; (v) The approach to be taken to analyse the results including the methods to determine trends to indicate potential impacts; (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; (vii) Water treatment and amendment methods and standards; (viii) Water storage locations and volumes including any storage and volumes required to pilot or implement reinjection or other groundwater repressurisation techniques; (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; (x) Brine storage locations and volumes, and brine crystal waste management; (xi) Emergency water discharges, their volumes and quality; (xii) References to standards and relevant policies and guidelines;		
Response actions			
	(h) mechanisms to avoid, minimise and manage risk of adverse impacts and response actions and timeframes that can be taken by the proponent if: (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	Activated Activated	Compliant – both the Stage 1 and Stage 2 CSG WMMPs contain the details required by this condition.
Reporting			
	(i) Performance measures, annual reporting to the Department, and publication of reports on the internet.	Activated	Compliant – both the Stage 1 and Stage 2 CSG WMMPs contain the details required by this condition.
50.	The proponent must implement the Stage 1 CSG WMMP approved in	Activated	Operations are in accordance with the Stage 1 WMMP.

Condition		Status	Statement of Compliance
	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.		
Stage 2 CSG Water Monitoring and Management Plan			
51.	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.	Activated	QGC prepared the Stage 2 CSG WMMP Water Monitoring and Management Plan and submitted it for approval on 23 April 2012. A revised version incorporating feedback from SEWPaC was submitted for approval on 21 September 2012.
52.	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 repressurisation 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 which CSG water is being extracted is not hydraulically connected to other aquifers; c) a groundwater quality and quantity monitoring plan to monitor the aquifers underlying the project area using a statistically and hydrogeologically valid, best practice bore monitoring network across the project area, and at least; i. the aquifers to be monitored and the rationale for selection; ii. the number and locations of monitoring bores and their flow, pressure, head, and water quality characteristics; iii. the frequency of the monitoring and rationale for the frequency; iv. baseline data for each monitoring site for comparison of monitoring results over the life of the project; v. the approach to be taken to analyse the results including	Activated	The Stage 2 CSG WMMP submitted for approval includes the information required by this condition.

Condition		Status	Statement of Compliance
	the methods to determine trends to indicate potential impacts; 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; vii. references to standards and relevant policies and guidelines; viii. mechanisms to monitor, avoid, minimise, manage, and respond to risks; and ix. performance measures, annual reporting to the Department, and publication of reports on the internet; *Response actions* d) an exceedence response plan that includes: i. mechanisms to avoid, minimise and manage risk of adverse impacts and . response actions and timeframes that can be taken by the proponent if: I. threshold values for surface water quality and water environmental values specified in the CSG WMMP are exceeded; II. threshold values specified in the CSG WMMP for aquifer drawdown or groundwater contamination are exceeded; III. subsidence or surface deformation occurs which impacts on surface or groundwater hydrology; IV. there are any unforeseen emergency discharges; and **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 re-pressurisation options to re-establish pressure levels and water qualities to the satisfaction of the Minister on the advice of an		

Condition		Status	Statement of Compliance
	expert panel, in conjunction with appropriate measures to forecast and proactively manage any short term impacts. *Note: The design of these groundwater repressurisation activities must be informed by a regional-scale groundwater model and hydrochemical model approved by the Minister.*		
Implementation of Stage 1 and Stage 2 CSG WMMP			
53.	The proponent must implement the approved Stage 2 CSG WMMP, no later than 24 months from the date of the project approval.	Not activated	The Stage 2 CSG WMMP has not yet been approved. QGC will continue to implement the Stage 1 CSG WMMP until such time as it receives approval for the Stage 2 Plan.
54.	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 tile consideration of approval of the Minister including seeking the advice of an expert panel.	Not activated	QGC remains in the first major stage of gas field development which is scheduled to be complete in 2014 following the commissioning of the QCLNG liquefaction plant on Curtis Island.
55.	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.	Activated	Compliant – the Stage 2 CSG WMMP meets the requirements of this condition.
56.	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.	Activated	Compliant – QGC is currently implementing the Stage 1 CSG WMMP to ensure compliance with this condition.
57.	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.	Not activated	QGC has not yet received approval for the Stage 1 and Stage 2 CSG WMMPs. Nevertheless, based on advice from SEWPaC and the Minister's Expert Panel dated 19 August 2011, QGC has commenced implementation of this plan. QGC will implement the Stage 2 CSG WMMP, following its approval by the Minister.
Revisions of Stage 1 and Stage 2 CSG WMMP			
58.	Consistent with an adaptive management approach the Stage 2 CSG WMMP must be reviewed and updated for each new stage of QCLNG 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	Not activated	This condition has not been activated. QGC remains in the first major stage of gas field development which is scheduled to be complete in 2014 following the commissioning of the QCLNG liquefaction plant on Curtis Island.

Condition		Status	Statement of Compliance
	and these conditions of this approval.		
59.	A reviewed and updated Stage 2 CSG WMMP must be submitted to the Minister for written approval. Commencement of each new stage of QCLNG 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.	Not activated	Refer to condition 58.
60.	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 such request must be acted on within the timeframe specified.	Not activated	Compliant – as the Stage 1 and Stage 2 CSG WMMPs have not yet been approved this condition has not been activated. Throughout the development of the plans, QGC has worked closely with SEWPaC and the Minister's Expert Panel to ensure that the plans meet the requirements of these conditions. QGC has responded amended its draft plans to reflect comments made by both SEWPaC and the Minister's Expert Panel.
Regional groundwater model			
61.	To avoid or minimise direct or indirect adverse impacts on MNES, the proponent must: a) develop a regional scale, multi-layer, transient groundwater flow model of the cumulative effects of multiple CSG developments; 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 c) contribute data as requested over the life of the Project to inform a Basin scale multi-layer, transient groundwater flow	Activated	Compliant- In accordance with SEWPAC conditional approval dated 15 July 201, QGC uses the Queensland Water Commission's regional groundwater model and associated Underground Water Impact Report to address the requirements of this condition.

Condition		Status	Statement of Compliance
	model of the cumulative effects of multiple CSG developments in the Surat and Bowen Basins.		
62.	The model required under condition 61 (a) must: 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; b) detail all data relating to the hydraulic connectivity between aquifers and aquitards used to substantiate the model parameterisation; c) be calibrated against measured piezometer responses in areas where CSG development has commenced; d) in relation to the reporting of model outputs -' conform to the recommendations of the former Murray Darling Basin Commission Groundwater Modelling Guidelines; e) include: i. water balances for the major aquifers affected by the CSG operations including the expected timeframe of any changes in water balance and pressure; ii. recharge versus extraction volumes for those aquifers; iii. details. of justification for and assumptions regarding aquifer seal integrity (i.e. thickness and distribution of aquitards); iv. quantification of hydraulic connectivity between different units (aquifers and aquitards) through drill stem and pump testing; and v. quantification of the impacts of reinjection and other groundwater re-pressurisation techniques on aquifer water balances. 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.	Activated	Refer to condition 61
63.	The model required under condition 61 (a) must be provided at the	Activated	Compliant- Queensland Water Commission's regional

Condition		Status	Statement of Compliance
	same time it is provided to fulfil requirements of the Queensland Government.		groundwater model has been approved with conditions by the Queensland Department of Heritage and Protection (**DEHP**) on 12 October 2012.
64.	The proponent must seek approval of the Department if the requirement for a model under condition 61 (a) is to be satisfied by the proponent's contribution to a regional groundwater model developed by the Queensland Water Commission (or its successor agency), as agreed between the proponent and the Commission.	Activated	Compliant- QGC sought approval from SEWPAC to rely in part of it contribution to the regional groundwater model developed by Queensland Water Commission to satisfy the requirements of condition 61 (a).
Groundwater assessment, mitigation and monitoring			
65.	The proponent must provide to the Minister a copy of the groundwater assessment required under condition 9 (Groundwater assessment, mitigation and monitoring'), Part 2, Appendix 2 of conditions imposed by the Queensland Coordinator-General in his report dated 24 June 2010. 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: 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; b) modelling to estimate the potential hydrological implications of the predicted surface and subsurface deformation; and c) measures for linking surface and sub-surface deformation arising from CSG activities.	Activated	Compliant – the Minister has approved the development of a geodetic model in cooperation with other industry participants using radar satellite imagery. The work programs to be implemented to address the remaining elements of this condition are included in the Stage 2 CSG WMMP.
Springs assessment, mitigation and monitoring			
66.	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.	Activated	Compliant – the Minister has approved the development of a geodetic model in cooperation with other industry participants using radar satellite imagery. Data is made available to SEWPaC as required.
67.	Any program required under condition 65 must be submitted to the Minister for approval with a proposed implementation schedule. The approved program must be implemented in a timeframe specified by the Minister.	Activated	Compliant – on 10 August 2011, the Minister approved the development of a geodetic model in cooperation with other industry participants using radar satellite imagery.

Condition		Status	Statement of Compliance
			Details of the work program are in the Stage 2 CSG WMMP.
68.	As a precautionary approach, the proponent must within 9 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. The survey: a) must include the Dawson River 8 springs north of Taroom; the Cockatoo Creek springs east of Taroom; and the Scott's Creek springs northeast of Roma; and 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).	Activated	SEWPaC approval was received on 15 July 2011 for the survey to be managed by Queensland Water Commission (**QWC**) as part of an industry wide approach. This approach will eliminate duplication, minimise the footprint of the works and ensure a uniformly high quality standard. As part of this work, QWC has prepared a Spring Impact Management Plan for MNES and water course springs. Details of this plan are provided in Appendix H of QWC's Underground Water Impact Report (UWIR). This report is available on QWS's website. QWC's Cumulative Impact Model also assessed the potential extent of source aquifer drawdown in the vicinity of MNES springs.
69.	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 68, then the proponent must (unless the proponent is not able to gain access to the spring, even with the assistance of relevant government agencies): a) for springs within the project area - within 1 month of survey completion protect the ecological community andlor listed threatened species from QCLNG 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; b) within 12 months of the survey completion provide to the Minister a management plan for all the relevant springs which	Activated	Refer to condition 68.

Condition		Status	Statement of Compliance
	includes: 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; 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 hydrochemical and isotopic analysis, and comparison of water levels with respect to source aquifer potentiometric surface; 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; 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; 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		

Condition		Status	Statement of Compliance
	springs; vi. specific mechanisms to avoid, minimise, and manage risks, and response actions that can be taken by the proponent where: I. any threshold values for surface environmental values are exceeded; II. any threshold values for aquifer drawdown, water quality change, or aquifer contamination are exceeded; III. subsidence or surface deformation occurs, particularly if it impacts on surface or groundwater hydrology; and IV. any unforeseen emergency discharges occur; vii. established best practice standards, policies and guidelines; and viii. performance measures, reporting to the Department, and publication of reports on the internet.		
70.	Any management plan required under condition 69(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.	Activated	Compliant – refer refer to condition 68.
71.	The results of the baseline analysis under condition 69(b) must be made available to the Queensland Water Commission as part of the proponents' obligations in respect of the regional groundwater model under condition 61(a) and provided on request to the Department.	Activated	Compliant – the results of the baseline analysis are available to the QWC.
Notifications of threshold breaches and response actions			
72.	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.	Not activated	No risk of reduction in groundwater pressure or water quality was identified during the Reporting Period.
73.	Within 10 days of a surface or groundwater threshold value (for example, water quality, environmental value, pressure, head, volume, or flow) being exceeded, the proponent must advise the Minister in	Not activated	No surface or groundwater threshold value was exceeded during the Reporting Period.

Condition		Status	Statement of Compliance
	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.		
74.	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.	Not activated	Noted.
75.	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, or make good any environmental loss, the Minister may direct the proponent to implement alternative action at the expense of the proponent.	Not activated	No direction has been received from the Minister during the Reporting Period.
Notifications and requirements about construction, operating, brine management and environmental management plans			
76.	The proponent must notify the Department in writing when developing or reviewing construction, operational, groundwater, CSG water, brine management, salinity management, environmental management, or other plans where the scope of the plans relates to potential 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.	Not activated	No amendments to plans envisaged by this condition have been made during the Reporting Period.
77.	Where the scope of the plans relates to potential 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.	Not activated	No relevant amendments to plans have been made during the Reporting Period.
Cumulative Impact Report			
78.	On the same date that an assessment of cumulative impacts is provided in accordance with requirements imposed by the Queensland	Activated	QGC submitted the following plans to the Minister and the former Queensland Department of Employment, Economic

Condition		Status	Statement of Compliance
	Government, or such other timeframe specified in writing by the Minister, the proponent must provide a copy of that report to the Minister.		Development and Innovation (**DEEDI**) on 28 April 2011. • the Cumulative Ecological Impact Assessment; and • the Cumulative Soils and Land Use Impact Assessment.
79.	In addition to meeting any requirements imposed by the Queensland Government, the report on cumulative impacts provided to the Minister must also address the following, in relation to potential adverse impacts on MNES: *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;* 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;	Activated	Compliant – QGC is addressing this requirement through a process being led by Queensland Water Commission (**QWC**). CSG proponents in Queensland, including QGC, have adopted an industry approach to monitor springs and to install an early warning monitoring bore network. This approach will eliminate duplication, minimise the impact on landholders and ensure uniform, high quality monitoring systems. QWC, as part of the development of an Underground Water Impact Report (UWIR), has prepared a Spring Impact Management Plan for MNES and water course springs. Details of the Spring Impact Management Strategy are outlined in Appendix H of the UWIR. The QWC's Cumulative Impact Model also assessed the potential extent of source aquifer drawdown in the vicinity of MNES springs.
80.	Within 3 years of the date that the cumulative impact report is provided to the Minister, 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 61 (a). The proponent must provide a report on the review to the Minister and at the same time publish the report on its website.	Not activated	Noted.
Decommissioning Plan			
81.	Within five years of the commencement of QCLNG Gas field development, the proponent must develop a Decommissioning Plan.	Not activated	This condition has not yet been activated.

Condition		Status	Statement of Compliance
	The Plan must: a) require the progressive removal or reuse of infrastructure where gas field operations cease during the project life; b) establish management practices and safeguards to minimise environmental disturbance; c) ensure MNES are not impacted by progressive decommissioning, or final decommissioning of gas field infrastructure; d) define rehabilitation actions for the infrastructure sites following decommissioning including for: i. optimising habitat and habitat connectivity for MNES; ii. enhancing pre-construction environmental quality; and iii. ongoing management during rehabilitation.		
82.	The Decommissioning Plan must be submitted for the approval of the Minister. The approved Plan must be implemented.	Not activated	This condition has not yet been activated
Survey data			
83.	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.	Not activated	QGC is not aware of any request from the Minister to provide the survey data specified in this condition.
Publication of Protocol and Plans			
84.	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.	Activated	Compliant – the Protocol and all plans approved by the Minister are published on QGC's website at: http://www.qgc.com.au/environment/environment-management/management-plans/gasfields.aspx
85.	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	No request has been received from the Minister.
Notification of commencement			
86.	Within 20 business days of the commencement of the action, the	Activated	Compliant – activities in the gas fields commenced on 22

Condition		Status	Statement of Compliance
	proponent must advise the Department in writing of the actual date of commencement.		October 2011. SEWPaC was notified in writing of this date on 9 November 2011. 22 October 2011 is also the date of commencement of the first major stage of gas field development.
87.	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.	Completed	The action has commenced within 5 years of the approved date.
88.	The proponent must notify the Department in writing of the proposed dates for each subsequent major stage of QCLNG 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 QCLNG Gas field development notify the variations.	Not activated	The first major stage of gas field development includes all gas field development activities necessary to supply gas for commissioning the LNG plant. The first major stage of gas field development will conclude at the commencement of commissioning of the LNG Plant in 2014.
Request for variation of plans by proponent			
89.	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.
90.	If the Minister approves the revised plan, then that plan must be implemented instead of the plan originally approved.	Activated	Compliant – revised Plans are implemented upon approval.
91.	Until the Minister has approved the revised plan, the proponent must continue to implement the original plan.	Activated	Compliant – only approved plans are implemented on site.
Revisions to plans by the Minister			
92.	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.*	Not Activated	QGC is not aware of a request from the Minister to revise approved plans during the reporting period.
93.	If the Minister makes a request for revision to a plan, the proponent must: a) comply with that request; and	Not Activated	Noted.

Condition		Status	Statement of Compliance
	b) submit the revised plan to the Minister for approval within the period specified in the request.		
94.	The proponent must implement the revised plan on approval of the Minister.	Not Activated	Noted.
95.	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			
96.	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.	Activated	Noted.
Compliance with State environmental and other authorities			
97.	The proponent must comply with all environmental authorisations issued by the State, including conditions of an environmental authority issued under the EP Act.	Activated	At the state level, QGC is required to comply with conditions imposed by the Queensland Coordinator General and the conditions of a number of Environmental Authorities. The 2011 audit of the Coordinator General's conditions found no issues of non-compliance with conditions relevant to the QCLNG gas fields. 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
Provision of State plans			
98.	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 und.er this approval where this is efficient. In doing so the proponent must clearly identify the respective	Not activated	QGC is not aware of any request from the Minister to provide the plans.

Condition		Status	Statement of Compliance
	responsibilities and how these are being addressed in relation to these conditions.		
Timeframes			
99.	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			
100.	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.	Not activated	QGC has not received any request for an independent audit of compliance with the approval conditions.
101.	Before the audit begins, the following must be approved by the Department: a) the independent auditor; and b) the audit criteria.	Not activated	Noted.
102.	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.	Not activated	Noted.
103.	The financial cost of the audit will be borne by the proponent.	Not activated	Noted.

Condition		Status	Statement of Compliance
104.	The proponent must: a) implement any recommendations in the audit report, as directed in writing by the Department after consultation with the proponent; investigate any non-compliance identified in the audit report; and if non-compliance is identified in the audit report take action as soon as practicable to ensure compliance with these conditions,	Not activated	Noted.
105.	If the audit report identifies any non-compliance with the conditions, within 20 business days after the audit report is submitted to the Department the proponent must provide written advice to the Minister setting out the: a) actions taken by the proponent' to ensure compliance with these conditions; and b) actions taken to prevent a recurrence of any non-compliance, or implement any other recommendation to improve compliance, identified in the audit report,	Not activated	Noted.
Reporting non-compliance			
106.	The proponent must, when first becoming aware of a non-compliance with these conditions, or a plan required to be approved by the Minister under these conditions: a) report the non "compliance and remedial action to the Department within five business days; b) bring the matter into compliance within a reasonable time frame specified in writing by the Department	Activated	QGC notified all instances of potential non-compliance with conditions of the Approval to SEWPaC during the Reporting Period. 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.
Record-keeping			
107.	The proponent must: 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	Activated	Compliant – accurate records, including measures taken to implement approved plans under the conditions are kept on QGC head office. No request has been received by QGC during the reporting period.

Condition		Status	Statement of Compliance
	independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with these conditions.		
Financial assurance			
108.	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.	Not activated	QGC has not received a request from the Minister to provide financial assurance during the reporting year.
109.	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			
110.	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.	Activated	Compliant – this Annual Environmental Return demonstrates compliance with this condition. The disturbance related to unavoidable adverse impacts on MNES was carried out in accordance with the limits set up in table 1 and table 2 of condition 25. Mitigation measures applied to avoid adverse impacts on MNES are detailed on the Protocol for Constraints Planning and Field Development. The protocol has been implemented.
111.	The proponent must publish the Annual Environmental Return on the Internet within 20 business days of each anniversary date of this approval.	Activated	Compliant – 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 will be published on the QGC website by that date. The previous Annual Environmental Return was published on QGC's website within 20 calendar days of the anniversary date of the EPBC Approval and is available at:

Condition		Status	Statement of Compliance
			http://www.qgc.com.au/media/125336/01--annual_return_4398--gasfields.pdf
Dictionary			
112	In these conditions, unless otherwise indicated: ***Brigalow*** means for the purposes of the application of. the Constraints Planning and Field Development Protocol the presence of the Brigalow *(Acacia harpophy/Ja* dominant and cO-dominant) ecological community includes Brigalow regrowth that retains the species composition and structural elements typical of that found in the undisturbed listed regional ecosystems but does not include: a. vegetation that has been comprehensively cleared (not just thinned) within the last 15 years; b. vegetation in which exotic perennial plants have more than 50% cover, assessed in a minimum area of 0.5 ha (100 m by 50m); and 33 c. individual patches of Brigalow that are smaller than 0.5 ha; ***Clearance* of *native vegetation*** means the cutting down, felling, thinning, logging, removing, killing, destroying, poisoning, ring barking, uprooting or burning. of native vegetation; . ***Commencement*** means any physical disturbance including clearance of . native vegetation, new road work, and the establishment of well sites to develop the gas field project area (the project area is specified in condition 1). Commencement does not include minor physical disturbance necessary to undertake preclearance surveys to establish monitoring programs; or associated with the mobilisation of the plant, equipment, materials, machinery and personnel prior to the start of QCLNG Gas field development. ***Conditions*** means these conditions attached to the approval of the action; ***CSG*** means coal seam gas;	Noted	

Condition		Status	Statement of Compliance
	Department means the Australian Government department responsible for administering Part 4 of the EPBC Act; ***Environmental constraints class Zone 4a*** means habitat for listed threatened species and migratory species and listed ecological communities as described in management plans 'for these matters" and as identified through ecological field surveys. It includes matters for which there is a disturbance limit specified in Tables 2 and 3 under condition 25. For the purposes of these conditions, environmental constraints class Zone 4a it does not include other constraints identified by the proponent unless these relate to MNES; ***Expert panel*** means an expert panel appointed by the Minister; ***EP Act*** means *Environmental Protection Act* 1994 (Qld); ***EPBC Act*** means the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999;* ***QCLNG Gas field development*** means all activities associated with the development of the gas fields including (but not limited to) site clearance and site preparation; development of exploration and production wells; development of water and gas transmission pipelines; infrastructure access road construction; construction of workers accommodation and office facilities; construction of gas compression stations; construction of pumping stations; construction of water treatment facilities; and construction of water storage dams; ***High value regrowth*** for the purposes of these conditions means mature native vegetation that hasn't been cleared since 31 December 1989. ***Impact risk zone*** means the area within 200 metres from the perimeter of class Zone 4A;		

Condition		Status	Statement of Compliance
	Linear infrastructure means linear infrastructure including (but not limited to) gas and water gathering lines, low and high pressure gas and water pipelines, roads and tracks, power lines and other service lines; ***Listed*** means those species,· ecological communities or other identified matters of environmental significance listed for protection under Part 3 of the EPBCAct; ***Minister*** means the Minister responsible for Chapter 4 of the EPBCAct, and may include a delegate of the Minister under s.133 of the EPBC Act; ***MNES*** means matters of national environmental significance, being the relevant matters protected under Part 3 of the EPBC Act; ***No impact zone*** means the area within 300 metres from the perimeter of class Zone4A; ***Non-linear infrastructure*** means infrastructure including (but not limited to) exploration and production wells, compressor stations, regulated dams, reverse osmosis plants, brine encapsulation facilities, workers camps, and maintenance facilities; ***Plan*** includes a report, study, protocol, program, or strategy (however described); ***Production*** means extraction of coal seam gas or associated water other than for exploration purposes; ***Proponent*** means the holder of the approval to which these conditions relate, and includes any person acting on behalf of the proponent; ***Referral*** means a referral under the EPBC Act including any		

Condition		Status	Statement of Compliance
	amendment of the referral. ***Regulatory agency*** means agencies administering the EPBC Act and the EP Act (Old); ***Remnant vegetation*** for the purposes of these conditions means vegetation that can meet the following: (a) 50% of the predominant canopy cover that would exist if the vegetation community were undisturbed; and (b) 70% of the height of the predominant canopy that would exist if the vegetation community were undisturbed; and (c) Composed of the same floristic species that would exist if the vegetation community were undisturbed. ***Trunkline rights* of *way*** means the linear construction footprint required to install gas and water trunklines, underground 33 kV power lines, above ground 33 kV power lines, fibre optic cable and gas and water gathering lines. Trunkline rights of way may contain between one and ten gas and water trunklines, between one and ten power lines, between one and ten fibre optic cables and between one and up to twelve gathering lines running in parallel; ***Upstream Infrastructure* Corridor (UIC)** is a linear corridor linking the Ruby CPP, Jordan CPP, Kenya WTP, Bellevue CPP and the Condamine Power Station. The UIC will contain multiple linear infrastructure items running in parallel, including gas trunklines, water trunklines, gas gathering lines, water gathering line, water distribution pipelines, above ground 132 kV power lines, above ground 33 kV power lines, below ground 33 kV power lines and fibre optic cable. The UIC and the infrastructure to be contained within the UIC along various sections of the UIC are shown in Figure 2 to these conditions; ***Water distribution pipelines*** means pipeline used to transfer raw or treated water to a user of that water or to transfer brine between		

Condition		Status	Statement of Compliance
	facilities that manage brine; ***Water gathering lines*** means pipelines used to transfer water between wells and regional storage ponds (RSPs); ***Water trunklines*** means pipelines used to transfer water between regional storage ponds and water treatment plants.		
113	Unless otherwise indicated, words in these conditions have the same meaning as in (in the following order of priority): (a) the EPBC Act; and (b) the EP Act		
114	Unless the contrary is indicated, in these conditions: (a) words in the singular number include the plural and words in the plural number include the singular; and (b) condition headings are inserted for convenient reference only and have no effect in limiting or extending the language of the condition to which they refer.		

TABLE 1

Condition 106 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 97 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
Ruby Project Area		
An 8-10 metre wide access track located at David Block was cleared within the Primary Protection Zone of a Category C Environmentally Sensitive Area. The allowable width is 6 metres.	23/07/2012	The vegetation removed consisted predominantly of sparse regrowth acacias and eucalypts, with a buffel grass understory. The land is mainly used for cattle grazing. No remnant vegetation was impacted and no EVNT species were impacted. A fauna spotter was present for the duration of the clearing. QGC has taken the following steps to minimise the risk of future non-compliance: • reviewed internal communication protocols • provided additional training for field staff on environmental constraints • reinforced the need for the boundaries of clearing extents to be surveyed and clearly marked. On 13 September 2012, SEWPaC advised that it will not be taking any compliance and enforcement action in response to this incident.
Approximately 15 to 20 plants known as *Philotheca Sporadica* and listed as vulnerable under the *Nature Conservation Act (Qld) 1992* had been cleared in the area located at David Block without an appropriate clearing permit.	18/09/2012	Upon becoming aware of the incident QGC's contractor, National Vegetation, immediately ceased works. QGC is currently reviewing communication protocols between QGC and contractors to ensure appropriate permits are in place prior to commencing works. The clearing permit WICL11772912 was issued on 30 November 2012 and authorises the clearing of *Philotheca Sporadica* in the area where the incident happened.

NOTIFICATION	DATE	Identified Remedial Actions
Bellevue Project Area		
Up to a maximum of 32,640 litres of water from the Glen Eden Pond was discharged from a small hose on the pump and spilled into the gravelled, fenced area surrounding the pump.	03/05/2012	The pump valve was turned off as soon as the spill was identified which successfully stopped the flow of water from the pump. The auto-prime function has now been removed. If the valve is left open in the future, water will no longer flow from the outlet.
Kenya Project Area		
Approximately 8,000 litres of drilling fluid was released into the bed and water of Wambo Creek during horizontal directional drilling. The creek was not flowing at the time and the spill and the drilling fluid was contained within the bunded area of the creek.	22/04/2012	A silt curtain and sand bag bunding were immediately installed to contain the released products. These were also used to assist in the cleanup of the drilling fluid, cuttings and any other disturbed materials. On the day of the release, approximately 7,000 litres of material was removed and disposed of in accordance with the legislation. Over the subsequent days a further 16,000 litres of drilling material and water was removed. Analysis of samples taken following the incident and subsequent site inspections found no evidence of environmental harm.
Approximately 80 cubic metres of fill was placed across a waterway at Junbar Creek to facilitate the safe crossing of a truck which had become stuck. The fill used consistent of local gravel road base which has since been removed from the creek.	05/09/2012	The fill was removed form the waterway crossing on Monday 17 September 2012. QGC is reviewing crossing techniques to allow safe crossing for all vehicles types. On 02 October 2012, SEWPaC advised that it will not be taking any compliance and enforcement action in response to this incident.
A diesel spill from a generator hose occurred at Kenya Camp 1. Approximately 200-300 litres of diesel were lost outside the bunded area onto gravel, concrete and soil.	12/10/2012	The generator was immediately shut down and the hose has now been replaced. Absorbent material was used to clean up the diesel for removal by a regulated waste transporter.
Discharge of treated CSG water at the Wieambilla Creek outlet pipe.	19/10/2012	Following the incident, the butterfly valves were adjusted to ensure that they were completely closed. QGC is currently sourcing a blind flange to install at the end of the pipe to prevent any future unplanned discharges. Sampling results taken at the time of the release indicate that the released water was of higher quality than the water in Wieambilla Creek and that no environmental harm was caused.

NOTIFICATION	DATE	Identified Remedial Actions
Wolleebee Creek Project Area		
Between 4,000 and 8,000 litres of drilling fluid was released to land from a sump on the Kathleen 125 well lease pad.	11/08/2012	Upon detection of the spill, the following immediate actions were implemented to prevent further spills: • removal of all mud by vacuum truck from the sump to create adequate freeboard. • Reinstatement of the earthen containment bund. • Collection of spilt drilling fluids for appropriate removal. On 13 September 2012, SEWPaC advised that it will not be taking any compliance and enforcement action in response to this incident.
On 1 September 2012, a crew member on Rig 6, Kathleen 23 noticed diesel spilling from the transfer pump located in the back of the fuel truck. The transfer pump was immediately shut off which stopped the spill.	01/09/2012	Upon detection of the spill, the following immediate actions were undertaken: • the spill was completely contained to the lease site and was cleaned up using absorption pads and saw dust; • a forklift with a bucket was used to removed soil from site for disposal by a regulated waste transporter. In addition , the following actions have been undertaken to prevent a recurrence of the incident: • additional training on the refuelling procedure has been provided; and • new signage on the fuel transfer tank has been installed to remind users to turn off the pump once refuelling has been completed.
A scraper truck had rolled over onto its side at the Wooleebee Creek Water Treatment Plant, releasing approximately 500 litres of oil and diesel fuel. The roll over was caused by the truck travelling along an uneven stockpile of earthen material at low speed.	06/10/2012	The spill was contained within a temporary low bund to prevent it from spreading. Absorbent pads and kitty litter were applied to absorb pooled hydrocarbons. The contaminated subsoil and sorbent material were removed from the spill location on the day of the incident for disposal by a regulated waste contractor.
Multiple Gasfield Locations		

NOTIFICATION	DATE	Identified Remedial Actions
Condition 5(g)(vii) of this approval requires pre-clearance surveys to be published on the internet 20 business days prior to the relevant clearing activities. Not all relevant pre-clearance surveys were published on the QGC website during the Reporting Period.	the Reporting Period	QGC is currently completing a review of which pre-clearance surveys for the gasfields have not been published. This review is being undertaken as a matter of priority and will be completed by no later than 21 December 2012. Relevant pre-clearance surveys will be published on the website as soon as they are identified through the review.