

# Compliance Tracking Report - January 2013 to June 2013

Googong Township Integrated Water Cycle Project  
September 2013

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# 1 Introduction

## 1.1 Background

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Googong Township Proprietary Limited (GTPL), a partnership between Canberra Investment Corporation (CIC) and Mirvac, is responsible for the development of the new Googong township that will be located in the Canberra region, around 7 km south of Queanbeyan in NSW. The new Googong Township will be home to about 16,000 people and developed over the next 25 years. The township is designed around an Integrated Water Cycle (IWC), with a dedicated Water Recycling Plant (WRP) that will reduce the consumption of potable water in the community by around 60 per cent and recycle the township's water for non-potable use.

The *Googong Township Water Cycle Project Environmental Assessment* (November 2010) (EA) was prepared under (the now repealed) Part 3A of the NSW *Environmental Planning and Assessment Act 1979* (EP&A Act) to assess the impacts of construction and operation of infrastructure for the potable water, recycled water and sewage system required to service the township.

Concept Approval for the ultimate development (Stage 1 and Stage 2) and a Project Approval for Stage 1 of the Googong Township IWC Project (IWC Project) were granted by the NSW Planning Assessment Commission, under delegation from the Minister for Planning and Infrastructure on 24 November 2011.

The IWC Project is being constructed and operated in stages to ensure the infrastructure is correctly sized to meet the incremental level of demand.

Stage 1 of the IWC Project comprises new infrastructure to deliver potable drinking water to the township, treat wastewater and utilise recycled water for re-use in the township and for environmental discharge. Stage 1 includes a new WRP, temporary reservoirs for recycled and potable water, pumping stations and mains pipework (including rising and distribution mains) for sewage, recycled water and potable water.

## 1.2 Purpose

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The Compliance Tracking Program for the IWC Project, approved by the Department of Planning and Infrastructure (DP&I) in October 2012, stipulates that a Compliance Tracking Report must be prepared every six months during the construction period of the IWC Project.

Pre-construction compliance reports were prepared for Stage A – Network (west) in November 2012 and Stage A – Network (east) in December 2012. Construction commenced on Stage A – Network (west) in January 2013 and works on Stage A – Network (east) commenced in May 2013. As such, this document reports on compliance for the six-month period, extending from January 2013 to June 2013.

This Compliance Tracking Report reports on the progress of three stages of the IWC Project against the Conditions of Approval (CoA) and Statement of Commitments (SoC). More information about each of the stages is provided in Section 2 but includes:

- Stage A – Network (west) (construction phase).
- Stage A – Network (east) (construction phase).
- Stage A – Network (pre-operation).

This Compliance Tracking Report has been structured so that each chapter addresses one of the issues, as per Section 2.2 of the Compliance Tracking Program.

- Scope of activities – Section 2.
- Performance of environmental controls – Section 3.
- Compliance with conditions and summary of non-compliances – Section 4.
- Environmental incidents – Section 5.
- Outcomes of monitoring – Section 6.
- Outcomes of inspections and audits – Section 7.
- Complaints – Section 8.

# 2 Scope of works

## 2.1 Stage A – Network (west)

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Stage A – Network (west) comprises Sewage Pumping Station ('SPS'), interim reservoirs and connecting pipe mains and is currently being constructed by GTPL and their contractor Woden Contractors. A Construction Environmental Management Plan (CEMP) was prepared by GTPL and approved by Department of Planning and Infrastructure (DP&I) on 18 October 2012. Construction commenced on Stage A – Network (west) in January 2013.

During the compliance-reporting period (January to June 2013), Woden Contractors has undertaken the following construction activities as part of the Stage A – Network (west):

- Construction of SPS1 and emergency storage tanks (85% complete).
- Construction of the gravity/rising/sewer mains along Googong Dam Road (85% complete).
- Construction of the interim reservoirs (60% complete).

## 2.2 Stage A – Network (east)

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Stage A – Network (east) comprises the Bulk Water Pumping Station (BWPS) and associated water pipes and is currently being constructed by Guideline ACT, under the supervision of ACTEW on behalf of GTPL. A CEMP was prepared by GTPL and approved by DP&I on 5 December 2012. Construction commenced on Stage A – Network (east) in May 2013.

During the compliance-reporting period (January to June 2013), Guideline ACT has begun construction of Stage A – Network (East) and the following construction activities have commenced:

- Earthworks (including cut to fill operations and blasting) at the BWPS.
- Earthworks for pipelines that includes, cut to fill pipe bench and installation of water and stormwater mains.

## 2.3 Stage A Network – Pre-operation

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Stage A – Network is due to commence interim operations in September 2013, pending approval of an Operation Environmental Management Plan (OEMP) for interim operations by the DP&I. Stage A – Network involves the operation of the network before the WRP is commissioned, and includes the delivery of water to the interim reservoirs (either by water carter or pumped from the BWPS), chlorine dosing of water at the interim reservoirs before it is pumped through the towns reticulation. Sewage will then be collected at SPS1 before it is trucked off site.

As part of the pre-operation phase the following documents have been prepared:

- **Stage A – Network Operation Environment Management Plan:** This OEMP has been prepared for Stage A – Network only, and encompasses the operation of the network before the operation of the WRP and describes arrangement for the removal of sewage from SPS1 to offsite locations. It

prescribes a number of mitigation measures and monitoring requirements to minimise environment and community risks. Following consultation with agencies, ACTEW and Queanbeyan City Council the OEMP has been submitted to DP&I for approval.

- **Water Management Plan – Stage 1:** This WMP sets up a framework for monitoring and considering water impacts. The key element of the WMP for pre-operation is to undertake baseline monitoring prior to the operation of the WRP. Baseline monitoring is scheduled to commence in September 2013.

## 2.4 Consistency assessments

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During the reporting period a total of four consistency assessments for minor project changes were considered against the Project Approval, they were:

- New location for construction compound for Stage A – Network (west).
- New location for construction compound for Stage A – Network (east).
- New overflow location at SPS1.
- New truck parking bay adjacent to SPS1 to allow for tankering of sewage off site.

None of the proposed changes were found to be inconsistent with the approved IWC Project, and an application for a modification to the Project Approval was not required.

## 2.5 Modification

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A modification to the Googong Township IWC Project Approval for Stage 1 was submitted and approved by DP&I on 22 April 2013. The modification saw the replacement of CoA A1 and CoA C4 and allowed for the salvage and relocation of Aboriginal artefacts from the GWTP2 site, at the WRP site. The salvage of four artefacts from the GWTP2 site was undertaken by heritage consultants Navin Officer and with representatives from Aboriginal stakeholder groups on 7 May 2013. A copy of the salvage report has been included in the compliance tracking package.

# 3 Environmental controls

## 3.1 Introduction

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Environmental controls are implemented in a manner that avoids or minimises the impact to the environment and the community. These controls can be short term (during construction) or long term (during operation). The following section outlines environmental controls that have been installed and implemented as part construction of the IWC Project during the reporting period.

## 3.2 Stage A – Network (west)

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As per the mitigation measures prescribed in the environmental management plans appended to the CEMP, the following environmental controls at Stage A – Network (west) have been implemented:

- Installation of ten nest boxes in January 2013, prior to the commencement of construction.
- Installation and maintenance of erosion and sediment controls as outlined in the Erosion and Sediment Control Plan.
- Preparation and implementation of a Blast Management Plan including monitoring of noise and vibrations (further discussed in Section 6.2).

## 3.3 Stage A – Network (east)

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As per the mitigation measures prescribed in the environmental management plans appended to the CEMP, the following environmental controls at Stage A – Network (east) have been implemented:

- Installation of 36 of the required 46 nest boxes in May 2013, prior to the commencement of construction (the Nest Box Strategy required that only half the nest boxes be installed prior to construction).
- Installation and maintenance of erosion and sediment controls as outlined in the Erosion and Sediment Control Plan.
- Preparation of a Blast Management Plan.

## 3.4 Stage A Network – Pre-operation

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Environmental controls are not required for the pre-operation phase of the IWC Project.

# 4 Compliance with conditions

## 4.1 Compliance tracking

Appendix A includes a Compliance Tracking Register that assesses compliance for each of the three stages of works for the period from January 2013 to June 2013, against the CoA and SoC for the IWC Project. The Register was completed by undertaking a review of audits, incident and monthly reports, complaints database, project website and discussions with GTPL personnel and their contractors.

## 4.2 Summary of non-compliances

There was a non-compliance against one CoA during the period January 2013 to June 2013, which is explained in more detail in Table 1. The non-compliance related to the timing of newspaper advertisements. This issue has been addressed in the recommendation section in Section 9.1.

**Table 1** Non-compliances during January to June 2013

No	Condition	Comment
Project Approval A15	The telephone number, postal address and email address shall be advertised in a newspaper circulating in the area of the project, on at least one occasion prior to the commencement of construction; and at six-monthly intervals during construction and for a period of two years following commencement of operation of the project. These details shall also be provided on the Proponent's internet site required by condition 3.2 of the associated Concept Plan Approval. The telephone number, the postal address and the email address shall be displayed on a sign near the entrance to the construction site(s), in a position that is clearly visible to the public.	<p>The first advertisement appeared on 26 October 2012 and was re-run on 2 November 2012 in the Queanbeyan Age, prior to the commencement of construction of Stage A – Network (west).</p> <p>An advertisement providing a construction update was included in the Queanbeyan Age on 16 August 2013, which fell outside the required six-month update period. The next advertisement will be arranged for February 2014.</p> <p>Signage has been included on fencing at the construction sites and contact information uploaded to the website.</p>

# 5 Environmental incidents

## 5.1 Stage A – Network (west)

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### 5.1.1 Category one incidents

No Category one incidents were recorded during the compliance reporting period for Stage A – Network (west).

### 5.1.2 Category two incidents

During the compliance reporting period for Stage A – Network (west), one Category two incident was recorded and is discussed below.

#### *Ruptured oil hose – loader*

On 11 March 2013, a hydraulic hose ruptured during the operation of a Loader – Case L15. As such, a small amount (approximately 500 mL) of oil was released to the ground/soil. The contaminated material was collected and disposed of with the waste collection from the construction site. An incident report was completed and no additional clean up actions were identified as being needed in the Environmental Representative's inspection report (NGH Environmental inspection report, 15 March 2013).

## 5.2 Stage A – Network (east)

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### 5.2.1 Category one incidents

No Category one incidents were recorded during the compliance reporting period for Stage A – Network (east).

### 5.2.2 Category two incidents

During the compliance reporting period for Stage A – Network (east), one Category two incident was recorded and is discussed below.

#### *Rock hammer oil leak*

During rock hammering at the BWPS site on 4 June 2013, the hammer's top bolt loosened causing an oil leak of approximately 20 L. A spill kit was located nearby and so the spill was contained and managed. Further to this, licenced waste management contractors were contacted to remove the contaminated materials to a licenced waste facility. An incident report was completed and no additional clean up actions were identified as being needed in the Environmental Representative's inspection report (NGH Environmental inspection report, 7 June 2013).

## 5.3 Stage A Network – Pre-operation

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There were no environmental incidents recorded for the pre-operation phase of Stage A – Network during the compliance-reporting period.

# 6 Monitoring

## 6.1 Introduction

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Environmental monitoring is undertaken to measure the effectiveness of environmental controls and the implementation of management plans, and to address approval requirements. Environmental monitoring undertaken at Stage A – Network (west) and Stage A – Network (east) are outlined in this section.

## 6.2 Stage A – Network (west)

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### 6.2.1 Blast monitoring

A Blast Management Plan was prepared for two separate blasting activities for Stage A – Network (west), namely for the Googong Dam Road trenches, and at SPS1. Blast Management Plans are required under the *Dangerous Goods Substance (Explosives) Regulations 2004* and are used to meet the blast criteria, prescribed by CoA C12. The Blast Management Plan also provides Safe Working Method Statement, general Emergency Plan and environmental criteria for blasting activities.

Noise and vibration monitoring was undertaken for blasting activities. As outlined in the independent external audit undertaken on 4 June 2013 by NGH Environmental, the blast monitoring was not conducted at the closest residence but when the results were extrapolated it was considered that the blasting criteria was met.

As outlined in Section 3.2, the independent external audit conducted at Stage A – Network (west) indicated an opportunity to improve the monitoring during blasting activities and for the monitoring to be undertaken at the closest residence in future blasting activities.

## 6.3 Stage A – Network (east)

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### 6.3.1 Blast monitoring

Noise and vibration monitoring was undertaken as part of blasting activities on 7 June 2013 for the BWPS at Stage A – Network (east). Monitoring was undertaken at the nearest residence from the blasting site. Guideline ACT recorded no exceedances of blasting criteria in their June monthly report.

### 6.3.2 Water quality monitoring

In addition to noise and vibration monitoring, water monitoring (turbidity) was undertaken in June 2013, after water was discharged from the site during a large rainfall event. The discharge occurred at a large gully site located next to chainage 660 and Guideline ACT recorded no high levels of turbidity in the monitoring conducted in their June monthly report.

## **6.4 Stage A Network – Pre-operation**

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Monitoring (such as groundwater monitoring required by the Water Management Plan) for the pre-operation phase of Stage A – Network had not yet commenced during the reporting period.

# 7 Inspections and audits

## 7.1 Stage A – Network (west)

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### 7.1.1 Inspections

#### *Weekly inspections*

The OH&S Representative from Woden Contractors undertakes weekly site inspections that cover the broader Stage A – Network (west) activities but also includes environmental aspects.

#### *Environmental Representative inspections*

The Environmental Representative, from NGH Environmental, conducted fortnightly inspections of Stage A – Network (west) throughout the reporting period. The Environmental Representative prepared reports, which outlined observations and recommendations for Woden Contractors to undertake. During the reporting period, the Environmental Representative made a number of recommendations.

- Installation and maintenance of erosion and sediment controls, including liaison with neighbouring construction contractors to ensure erosion and sediment controls were installed and maintained in a proper manner.
- Erosion and sediment controls should be installed in all areas that have the possibility of erosion and/or sedimentary impacts, including but not limited to stockpiles and roadways.
- Creation and maintenance of registers and weekly reports in particular:
  - Trench Dewatering Register; and
  - Weekly Erosion Control Reports.
- Updating and/or revising management plans including but not limited to the following:
  - Erosion and Sediment Control Plan;
  - Hazard, Risk and Safety Management Plan; and
  - Flora and Fauna Management Plan.

In summary, for the six months extending from January 2013 to June 2013 there were no significant outcomes to report on as a result of environmental inspections. A review of the documentation has indicated that most observations and actions were of a minor nature and were appropriately addressed.

### 7.1.2 Audits

Independent environmental audits, as outlined in the Compliance Tracking Program, should be undertaken within three months after the commencement of construction and six months thereafter.

NGH Environmental conducted an independent environmental audit for Stage A – Network (west) on 4 June 2013. At the time of the audit, the following works were being undertaken:

- Trenching excavation for piping.
- Installation of sewer storage tank system.

As part of the independent environmental audit, a number of corrective actions and improvements were identified. A review of documentation and follow up discussions with Woden Contractors indicated that most observations and actions were of a minor nature and have been appropriately addressed (refer Table 2).

The independent audit also outlined an opportunity for improvement for blasting operations at Stage A – Network (west). Given that evidence of compliance with blast criteria is through extrapolation of results only, a suggestion was made that future blasting include monitoring at the actual nearest residence

**Table 2** Findings and follow up actions from independent audit – Stage A Network (west)

No.	Details	Follow up action
<b>Corrective Actions Request</b>		
CAR 1	The Environment Protection Licence (EPL) 201388 is not detailed or addressed in the Project CEMP.	<p>EPL 20188 (note. not 201388 as was identified in the audit) allows for construction activities for the Googong Township IWC Project.</p> <p>In response to the findings of the audit Woden Contractors will:</p> <ul style="list-style-type: none"> <li>• Update the CEMP to include references to the EPL and include a copy as an appendix.</li> </ul> <p>The updated CEMP will be reviewed by the Environmental Representative.</p> <p>In addition, the <i>Protection of the Environment Legislation Amendment Act 2011</i> (POELA Act) was recently enacted and requires all EPL holders to prepare and implement a pollution incident response management plan (PIRMP).</p> <p>GTPL has prepared a PIRMP for the construction of Stage A – Network (West), which has now been included as an appendix to the CEMP. The PIRMP was tested by Woden Contractors in August 2013.</p>
CAR 2	A review of the consistency with the Project Approval could not be demonstrated for the establishment of the additional access track.	<p>As part of the review of the audit findings it was noted that the additional access track identified during the audit was actually part of the Part 4 subdivision works and is not being used by Woden Contractors for construction of the IWC Project.</p> <p>As such a consistency assessment of the access track against the Part 3A Project Approval has not been conducted and it is not considered necessary.</p>
<b>Observations Of Concern</b>		
OOC 1	There is some absence of environmental controls in the SWMS.	Woden Contractors has developed an environmental SWMS to be implemented on site.
OOC 2	There is a visible disconnect between the CEMP and associated documentation and the documentation used on site.	<p>Woden Contractors has had in place separate registers to comply with safety regulations. They have implemented the following changes in response to this observation:</p> <ul style="list-style-type: none"> <li>• The dewatering procedure contained in the CEMP is now being used.</li> <li>• An environmental SWMS has now been developed.</li> <li>• The environmental risk register will be used in addition to the existing risk register (which is also required for safety matters to comply with work health and safety standards).</li> <li>• The legal register will be used in addition to the existing legal risk register (which is also required to remain in operation to track safety specific work health and safety regulations and safety standards).</li> </ul>

No.	Details	Follow up action
OOO 3	Project signage is reasonably complex due to the complex nature of the contracts and the works. There is a risk of failure in the management of a complaint due to the multiple complaint pathways.	GTPL are engaging in a process to improve construction signage and to include the project hotline number and contact details on the signage for Stage A – Network (west).
OOO 4	Lack of a quality review process for the ESCP poses a risk to potential failure of controls or implementation of inappropriate controls.	All Erosion and Sediment Control Plans (ESCPs) have previously been uploaded to the project's file share site. Woden Contractors has requested the Environmental Representative to note the revision of the ESCP in his fortnightly reports and an evaluation of their adequacy.
OOO 5	A duplicate dewatering procedure has been developed that does not address all those processed detailed in the approved procedure.	The duplicate dewatering procedure has been removed, and the approved dewatering procedure in the CEMP has been included and will be implemented on site.
OOO 6	The diesel generator container and associated diesel fuel cell are not bunded and there are no dangerous goods labelling or signage on the container to indicate the contents as required by AS1940.	Labelling as per AS 1940 has now been installed on site, with spill kits and fire extinguishers available. A small earth bund has been installed around the low side of the generator container to minimise the risk of spills spreading.

## 7.2 Stage A – Network (east)

### 7.2.1 Inspections

#### *Weekly inspections*

The Guideline ACT Environmental Officer has conducted weekly inspections of Stage A – Network (east). A check sheet has been used and actions identified and then followed up. The weekly inspections have identified areas for improvement for the construction of Stage A – Network (east).

#### *Environmental Representative inspections*

The Environmental Representative from NGH Environmental has conducted fortnightly inspections of Stage A – Network (east) throughout the compliance-reporting period. The Environmental Representative prepares reports, which outlines observations and recommendations for Guideline ACT to undertake. During the reporting period, the Environmental Representative made a number of recommendations, which included:

- Location of appropriate spill kits at the BWPS.
- Improved installation and maintenance of erosion and sediment controls.
- Oils and chemicals stored on site in a bunded area.

Construction works for Stage A – Network (east) commence in May 2013 and since this time there were no significant outcomes to report on resulting from environmental inspections. A review of the documentation has indicated that most observations and actions have been of a minor nature and have been appropriately addressed.

### **7.2.2 Audits**

Stage A – Network (east) construction commenced in May 2013 and as such, no independent audits have been undertaken during the compliance-reporting period of January 2013 to June 2013. An independent environmental audit is scheduled for November 2013.

## **7.3 Stage A Network – Pre-operation**

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Inspections/audits have not yet been required for the pre-operation phase for Stage A – Network.

# 8 Environmental complaints

## 8.1 Stage A – Network (west)

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There were no environment complaints lodged for Stage A – Network (west) during the compliance-reporting period.

## 8.2 Stage A – Network (east)

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### 8.2.1 Removal of green waste

As part of the approved CEMP, Guideline ACT are to clear and grub all trees located in the clearing zone (as per the constraints maps contained in the CEMP) through a mulching machine and must follow the Pre-construction Clearing Survey Procedure prior to clearing.

On 19 June 2013, a complaint was made by the ranger for the Googong Foreshores area (ACT Parks and Conservation Service) regarding the removal of tree stumps from a clearing zone for assumed personal use. The ranger was concerned, as these trees should have been cut down and placed back into the land for habitat logs and animal refuge or used for mulch.

Guideline ACT, in their complaint report maintained that the stumps removed could not be mulched and were being transported to the construction compound to be cut up and removed from site and were not removed for personal use.

As a result of the complaint, ACTEW and the Environmental Representative were notified. Guideline ACT maintained that they followed all requirements of the CEMP and contractual obligations regarding clearing and grubbing. No further actions were identified.

## 8.3 Stage A – Network Pre-operation

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There were no environmental complaints lodged relating to the pre-operation stage.

# 9 Conclusion

## 9.1 Summary and recommendations

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This Compliance Tracking Report has been prepared for the compliance-period between, January 2013 to June 2013 for the construction Stage A – Network (west) and Stage A – Network (west) and the pre-operation of Stage A – Network.

As part of this review, one non-compliance against Concept CoA A15 was identified and is explained in more detail in Table 1. The non-compliance related to timing of newspaper advertisements.

As the IWC Project is still in the early stages, formal processes for the review of information to be made publically available still need to be matured. As a result of this compliance review, it was recommended that a review program for the website and newspaper publications is developed to help GTPL better track and understand these requirements. This is the process of being prepared.

It is noted that the fortnightly inspections undertaken by the Environmental Representative has been an effective way of identifying environmental risks and/or the need to improve controls. Both contractors action the recommendations after each inspection and they are checked by the Environmental Representative as part of the next inspection.

Other minor incidents relating to management of waste and oil spills were handled appropriately and according to the relevant procedures. No changes to other existing procedures or plans are recommended as a result of this compliance review.

Appendix A **Compliance Tracking Register**

**Table 3** Compliance tracking against the Concept Approval during the reporting period

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion date	Comment	Verification
1.1	The Proponent shall carry out all related projects generally in accordance with the: (a) Major Project Application 08_0236; (b) EA; (c) Submissions Report; and (d) the terms of this approval.	GTPL	Open	Compliant		Works undertaken during the reporting period have been carried out in accordance with this condition.	
1.2	In the event of an inconsistency between: (a) this Concept Plan approval and any document listed in 1.1(a) to 1.1(c) inclusive, this Concept Plan approval shall prevail to the extent of the inconsistency; and (b) any documents listed in 1.1(a) to 1.1(c) inclusive, the most recent document shall prevail to the extent of the inconsistency.	N/A	N/A	N/A	N/A	Noted.	
1.3	If there is any inconsistency between this Concept Plan approval and any related project approvals, this Concept Plan approval shall prevail to the extent of the inconsistency.	N/A	N/A	N/A	N/A	Noted.	
1.4	The Proponent shall comply with any reasonable requirements(s) of the Director-General arising from the Department's assessment of: (a) any reports, plans or correspondence that are submitted in accordance with this Concept Plan approval or any related project approvals; and (b) the implementation of any actions or measures contained in these reports, plans or correspondence.	GTPL and contractor	Open	Compliant		Works undertaken during the reporting period have been carried out in accordance with this condition.	

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion date	Comment	Verification
1.5	To avoid any doubt, this Concept Plan approval does not permit the construction or operation of any projects associated with the Googong Township Water Cycle Project. Construction or operation cannot commence on any development associated with this Concept Plan unless a separate planning approval has been granted in relation to that project.	N/A	N/A	N/A	N/A	Noted.	
1.6	The Proponent may, with the Director-General's agreement, elect to meet the conditions of approval of multiple projects associated with this Concept Plan in a single consolidated manner (including through a consolidated plan or other document). In this case, the Proponent shall clearly demonstrate how the requirements of each project approval as well as the requirements of this Concept Plan approval have been addressed in the consolidated plan or document.	N/A	N/A	N/A	N/A	Noted.	
2.1	<p>Pursuant to section 75P(2)(c) of the EP&amp;A Act, the following environmental assessment requirements apply with respect to any future development that is subject to Part 4 or Part 5 of the EP&amp;A Act (which are not exempt or complying development), for the subsequent project stages:</p> <p>(a) a detailed project description, including the design and location of ancillary infrastructure (including access roads and temporary construction compounds) and its relationship to the approved concept and approved project stages;</p> <p>(b) an assessment of relevant statutory matters including land zoning, permissibility and consistency with the objects of the EP&amp;A Act;</p>	N/A	N/A	N/A	N/A	<p>Condition not applicable to construction of Stage A – Network (west/east) and pre-operation phase of Stage A Network.</p> <p>This condition will be met during the development phase of future projects beyond Stage 1.</p>	

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion date	Comment	Verification
	<p>(c) a demonstration that the project is consistent with the requirements of this Concept Plan approval and generally consistent with the scope and intent of the Concept Plan and environmental impacts outlined in the documents under condition 1.1 of this approval;</p> <p>(d) a risk assessment of the potential environmental impacts of the project, identifying the key issues for further assessment;</p> <p>(e) a description of the measures that would be implemented to avoid, minimise and, if necessary, offset the potential impacts of the project, and ensure that the project is in the public interest;</p> <p>(f) an assessment of the consistency of the potential impacts and proposed mitigation measures with the management plans approved under the Stage 1 Project and subsequent stages;</p> <p>(g) a detailed project-specific statement of commitments;</p> <p>(h) assessment of the following key issues considering all components of the project (including temporary construction facilities) and cumulative impacts from other projects associated with the Concept Plan:</p> <ul style="list-style-type: none"> <li>– <b>Surface Water</b> – including potential water quality impacts on local creeks and rivers and impacts on surface water flows, as a result of construction and operation of the project;</li> </ul>						

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion date	Comment	Verification
	<ul style="list-style-type: none"> <li data-bbox="360 432 808 512">– <b>Soils and Landscape</b> – including potential soil contamination, erosion risks, irrigation and rehabilitation;</li> <li data-bbox="360 520 808 655">– <b>Groundwater</b> – including potential impacts on local recharge levels, contamination risks, groundwater mounding, isolated waterlogging of soils and impacts on groundwater quality;</li> <li data-bbox="360 663 808 783">– <b>Flora and Fauna</b> – including terrestrial riparian and aquatic, with accurate estimates of vegetation disturbance associated with the project;</li> <li data-bbox="360 791 808 943">– <b>Heritage</b> – both Aboriginal and non-Aboriginal, including an assessment of Aboriginal sites affected by the proposed development, their cultural value and the significance of these values for Aboriginal people;</li> <li data-bbox="360 951 808 1070">– <b>Human Health</b> – including impacts arising from the application of recycled water and discharges of wastewater and recycled water;</li> <li data-bbox="360 1078 808 1190">– <b>Waste Management</b> – including the likely waste quantities and qualities generated during the construction (including spoil generation) and operation of the project;</li> <li data-bbox="360 1198 808 1302">– <b>Hazards and Risk</b> – including details of hazardous materials used or kept on the premises during the construction and operation phases of the project;</li> </ul>						

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion date	Comment	Verification
	<ul style="list-style-type: none"> <li>– <b>Air Quality</b> – including dust and odour impacts;</li> <li>– <b>Noise and Vibration</b> – including construction and operation noise impacts in the context of planned urban development in the area;</li> <li>– <b>Visual Amenity</b> – an assessment of the impact of the project on visual amenity, including future sensitive receptor areas, including residential;</li> <li>– <b>Traffic and Access</b> – including details of transport routes to and from construction and operational sites and associated impacts to existing activities, including safety impact;</li> <li>(i) evidence of an appropriate level of consultation with (but not necessarily limited to) the following parties, including identification of the issues raised and how these have been addressed in the assessment:</li> <li>– Commonwealth Department of Sustainability, Environment, Water, Population and Communities;</li> <li>– Office of Environment and Heritage (including its Heritage Branch);</li> <li>– Department of Primary Industries (including the NSW Office of Water);</li> <li>– Department of Trade &amp; Investment, Regional Infrastructure &amp; Services (including its Primary Industries Division);</li> <li>– Roads and Traffic Authority;</li> </ul>						

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion date	Comment	Verification
	<ul style="list-style-type: none"> <li>– Queanbeyan City Council;</li> <li>– Palerang Council;</li> <li>– relevant service providers;</li> <li>– property owners and the local community; and</li> </ul>						
	(j) the environmental assessment of the project must take into account relevant State Government guidelines, policies and plans;						
	(k) the assessments of the subsequent project stages shall take into account, but not limited to the following guidelines, as relevant:						
	<ul style="list-style-type: none"> <li>– <i>National Water Quality Management Strategy: Australian and New Zealand Guidelines for Fresh and Marine Water Quality</i> (ANZECC 2000);</li> </ul>						
	<ul style="list-style-type: none"> <li>– <i>National Water Quality Management Strategy – Australian Guidelines for Water Recycling: Managing Health and Environmental Risks</i> (Natural Resource Management Ministerial Council, Environment Protection and Heritage Council and Australian Health Ministers' Conference, 2006);</li> </ul>						
	<ul style="list-style-type: none"> <li>– <i>Environmental Guidelines: Use of Effluent by Irrigation</i> (DEC, 2004);</li> </ul>						
	<ul style="list-style-type: none"> <li>– <i>NSW Industrial Noise Policy</i> (EPA, 2000);</li> </ul>						
	<ul style="list-style-type: none"> <li>– <i>Interim Construction Noise Guidelines</i> (DECC, 2009);</li> </ul>						

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion date	Comment	Verification
	<ul style="list-style-type: none"> <li>- <i>Environmental Noise Management – Assessing Vibration: a Technical Guideline</i> (DECC, 2006);</li> <li>- <i>Environment Criteria for Road Traffic Noise</i> (EPA, 1999);</li> <li>- <i>Approved Methods for the Modelling and Assessment of Air Pollutants in NSW</i> (DEC, 2005);</li> <li>- <i>Assessment and Management of Odour from Stationary Sources in NSW</i> (DEC, 2006);</li> <li>- <i>Technical Notes: Assessment and Management of Odour from Stationary Sources in NSW</i> (DEC, 2006).</li> </ul>						
3.1	Subject to confidentiality, the Proponent shall make all documents required under this approval available for public inspection on request.	GTPL	Open	Compliant		No requests were made to GTPL during the reporting period.	
3.2	Prior to the commencement of construction of any projects associated with this Concept Plan approval, the Proponent shall establish a dedicated website or maintain dedicated pages within its existing website for the provision of electronic information associated with the project. The Proponent shall publish and maintain up-to-date information on this website or dedicated pages including, but not necessarily limited to:	GTPL	Open	Compliant	26-Oct-12	GTPL has established a website for Googong Township Integrated Water Cycle Project. The website provides access to electronic information associated with the works.	<a href="http://compliance.googong.net/">http://compliance.googong.net/</a>
	(a) the status of the project;	GTPL	Open	Compliant		GTPL has established a website which provides details on the status of the Stage 1 project.	As above.

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion date	Comment	Verification
	(b) a copy of this approval and any future project approvals and modifications to these approvals;	GTPL	Open	Compliant		GTPL has established a website that provides copies of the Concept and Project Approval issued under the EP&A Act for MP 08_0236, and the Project Approval modification that was issued for CoA A1 and C4 on 22 April 2013.	<a href="http://compliance.googong.net/iwc/project-approvals.php">http://compliance.googong.net/iwc/project-approvals.php</a>
	(c) a copy of each relevant environmental approval, licence or permit required and obtained in relation to the project;	GTPL	Open	Compliant		The website provides copies of the EPBC Act approval and Environment Protection Licence (EPL) for construction works.	<a href="http://compliance.googong.net/iwc/project-approvals.php">http://compliance.googong.net/iwc/project-approvals.php</a>
	(d) a copy of each approved plan, report, or monitoring program required by this approval and associated project approvals;	GTPL	Open	Compliant		The website provides copies of the Community Information Plan, Pink-tailed Worm-lizard Management Plan, Landscape Management Plan (Stage A – Network) and CEMPs for Stage A – Network (west/east).  The OEMP for Stage A – Network, Water Management Plan and Googong Foreshores Interface Management Strategy will be uploaded, once they are approved. The revised Pink-tailed Worm-lizard Protection and Management Plan will also be uploaded.	<a href="http://compliance.googong.net/iwc/environmental-management-plans.php">http://compliance.googong.net/iwc/environmental-management-plans.php</a>  <a href="http://compliance.googong.net/iwc/other-documents.php">http://compliance.googong.net/iwc/other-documents.php</a>
	(e) a summary of the monitoring results of the project, which have been reported in accordance with the various plans and programs approved under this approval and associated project approvals;	GTPL	Open	Compliant		Airblast overpressure and ground vibration monitoring has been undertaken for Stage A – Network (west/east) as part of blasting activities. Monitoring indicated compliance with the blasting criteria however a summary of the results has not yet been uploaded to the website.  Baseline monitoring for surface water, aquatic ecology and groundwater for the pre-operation phase of Stage A – Network has not yet commenced. Results will be summarised on the website.  A summary of the monitoring activities undertaken during the reporting period is listed on the project website.	<a href="http://compliance.googong.net/iwc/monitoring-auditing-and-compliance.php">http://compliance.googong.net/iwc/monitoring-auditing-and-compliance.php</a>

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	(f) details of the outcomes of compliance reviews and audits of the project, to the satisfaction of the Director-General.	GTPL	Open	Compliant		Pre-construction compliance reports were prepared in November 2012 (Stage A – Network west) and December 2012 (Stage A – Network east) and an independent audit of Stage A – Network (west) was undertaken by NGH Environmental on 4 June 2013. Summary of these audits and reviews have been uploaded to the website.	<a href="http://compliance.googong.net/iwc/monitoring-auditing-and-compliance.php">http://compliance.googong.net/iwc/monitoring-auditing-and-compliance.php</a>

**Table 4** Compliance tracking against the Project Approval during the reporting period

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
A1 (modified)	The Proponent shall carry out the project generally in accordance with the:	GTPL and contractor	Open	Compliant		Works undertaken during the reporting period have been carried out in accordance with this condition.	
	(a) Environmental Assessment (EA);						
	(b) Statement of Commitments;						
	(c) Googong Township Water Cycle Project Modification Assessment, prepared by Manidis Roberts and dated February 2013; and						
	(d) conditions of this approval.						
A2	If there is any inconsistency between the documents in condition A1, the most recent document shall prevail to the extent of the inconsistency. However, the conditions of this approval shall prevail to the extent of any inconsistency.	GTPL and contractor	Open	Compliant		Noted.	
A3	The Proponent shall comply with any reasonable requirement(s) of the Director-General arising from the Department's assessment of:	GTPL and contractor	Open	Compliant		Works undertaken during the reporting period have been carried out in accordance with this condition.	
	(a) any reports, strategies, plans, programs, reviews, audits or correspondence that are submitted in accordance with this approval;						
	(b) the implementation of any actions or measures contained in these documents.						
A4	This project approval shall lapse five years after the date on which it is granted, unless works subject of this approval have commenced before that time.	GTPL	Open	Compliant		Construction commenced in January 2013.	

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
A5	<p>Construction of the project may be undertaken in discrete work packages or stages. Where that occurs, these conditions of approval need only be complied with to the extent that they are relevant to that discrete work package or stage. Prior to the commencement of relevant construction or operation activities, the Proponent shall submit a Staging Report to the Director General which:</p> <p>(a) describes the stages; and</p> <p>(b) identifies the relevant conditions of approval for each stage and how these will be addressed across and between the stages of the project.</p>	GTPL	Complete	Compliant	28-Aug-12	<p>GTPL has prepared a Staging Report to address this condition which was provided to the Director-General on 7 June 2012. The Staging Report describes the construction stages and details how relevant conditions of approval will be met for each stage. Compliance with the conditions of approval will be monitored and documented through the six monthly compliance report. DP&amp;I advised on 28 August 2012 that the Staging Report met the relevant requirements of the CoA.</p> <p>An update to the stages (namely Stage AB Water Recycling Plant to be built at the same time instead of separate A/B stages) was provided to DP&amp;I on 30 July 2013.</p>	DP&I letter of approval
A6	With the approval of the Director-General, the Proponent may submit any strategy, plan or program required by this approval on a progressive basis.	GTPL	Open	Compliant		Noted.	
A7	<p>The Proponent shall ensure that all licences, permits and approvals are obtained and maintained as required throughout the life of the project. No condition of this approval removes the obligation of the Proponent to obtain, renew or comply with such licences, permits or approvals.</p> <p>The Proponent shall ensure that a copy of this approval and all relevant environmental approvals are available on the site at all times during the project.</p>	GTPL and contractor	Open	Compliant		<p>In addition to the EP&amp;A Act approvals, GTPL holds an approval under the EPBC Act and an Environment Protection Licence for construction (under the POEO Act) for Stage 1 of the IWC Project.</p> <p>Section 3.2 and Attachment 5 of Stage A – Network (west/east) CEMPs and Appendix B of the OEMP for Stage A – Network details licence and permit requirements.</p> <p>A copy of the relevant approvals are kept at the site offices for Stage A – Network (west) and Stage A – Network (east). Not applicable for pre-operation of Stage A – Network.</p>	

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
A8	The Proponent shall ensure that employees, contractors and sub-contractors are aware of, and comply with, the conditions of this approval relevant to their respective activities.	GTPL and contractor	Open	Compliant		Competence, training and awareness requirements are detailed in Section 5 of the CEMPs for Stage A – Network (west/east). Regular toolbox talks are undertaken to provide information on responsibilities to employees, contractors and sub-contractors.  Competence, training and awareness requirements are detailed in Section 5 of the OEMP for Stage A – Network and will be implemented in the operation phase.	
A9	The Proponent shall be responsible for environmental impacts resulting from the actions of all persons that it invites onto the site, including contractors, sub-contractors and visitors.	GTPL	Open	Compliant		Noted.	
A10	The detailed design and construction of the project shall be undertaken in consultation with Councils and include consideration of Councils' requirements in relation, but not limited, to:  (a) project staging, easements and certification,  (b) site access, parking and servicing,	GTPL and contractor	Open	Compliant		GTPL will make all documents required under this approval publicly available upon request. No specific requests were made during the reporting period. GTPL has established a website with copies of relevant documentation.	<a href="http://compliance.googong.net/">http://compliance.googong.net/</a>

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A11	<p>The detailed design and construction of the project shall be undertaken in consultation with Councils and include consideration of Councils' requirements in relation, but not limited, to:</p> <ul style="list-style-type: none"> <li>(a) project staging, easements and certification,</li> <li>(b) site access, parking and servicing,</li> <li>(c) safety, security, facilities and amenities,</li> <li>(d) site and infrastructure maintenance,</li> <li>(e) design and development specifications, including relevant Australian and Council codes, standards and specifications.</li> </ul>	GTPL and contractor	Open	Compliant	01-Nov-12	<p>GTPL consulted with QCC throughout the detailed design and in the preparation of the CEMP for Stage A – Network (west) (refer correspondence attached). Also refer CoA A12 and construction certificates that have been issued by QCC. QCC has also been notified of blasting works and attends regular meetings with GTPL.</p> <p>Palerang Council has not been involved in design of Stage A – Network (west) as this work does not fall within their local government area.</p>	<p>QCC response to A11</p>
					11-Dec-12	<p>GTPL has consulted with Palerang Council throughout the early planning phase of Stage A – Network (east). However as Palerang Council will not own or operate the Stage A – Network (east) infrastructure, they have advised GTPL that they do not request a formal review of design elements. GTPL has consulted with Palerang Council during development of the CEMP for Stage A – Network (east).</p> <p>ACTEW (as the Principal and the future owner operator) was consulted during development of the Stage A – Network (east) CEMP.</p> <p>Queanbeyan City Council has not been involved in detailed design of Stage A – Network (east) as this work does not fall within their local government area.</p>	<p>QCC comments on CEMP</p> <p>Palerang Council response to A11, ACTEW CEMP review</p>

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A12	<p>The Proponent shall ensure that all new buildings and structures, and any alterations or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the BCA.</p> <p>Notes:</p> <ul style="list-style-type: none"> <li>Under Part 4A of the EP&amp;A Act, the Proponent is required to obtain construction and occupation certificates for the proposed building works; and</li> <li>Part 8 of the EP&amp;A Regulation sets out the requirements for the certification of the project.</li> </ul>	GTPL	Open	Compliant		<p>GTPL has applied for two construction certificates from QCC for Stage A – Network (west) works. This has included for the telemetry tower and ring beam structures for the interim reservoirs.</p> <p>ACTEW and the contractor, on behalf of GTPL are applying for a construction certificate for the pumphouse at the Bulk Water Pumping Station as part of the Stage A – Network (east) works.</p>	
A13	The Proponent shall implement all reasonable and feasible measures to prevent and/or minimise any material harm to the environment that may result from the construction, operation or rehabilitation of the project.	GTPL and contractor	Open	Compliant		<p>GTPL has prepared CEMPs and management plans to manage risks to the environmental during construction for both Stage A – Network (west/east). Contractors are responsible for their implementation.</p> <p>GTPL has prepared an OEMP for Stage A – Network to manage risks to the environmental during operation.</p>	

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
A14	<p>Prior to the commencement of construction, the Proponent shall prepare and implement a Community Information Plan which sets out the community communication and consultation processes to be implemented during construction and operation of the project. The Plan shall be prepared in consultation with Queanbeyan City Council and to the satisfaction of the Director-General, and include, but not be limited to:</p> <p>(a) procedures to inform the local community of planned investigations and construction activities, including blasting works (if any);</p> <p>(b) procedures to inform the relevant community of construction traffic routes and any potential disruptions to traffic flows and amenity impacts;</p> <p>(c) procedures to consult with local landowners with regard to construction traffic to ensure the safety of livestock and to limit disruption to livestock movements;</p> <p>(d) procedures to inform the community where work outside the construction hours specified in condition C7, in particular noisy activities, has been approved;</p> <p>(e) procedures to inform and consult with affected landowners to rehabilitate impacted land;</p>	GTPL and contractor	Open	Compliant		<p>GTPL has prepared the Googong Township water cycle project – Stage 1 Community Information Plan (CIP) to address this condition.</p> <p>The CIP was provided to the Director-General on 1 August 2012. QCC was also provided with a copy of the CIP for review and comment (refer attachment). DP&amp;I advised on 21 September 2012 that the CIP met the relevant requirements of the CoA.</p> <p>The various actions prescribed in the CIP have been implemented during the reporting period.</p> <p>GTPL has also prepared a Noise and Vibration Management Plan which details the procedure for Out of Hours Work (Attachment 1), including notification to the community.</p>	<p>QCC correspondence 9 August 2012</p> <p>DP&amp;I CIP approval 21 Sept 2012</p>

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
	(f) procedures to inform the community of operational activities, including results of monitoring undertaken in accordance with conditions D7 to D9;						
	(g) procedures to inform the community of their rights, including those relevant to the management of visual and noise amenity and the process for lodgement of complaints, as identified under this Approval.						
A15	Prior to the commencement of construction, the Proponent shall ensure that the following are available for community complaints for the life of each project related to the subject concept plan approval (including construction and operation) or as otherwise agreed by the Director-General:	GTPL	Complete	Compliant	26-Oct-12	Details on how to contact GTPL during construction has been provided through targeted mail-outs to potentially affected residents, advertising in local papers, road side signage and the project website.	<a href="http://compliance.googong.net/">http://compliance.googong.net/</a>
	(a) a 24-hour telephone number on which complaints about construction and operational activities at the site may be registered;					GTPL has established a 24 hour toll-free community information line where complaints/enquiries can be made.	The toll number is: 1800 838 438
	(b) a postal address to which written complaints may be sent; and					GTPL has established a postal address to which written complaints can be sent.	Googong Integrated Water Cycle c/o CIC Australia PO Box 1000 Civic Square ACT 2608
	(c) an email address to which electronic complaints may be transmitted.					GTPL has established an email address to which electronic complaints can be sent.	<a href="mailto:iwc@googong.net">iwc@googong.net</a>

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
	The telephone number, postal address and email address shall be advertised in a newspaper circulating in the area of the project, on at least one occasion prior to the commencement of construction; and at six-monthly intervals during construction and for a period of two years following commencement of operation of the project. These details shall also be provided on the Proponent's internet site required by condition 3.2 of the associated Concept Plan Approval. The telephone number, the postal address and the email address shall be displayed on a sign near the entrance to the construction site(s), in a position that is clearly visible to the public.	GTPL	Open	Not compliant		<p>The first advertisement appeared on 26 October 2012 and was re-run on 2 November 2012 in the Queanbeyan Age, prior to the commencement of construction of Stage A – Network (west).</p> <p>An advertisement providing a construction update was included in the Queanbeyan Age on 16 August 2013, which fell outside the required six month update period. The next advertisement will be arranged for February 2014.</p> <p>Signage has been provided on fencing at the construction sites and contact information uploaded to the website.</p>	
A16	<p>The Proponent shall record details of all complaints received through the means listed in condition A15 of this approval in an up-to-date Complaints Register. The Register shall record, but not necessarily be limited to:</p> <p>(a) the date and time of the complaint;</p> <p>(b) the means by which the complaint was made (telephone, mail or email);</p> <p>(c) any personal details of the complainant that were provided, or if no details were provided, a note to that effect;</p>	GTPL	Open	Compliant		<p>GTPL has established a complaints register to record and manage complaints. The Complaints Management Procedure is included as Appendix B of the Community Engagement and Stakeholder Management Plan.</p> <p>There was one environmental complaint made during the reporting period relating to disposal of green waste at Stage A – Network (east) which was made on 19 June 2013. Refer Section 8.2.1 of the Compliance Tracking Report for more information. The complaint was recorded in the monthly report and GTPL's complaints register in accordance with this condition.</p>	

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	<p>(d) the nature of the complaint;</p> <p>(e) any action(s) taken by the Proponent in relation to the complaint, including timeframes for implementing the action; and</p> <p>(f) if no action was taken by the Proponent in relation to the complaint, the reason(s) why no action was taken.</p> <p>The Complaints Register shall be made available for inspection by the Director-General upon request.</p>						
A17	The Proponent shall provide an initial response to any complaints made in relation to the project during construction or operation within 48 hours of the complaint being made. The response and any subsequent action taken shall be recorded in accordance with condition A16. Any subsequent detailed response or action is to be provided within two weeks, or as otherwise agreed by the complainant/Director-General.	GTPL and contractor	Open	Compliant		There was one environmental complaint relating to disposal of green waste made on 19 June 2013. No follow up action was required as the contractor maintained that they were following correct procedures which was to take tree logs back to the compound for cutting up and removal off site as they were too large to be mulched. Refer Section 8.2.1 of the Compliance Tracking Report for more information.	
A18	Prior to the commencement of construction, the Proponent shall develop and implement a Compliance Tracking Program, to track compliance with the requirements of this approval during the construction and operation of all project and shall include, but not necessarily be limited to:	GTPL	Open	Compliant	04-Oct-12	GTPL has prepared a Compliance Tracking Program (CTP) to address this condition.	

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	<p>(a) provisions for periodic reporting of compliance status to the Director-General including at least prior to the commencement of construction of the project, prior to the commencement of operation of the project and within two years of operation commencement;</p> <p>(b) a program for independent environmental auditing in accordance with AS/NZ ISO 19011:2003 – Guidelines for Quality and/or Environmental Management Systems Auditing;</p>			Compliant		<p>GTPL has prepared pre-construction compliance reports for both Stage A – Network (west/east) in November and December 2012 respectively The reports outlined the status of compliance prior to the commencement of construction of Stage A – Network (west/east).</p> <p>This compliance tracking table assesses compliance of construction of Stage A – Network (west/east) from commencement of construction in January 2013 to end of June 2013. It also considers the pre-operation phase of Stage A – Network.</p> <p>GTPL will continue to prepare six monthly reports to document compliance with the Minister's Conditions of Approval, Statement of Commitments and other approvals/licenses. Refer to Section 2.2 of the CTP.</p> <p>GTPL has prepared a Compliance Tracking Program to address this condition. Six-monthly independent audits are proposed during construction. Refer to Section 2.3 of CTP.</p> <p>An independent audit of Stage A – Network (west) was undertaken on 4 June 2013 by NGH Environmental. An audit of Stage A – Network (east) is scheduled for November 2013.</p>	

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	(c) procedures for rectifying any non-compliance identified during environmental auditing or review of compliance;					<p>GTPL has prepared a CTP which outlines procedures for rectifying non compliance. Refer to Section 2.4 of CTP.</p> <p>The contractor responsible for Stage A – Network (west) maintains a Non-Conformance Register. No non-conformances were recorded during the reporting period.</p> <p>Findings of the independent audit for Stage A – Network (west) were provided to the contractor who was responsible for carrying out corrective actions and providing a response to GTPL. More information on how non-compliances identified in the audit are addressed in Table 2 of the Compliance Tracking Report.</p> <p>Non-conformances for Stage A – Network (east) are recorded in the monthly report prepared by the contractor. Only one non-conformance (green waste complaint on 19 June 2013) was recorded for Stage A – Network (east) during the reporting period. A Non-Conformance Report was prepared with description of non-conformance and summary of actions.</p> <p>Non-compliances are discussed in more detail in Section 4 of the Compliance Tracking Report.</p>	

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	<p>(d) mechanisms for recording environmental incidents and actions taken in response to those incidents;</p> <p>(e) provisions for reporting environmental incidents to the Director-General during construction and operation; and</p>					<p>GTPL has prepared a CTP to address this condition. Refer to Section 2.5 of the CTP. Incident recording requirements are outlined in Section 7.2 of CEMPs for Stage A – Network (west/east) and Section 7.2 of the OEMP for Stage A – Network.</p> <p>During the reporting period there was no Category one incidents, and one Category two incident (oil spill) for Stage A – Network (west). More information about how the spills was managed is included in Section 5.1.2 of the Compliance Tracking Report. An incident report was prepared and provided to GTPL and the Environmental Representative.</p> <p>During the reporting period there was no Category one incidents, and one Category two incident (oil spill) for Stage A – Network (east). More information about how the spill was managed is included in Section 5.2.2 of the Compliance Tracking Report. An incident report was prepared and provided to GTPL and the Environmental Representative.</p> <p>GTPL has prepared a CTP to address this condition. Refer to Section 2.6 of the CTP. Incident reporting requirements to the Director General are outlined in Section 7.3 the CEMPs for Stage A – Network (west/east) and Section 7.3 of the OEMP for Stage A – Network.</p> <p>There were no Category one incidents during the reporting period that needed to be reported to the Director-General. Refer Section 5 of the Compliance Tracking Report.</p>	

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	(f) provisions for ensuring all employees, contractors and sub-contractors are aware of, and comply with, the conditions of this approval relevant to their respective activities.					<p>CEMPs and management plans have been developed for Stage A – Network (west/east) that detail the training and induction requirements for all personnel on site. Refer to Section 5 of the CEMP.</p> <p>Section 4.2 of the OEMP highlights responsibilities for the different operators for Stage A – Network, specific training and induction requirements are listed in Section 5.</p> <p>Regular tool box talks have been undertaken during the reporting period, which have explained responsibilities for contractors, and sub-contractors working on Stage A – Network (west/east).</p>	
B1	The Proponent shall ensure that all the plant and equipment used on site is: (a) maintained in a proper and efficient condition; and (b) operated in a proper and efficient manner.	Contractor	Open	Compliant		Plant and equipment has been maintained in a proper condition during the reporting period by implementing the mitigation measures detailed in the Stage A – Network (west/east) Air Quality Management Plan.	
B2	Except as may be expressly provided by an Environment Protection Licence for the project, the Proponent shall comply with section 120 of the <i>Protection of the Environment Operations Act 1997</i> .	Contractor	Open	Compliant		<p>Works undertaken during the reporting period have been undertaken with regard to section 120 of the POEO Act and EPL 20188 that is in place for construction activities.</p> <p>Legal registers developed as part of the CEMPs for Stage A – Network (west/east) and the OEMP for Stage A – Network have outlined the requirement to comply with the POEO Act.</p>	

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
B3	<p>The Proponent shall provide a compensatory water supply to any land owner whose water entitlements are adversely impacted (other than an impact that is negligible) as a result of the project, in accordance with the criteria established in the Water Management Plan in condition D8.</p> <p>The compensatory water supply measures shall provide an alternate water supply for the duration of the impact attributed to the project. The alternate water supply shall at least be of an equivalent quality and quantity to the affected supply and be provided within 24 hours of the loss being identified, or as otherwise agreed by the affected resident/land owner.</p> <p>If the Proponent is unable to provide an alternative supply of water, then it shall provide reasonable alternative compensation in consultation with the affected land owner. If the Proponent and the land owner cannot agree on the measures to be implemented, or there is a dispute about the implementation of these measures, then either party may refer the matter to the Director-General for resolution.</p>	GTPL	N/A	N/A	N/A	<p>Condition not applicable to construction of Stage A – Network (west/east).</p> <p>Condition is also not applicable to operation of Stage A – Network, as this stage does not include operation of the Water Recycling Plant and discharge of recycled water downstream. This condition will be met once the Water Recycling Plant and is operational through the implementation of the Water Management Plan (as per CoA D8(b)).</p>	
B4	<p>Erosion and Sediment controls consistent with <i>Managing Urban Stormwater: Soils and Construction Manual</i> (Landcom 2004, or its latest version) are to be installed prior to the commencement of soil disturbance and maintained until such time as the disturbed area has been rehabilitated in accordance with the rehabilitation objectives in the CEMP.</p>	Contractor	Open	Compliant		<p>Compliance with this condition is ongoing throughout Stage A – Network (west/east)) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Soil and Water Management Plan. Erosion and Sediment Control Plans have been prepared for both construction sites.</p>	

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
B5	The Proponent shall carry out rehabilitation progressively, and as soon as reasonably practicable following disturbance in accordance with Condition C20(e).	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Soil and Water Management Plan and Landscape Management Plan. Trenches have been progressively filled as works along the network pipes has progressed.	
B6	The Proponent shall ensure no offensive odours are emitted from the project site, as defined under the <i>Protection of the Environment Operations Act 1997</i> .	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Air Quality Management Plan. There were no odour complaints during the reporting period.	
B7	The Proponent shall not cause, permit or allow any waste generated outside the site to be received at the site for storage, treatment, processing, reprocessing, or disposal on the site, except as expressly permitted by a licence under the <i>Protection of the Environment Operations Act 1997</i> , if such a licence is required in relation to that waste.	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Waste and Resource Management Plan. No waste incidents were recorded during the reporting period.	
B8	The Proponent shall maximise the reuse and/or recycling of waste materials generated on site, to minimise the need for treatment or disposal of those materials outside the site.	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Waste and Resource Management Plan.	
B9	The Proponent shall ensure that all liquid and/or non-liquid waste generated by the project is assessed and classified in accordance with <i>Waste Classification Guidelines</i> (DECC 2008, or any future guideline that may supersede that document) and where removed from the site is only directed to a waste management facility lawfully permitted to accept those materials.	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Waste and Resource Management Plan. No waste incidents were recorded during the reporting period.	

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B10	The Proponent shall ensure that no green waste is burned on site during the life of the project.	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Waste and Resource Management Plan. There were no recorded incidents of green waste being burnt on site during the reporting period.	
B11	The Proponent shall limit the clearing of native vegetation to the minimum extent practicable. Details regarding the procedures for clearing vegetation, minimising the extent of clearing and the extent and location of these reductions shall be included in the Flora and Fauna Management Plan prepared in accordance with condition C20.	Contractor	Open	Compliant		The design of Stage A – Network (west/east) has considered the need to minimise clearing of native vegetation as far as possible. Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through the mitigation measures detailed in the Stage A – Network (west/east) Flora and Fauna Management (FFMP). There were no recorded incidents of excessive vegetation clearing during the reporting period.	

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B12	All hollow bearing trees shall be retained to the greatest extent practicable. Where this is not feasible, trees containing hollows shall be inspected by a suitably qualified ecologist prior to disturbance, and where native fauna are located using the tree hollows, procedures shall be developed and implemented under the guidance of the qualified ecologist to minimise impacts on the native fauna. Details of actions to be taken and measures to monitor their effectiveness shall be included in the Flora and Fauna Management Plan.	Contractor	Open	Compliant		<p>Compliance with this condition is ongoing throughout Stage A – Network (west) works and will be managed through mitigation measures detailed in the Stage A – Network (west) Flora and Fauna Management (FFMP). Refer Attachment 3 (Hollow Relocation and Nest Box Strategy). Ten nest boxes were installed prior to construction.</p> <p>Compliance with this condition is ongoing throughout Stage A – Network (east) works and will be managed through mitigation measures detailed in the Stage A – Network (east) Flora and Fauna Management (FFMP). Refer Attachment 3 (Hollow Relocation and Nest Box Strategy). Thirty-six of the required 46 nest boxes were installed prior to construction. The strategy states that half of the prescribed nest boxes needed to be installed prior to construction, the remainder could be installed after clearing.</p>	
B13	Where possible, the removal of trees which form potential habitat for the Speckled Warbler ( <i>Chthonicola sagittata</i> ) shall occur outside of the August to January period breeding season of the species. If clearing cannot be avoided during this time, the area must be inspected by a qualified ecologist prior to any disturbance to identify potential nesting sites. If a nesting site is observed and it contains young, the area must be retained for at least 3 weeks to allow the young to fledge.	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Flora and Fauna Management (FFMP). Refer to Attachment 2 (Vegetation Clearance Procedure). No clearing was undertaken during the August to January period.	

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B14	The Proponent shall establish and maintain in perpetuity a dedicated area of land on the project site for the conservation of the Pink-tailed Legless Lizard ( <i>Aprasia parapulchella</i> ) as outlined in the plan prepared in accordance with condition D9 and shown in Appendix 2.	GTPL	Open	Compliant	15-Aug-13	<p>GTPL has prepared a Pink-tailed Worm-lizard Protection and Management Plan to address this condition. The Plan was prepared in accordance with condition D9, and was approved by DP&amp;I on 15 August 2013 (refer attachment).</p> <p>Construction activities for Stage A – Network (west/east) did not encroach within 50 metres of the Pink-tailed Worm-lizard conservation area during the reporting period.</p> <p>Operational activities for Stage A – Network will not take place within 50 metres of the conservation area but the OEMP for Stage A – Network references the Pink-tailed Worm-lizard Protection and Management Plan as one of the key environmental management documents that must be implemented for the IWC Project.</p>	PTWL Plan Approval Letter
B15	<p>The Proponent shall store and handle all dangerous goods, as defined by the Australian Dangerous Goods Code, strictly in accordance with:</p> <p>(a) all relevant Australian Standards;</p> <p>(b) for liquids, a minimum bund volume requirement of 110% of the volume of the largest single stored volume within the bund; and</p>	Contractor	Open	Compliant		<p>Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Hazard, Risk and Safety Management Plan.</p> <p>During the independent audit on 4 June 2013 for Stage A – Network (west) it was identified that there was no dangerous goods labelling on a fuel container. This was installed following the audit. No other handling incidents were recorded during the reporting period.</p>	

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	<p>(c) DECC's Environment Protection Manual Technical Bulletin – Bunding and Spill Management.</p> <p>In the event of an inconsistency between the requirements listed from (a) to (c) above, the most stringent requirement shall prevail to the extent of the inconsistency.</p>						
B16	<p>The Proponent shall prepare and implement a Landscape Management Plan for the project. The Plan shall be prepared in consultation with Councils and include, but not necessarily be limited to:</p> <p>(a) an identification of the project elements which may impact on the visual amenity of the area and potential sensitive receiver locations, including residents of the Googong Township urban development area;</p> <p>(b) measures to minimise and/or avoid visual amenity impacts to sensitive receiver locations, including:</p> <p>(i) landscape design, including a schedule of species to be used in landscaping and revegetation;</p> <p>(ii) built elements, including proposed treatments, finishes and materials of exposed surfaces (including colour specifications and samples);</p>	GTPL	Open	Compliant		<p>GTPL has prepared a Stage A – Network Landscape Management Plan to address this condition. The Landscape Management Plan describes the landscape and rehabilitation measures to be applied to Stage A – Network.</p> <p>The LMP was provided to QCC and Palerang Council for comment. Comments have been addressed in the final LMP.</p> <p>The LMP was provided to the Director-General 22 October 2012, prior to the commencement of construction.</p>	Council comments on LMP

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
	<p>(iii) lighting design;</p> <p>(c) details of the timing and progressive implementation the visual mitigation works; and</p> <p>(d) procedures and methods to monitor and maintain landscaped or rehabilitated areas.</p> <p>The Plan shall be prepared and submitted to the Director-General prior to construction, unless otherwise agreed by the Director-General.</p>						
B17	<p>The Proponent shall:</p> <p>(a) take all practicable measures to mitigate off-site lighting impacts from the construction and operation of the project; and</p> <p>(b) ensure that all external lighting associated with the project complies with Australian Standard AS4282 – 1997 – <i>Control of the Obtrusive Effects of Outdoor Lighting</i>.</p>	GTPL and contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Hazard, Risk and Safety Management Plan. No night time works have taken place and as such lighting has not been required.	
C1	<p>Prior to the commencement of construction of the project, the Proponent shall clearly define work areas (including access trails) using the measures outlined in the CEMP under condition C19. All on-site construction movements shall be restricted to these areas to prevent uncontrolled or inadvertent access by vehicles or construction personnel.</p>	GTPL and contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Construction Environmental Management Plan which includes maps with clearly defined work areas. No incidents relating to work outside these areas was recorded during the reporting period.	

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C2	Prior to commencing construction of the project, the Proponent shall investigate the presence and extent of any soil contamination on the site, including but not limited to the sites identified in the EA.	GTPL	Complete	Compliant	09-Aug-12	GTPL has investigated the presence and extent of potential soil contamination for Stage A – Network. A site survey was carried out by Geotechnique on 19 and 20 July 2012. No sites of potential contamination were identified in the area of work for Stage A – Network (west/east).	Geotechnique report
C3	The Proponent shall ensure any areas affected by the project that are potentially contaminated are remediated prior to commencing construction in those areas. All remediation work shall be conducted in accordance with the requirements of the <i>Contaminated Land Management Act 1997</i> and <i>Contaminated Sites: Guidelines for Consultants Reporting on Contaminated Sites</i> (EPA, 1997).	GTPL	Complete	Compliant		No areas of contamination were identified within the Stage A – Network (west/east) site prior to construction (refer CoA C2).  Should areas of potential contamination be identified during construction of Stage A – Network (west/east), that potential contamination will be managed through mitigation measures detailed in the Stage A – Network (west/east) Soil and Water Management Plan.	

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C4 (modified)	<p>The Proponent shall salvage, through surface collection, identified artefacts at site GWTP2 prior to the commencement of construction at the water recycling plant site. Salvage should be carried out in accordance with the salvage methods described in Navin Officer Heritage Consultants Pty Ltd October 2012 "Methodology: Googong Township Truck Water Main and Recycled Water System".</p> <p>Salvaged artefacts should be relocated in accordance with the artefact relocation methods as described in Navin Officer Heritage Consultants Pty Ltd, 24 June 2010, "Back to Country Proposal to Reposition Salvaged Aboriginal Artefacts from the Googong New Town (Neighbourhood 1A) Development".</p> <p>The Proponent shall not impact any other item of Aboriginal or non-Indigenous heritage significance identified in the EA.</p>	GTPL	Open	Compliant		<p>Stage A – Network (west) does not directly impact items of Aboriginal or non-Aboriginal heritage. Compliance with this condition will be ongoing for Stage A – Network (west) works and will be managed through mitigation measures detailed in the Stage A – Network (west) Heritage Management Plan. No heritage incidents were recorded during the reporting period.</p> <p>Stage A – Network (east) does not directly impact items of Aboriginal or non-Aboriginal heritage. Compliance with this condition will be ongoing for Stage A – Network (east) works and will be managed through mitigation measures detailed in the Stage A – Network (east) Heritage Management Plan. No heritage incidents were recorded during the reporting period.</p> <p>Salvage of four artefacts from the GWTP2 site was undertaken on 7 May 2013 as part of the approved salvage, referred to in this condition, prior to the commencement of the construction of the Water Recycling Plant (where GWTP2 is situated). Refer attachment for details on the salvage.</p>	GWTP2 Salvage Report
C5	<p>In the event of uncovering unidentified Aboriginal objects or relics, work shall cease immediately in the vicinity of the site and the event shall be reported immediately to OEH and the Department. Relevant works shall not recommence until written authorisation from the Director-General to proceed in those areas has been received.</p>	GTPL and contractor	Open	Compliant		<p>Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Heritage Management Plan. No unexpected finds occurred during the reporting period.</p>	

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C6	If during the course of construction the Proponent becomes aware of any previously unidentified non-Indigenous heritage object(s), all works likely to affect the object(s) shall cease immediately and the Heritage Council of New South Wales and the Department shall be notified as soon as practicable in accordance with section 146 of the NSW <i>Heritage Act 1977</i> . Relevant works shall not recommence until written authorisation from the Director-General to proceed in those areas has been received.	GTPL and contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Heritage Management Plan. No unexpected finds occurred during the reporting period.	
C7	Subject to conditions C9 and C10, construction works that would generate audible noise at any sensitive receiver shall only be undertaken during the following hours: (a) 7:00 am to 6:00 pm, Mondays to Fridays, inclusive; (b) 8:00 am to 1:00 pm on Saturdays; and (c) at no time on Sundays or public holidays. Note: this condition does not apply in the event of a direction from police or other relevant authority for safety reasons.	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Noise and Vibration Management Plan. No out of hours works took place and there were no noise complaints during the reporting period.	
C8	The hours of construction specified under condition C7 may be varied with the prior written approval of the Director-General. Any request to alter the hours of construction shall be:  (a) considered on a case-by-case basis;	GTPL and contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works. Procedures for varying hours of construction are detailed in the Stage A – Network (west/east) Noise and Vibration Management Plan. No requests for out of hours works was made during the reporting period.	

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	<p>(b) accompanied by details of the nature and need for activities to be conducted during the varied construction hours and any other information necessary to reasonably determine that activities undertaken during the varied construction hours will not adversely impact on the acoustic amenity of receptors in the vicinity of the site; and</p> <p>(c) require that affected residential receivers are informed of the timing and duration of any construction activities approved under this condition at least 48 hours before that work commences.</p>						
C9	<p>Any work generating high noise that has impulsive, intermittent, low frequency or tonal characteristics, including jack hammering, line drilling, pile driving, rock hammering, rock breaking, saw cutting, sheet piling, vibratory rolling but excluding blasting, shall only be undertaken:</p> <p>(a) between the hours of 8.00 am and 6.00 pm Monday to Friday;</p> <p>(b) between the hours of 8.00 am and 1.00 pm Saturday; and</p> <p>(c) in continuous blocks of no more than three hours, with at least one hour respite between each block of work generating high noise impact, where the location of the work is likely to impact the same receivers; except as otherwise approved by the Director-General.</p>	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Noise and Vibration Management Plan. No out of hours works took place and there were no noise complaints during the reporting period.	

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	For the purposes of this condition “continuous” includes any period during which there is less than a one hour respite between ceasing and recommencing any of the work the subject of this condition.						
C10	<p>Blasting associated with the construction of the project is only permitted during the following hours:</p> <p>(a) 9.00 am to 5.00 pm, Mondays to Fridays, inclusive;</p> <p>(b) 9.00 am to 1.00 pm on Saturdays; and</p> <p>(c) at no time on Sundays or public holidays.</p> <p>Where compelling safety reasons exist, the Director-General may permit blasting outside of these hours on a case-by-case basis where any request is accompanied by details of the nature and need for blasting outside the approved hours and the measures to be implemented to minimise impacts.</p>	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Noise and Vibration Management Plan. Blasting was undertaken during the specified hours and no blasting-related complaints were received during the reporting period.	
C11	The Proponent shall implement all reasonable and feasible noise mitigation measures to minimise noise generated by construction of the project, consistent with the requirements of the <i>Interim Construction Noise Guidelines</i> (DECC, July 2009).	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Noise and Vibration Management Plan. The plan has considered the requirements of the Interim Construction Noise Guidelines. No noise complaints were received during the reporting period.	

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C12	The Proponent shall ensure that blasting and vibration resulting from construction of the project does not cause exceedances of the criteria in Table C1.	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works. Should blasting be required, impacts will be managed through mitigation measures detailed in the Stage A – Network (west/east) Noise and Vibration Management Plan. Refer to Table 5.1 (NV10); and the Blast Management Plan. Monitoring undertaken for each blasting event indicated that there were no exceedances of blasting criteria.	
C13	At least two weeks prior to commencing blasting activities, the Proponent shall notify Council and potentially affected landowners, including details of time, location and frequency of the blasting and providing a contact point for inquiries and complaints.	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works. Should blasting be required, impacts will be managed through mitigation measures detailed in the Stage A – Network (west/east) Noise and Vibration Management Plan. Refer to Table 5.1 (NV10); and the Blast Management Plan. Monitoring undertaken for each blasting event indicated that there were no exceedances of blasting criteria.	
C14	Prior to the commencement of construction of the project, the Proponent shall assess the condition of roads and footpaths which may be potentially impacted by construction of the project (including over-mass or over-dimensional vehicles), in consultation with the relevant roads authorities.	GTPL	Complete	Compliant	29-Aug-12	A pre-construction dilapidation survey of Googong Dam Road (including of existing pavement, drainage, road furniture and line markings) was carried out by Brown Consulting on behalf of GTPL in August 2012. A copy of the report was issued to QCC, and can be made available upon request.	

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C15	The Proponent shall: (a) ensure that any measures to restore roads as a result of the construction of the project, are undertaken in a timely manner, to the satisfaction of the relevant road authority and at the full expense of the Proponent;	GTPL and contractor	Open	N/A	N/A	A pre-construction dilapidation survey of Googong Dam Road (including of existing pavement, drainage, road furniture and line markings) was carried out by Brown Consulting on behalf of GTPL in August 2012. A copy of the report was issued to QCC, and can be made available upon request.  Partial reconstruction of some sections of road has been undertaken however complete restoration has not been completed as construction works are still under way. It is likely that major restoration works will be delayed until other stages of the IWC Project are also constructed (eg Stage A+B WRP and subdivision works), but partial road restoration will continue as required. Road verges will be restored in accordance with the Landscape Management Plan.	
	(b) ensure that adequate signage is provided to inform road users of any change in traffic conditions resulting from construction works; and			Compliant	Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Traffic Management Protocol. No traffic complaints were received during the reporting period.		
	(c) undertake all roadworks in consultation with Councils and any relevant road authority.			Compliant	Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Air Quality Management Plan. No air quality complaints were received during the reporting period.		
C16	The Proponent shall: (a) implement best practice air quality management on site, including all reasonable and feasible measures to minimise off-site odour, fume and dust emissions generated by the project;	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Air Quality Management Plan. No air quality complaints were received during the reporting period.	

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	<p>(b) minimise any visible air pollution generated by the project; and</p> <p>(c) regularly assess the meteorological forecasting data, and relocate, modify and/or stop activities on site to ensure compliance with the relevant conditions of this approval.</p>						
C17	<p>Prior to the commencement of construction, or as otherwise agreed by the Director-General, the Proponent shall engage a suitably qualified and experienced Environmental Representative(s) whose appointment has been endorsed by the Director-General. The Environmental Representative(s) shall:</p>	GTPL	Complete	Compliant	21-Sep-12	<p>Richard Sharp (NGH Environmental) was engaged as the Environmental Representative (ER) prior to construction commencing. The ER was endorsed by the Director-General on 21 September 2012 – see attached correspondence.</p>	DP&I ER approval 21 Sept 2012
	<p>(a) be independent of the design, construction and operation personnel;</p>					The ER is independent of the design, construction and operation personnel and is employed by NGH Environmental.	
	<p>(b) oversee the implementation of all environmental management plans and monitoring programs required under this approval and advise the Proponent upon the achievement of all project environmental outcomes;</p>					Compliance with this condition is ongoing throughout Stage A – Network (west/east) works. The roles and responsibilities of the ER are outlined in Section 4.1 of the in the Stage A – Network (west/east) Construction Environmental Management Plan. Section 8.1 outlines the ER's role in regular site inspections which are undertaken fortnightly.	
	<p>(c) consider and advise the Proponent on its compliance obligations against all matters specified in the conditions of this approval and any other approval, permits and/or licences; and</p>						

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	<p>(d) have the authority and independence to:</p> <p>(i) recommend to the Proponent reasonable steps to be taken to avoid or minimise unintended or adverse environmental impacts; and</p> <p>(ii) failing the effectiveness of such steps, to recommend to the Proponent that relevant activities are to be ceased as soon as reasonably practicable if there is likely to be a significant risk of an adverse impact on the environment, until reasonable steps are implemented to avoid such impact.</p>						
C18	The Proponent shall act on all recommendations made by the Environmental Representative(s) as soon as practicable, unless otherwise agreed by the Director-General. If the Proponent chooses not to implement recommendations of the Environmental Representative(s), it shall provide written justification of the alternate course of action to the satisfaction of the Director-General within 7 days of receiving the recommendation from the Environmental Representative(s).	GTPL and contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works. The roles and responsibilities of the ER are outlined in Section 4.1 of the in the Stage A – Network (west/east) Construction Environmental Management Plan. Section 8.1 outlines the ER's role in regular site inspections which are undertaken fortnightly. Actions recommended by the ER are made in the inspection report and then closed out by the ER in the next inspection report, if all recommendations have been addressed. There were no instances were recommendations could not or were not implemented.	

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C19	<p>Prior to the commencement of construction, the Proponent shall prepare and implement a Construction Environmental Management Plan (CEMP) to outline environmental management practices and procedures to be followed during construction of the project. The Plan shall be consistent with the <i>Guideline for the Preparation of Environmental Management Plans</i> (DIPNR 2004, or its latest revision) and shall include, but not necessarily be limited to:</p>	GTPL	Complete	Compliant	18-Oct-12	A CEMP has been prepared for Stage A – Network (west) in accordance with this condition. The CEMP was prepared in consultation with a number of agencies and stakeholders. DP&I approved the CEMP on 18 October – refer to correspondence attached.	DP&I CEMP Approval 18 October 2012
	05-Dec-12				A CEMP has been prepared for Stage A – Network (east) in accordance with this condition. The CEMP was prepared in consultation with a number of agencies and stakeholders, including the future operator (ACTEW). DP&I approved the CEMP on 5 December 2012 – refer to correspondence attached.	DP&I CEMP Approval 5 December 2012	
	(a) a description of all relevant activities to be undertaken on the site during construction, including stages of construction where relevant;						
	(b) details of measures to clearly define work areas (including access trails) using a combination of posts, fencing or markers, and suitably marked up maps, as appropriate.						
(c) details of mitigation, management and rehabilitation measures specific to the site that would be implemented, including but not limited to the requirements identified in the documents referred to under condition A1;							
(d) statutory and other obligations that the Proponent is required to fulfill during construction including all relevant approvals, consultations and agreements required from authorities and other stakeholders, and key legislation and policies;							

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	(e) a description of the roles and responsibilities for all relevant employees and contractors involved in the construction of the project;						
	(f) a description of relevant training and induction provisions for ensuring that all employees, contractors and sub-contractors are aware of their environmental and compliance obligations under these conditions of approval;						
	(g) measures to monitor and manage dust emissions, including dust generated by traffic on unsealed public roads and unsealed internal access tracks;						
	(h) details of actions to be taken to address identified potential adverse environmental impacts;						
	(i) details of how the environmental performance of the construction works will be monitored, and what actions will be taken to address identified potential adverse environmental impacts;						
	(j) a complaints handling procedure during construction; and						
	(k) procedures for the update of the Construction Environmental Management Plan as necessary.						

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification		
	The CEMP shall be prepared in consultation with the relevant authorities and Councils, and submitted for the approval of the Director-General no later than one month prior to the commencement of any construction works associated with the project, or as otherwise agreed by the Director-General. Construction works shall not commence until written approval has been received from the Director-General.			Compliant	18-Oct-12	<p>GTPL prepared the Stage A – Network (west) CEMP in consultation with the following stakeholders: Queanbeyan City Council, Palerang Council, Office of Environment and Heritage, Environment Protection Agency, Roads and Maritime Services, Department of Sustainability, Environment, Water, Population and Communities. See correspondence from stakeholders attached.</p> <p>The CEMP was provided to DP&amp;I for approval on 27 July 2012. The Director-General approved the CEMP on 18 October 2012. See correspondence attached.</p>	<p>Agency correspondence on CEMP</p> <p>DP&amp;I CEMP Approval 18 October 2012</p>		
							05-Dec-12	<p>GTPL prepared the Stage A – Network (east) CEMP in consultation with the following stakeholders: Queanbeyan City Council, Palerang Council, Office of Environment and Heritage, Environment Protection Authority, Roads and Maritime Services, Department of Sustainability, Environment, Water, Population and Communities. See correspondence from stakeholders attached.</p> <p>The CEMP was provided to DP&amp;I for approval. The Director-General approved the CEMP on 5 December 2012. See correspondence attached.</p>	<p>Agency correspondence on CEMP</p> <p>DP&amp;I CEMP Approval 5 December 2012</p>
C20				As part of the Construction Environmental Management Plan for the project, prepared under condition C19 of this approval, the Proponent shall prepare and implement the following:	GTPL and contractor	Complete	Compliant	18-Oct-12	<p>GTPL has prepared a Stage A – Network (west) Soil and Water Management Plan in consultation with the following stakeholders: Queanbeyan City Council, Palerang Council, Office of Environment and Heritage. See correspondence from stakeholders attached.</p>

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
	(a) a Soil and Water Management Plan to manage water quality impacts and to minimise soil erosion and the discharge of sediments and other pollutants to lands and/or waters during construction. The Plan shall be prepared in consultation with OEH and Councils and shall include, but not necessarily be limited to:				05-Dec-12	GTPL has prepared a Stage A – Network (east) Soil and Water Management Plan in consultation with the following stakeholders: Queanbeyan City Council, Palerang Council, Office of Environment and Heritage. See correspondence from stakeholders attached.	All agency comments on SWMP
	(i) detailed engineering designs for the recycled water discharge structure;			N/A		Condition not applicable to construction of Stage A – Network (west/east) or operation phase of Stage A – Network.	
	(ii) detailed engineering designs and rehabilitation methodology for each category of watercourse crossing;	GTPL and contractor	Complete	Compliant	18-Oct-12	GTPL has prepared a Stage A – Network (west) Soil and Water Management Plan in accordance with this condition.	
					05-Dec-12	GTPL has prepared a Stage A – Network( east) Soil and Water Management Plan in accordance with this condition.	
	(iii) a description of the quantity and source of all water supplies relating to construction, hydro-testing and operation;						
	(iv) a description of any dewatering activities associated with groundwater interception and measures to minimise the impacts associated with dewatering activities, including the disposal or reuse of water;						
	(v) details on potential occurrence of expansive soils and saline areas within the project site and management and mitigation measures;						

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	<p>(vi) details of the measures to mitigate the risk of impacting the local groundwater recharge levels (such as the planning of construction works during dry periods and the employment of construction techniques which aim to shorten the time the trenches are left open);</p> <p>(vii) a description of measures to minimise soil erosion and the potential for the transport of sediment to downstream waters, including progressive rehabilitation;</p> <p>(viii) monitoring of impacts on water quality and soils;</p>						
C20	(b) a Hazards, Risk and Safety Management Plan to address:	GTPL and contractor	Complete	Compliant	18-Oct-12	GTPL has prepared a Stage A – Network (west) Hazard, Risk and Safety Management Plan in accordance with this condition.	
	05-Dec-12				GTPL has prepared a Stage A – Network (east) Hazard, Risk and Safety Management Plan in accordance with this condition.		
	(i) the safety of construction workers in the event of a flood, bushfire and any other likely hazard or risk;						
	(ii) the management of the risk of fuel spillages and associated activities, with respect to potential groundwater contamination, including an description of designated fuel distribution points;						

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
	(iii) the safety of the public (such as bushwalkers) near the site during construction, such as installation of signage and fencing as necessary;						
C20	(c) a Traffic Management Protocol to outline the management of traffic impacts that may occur during construction of the project. The Plan shall be developed in consultation with Councils, the RTA and any other relevant road authority and shall include, but not necessarily be limited to:	GTPL and contractor	Complete	Compliant	18-Oct-12	GTPL has prepared a Stage A – Network (west) Traffic Management Protocol in consultation with the following stakeholders: Queanbeyan City Council, Palerang Council, Roads and Maritime Services. See correspondence from stakeholders attached.	Agency correspondence on TMP
	05-Dec-12				GTPL has prepared a Stage A – Network (east) Traffic Management Protocol in consultation with the following stakeholders: Queanbeyan City Council, Palerang Council, Roads and Maritime Services. See correspondence from stakeholders attached.	Agency correspondence on TMP	
	(i) details of traffic routes for heavy vehicles, including any necessary route or timing restriction for oversized loads;						
	(ii) measures to verify the condition of roads used by construction vehicles prior to and following construction;						
	(iii) details of how the construction of project infrastructure will be managed in proximity to local and regional roads and with respect to sensitive receivers located in close proximity to these roads (such as maintaining access to property) and any other concurrent works occurring in close proximity to the project, such as the Googong Dam Spillway Remediation Works;						

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
	<p>(iv) detailed consideration of measures to be employed to ensure traffic volumes and acoustic and amenity impacts along heavy vehicle routes are minimised;</p> <p>(v) details of requirements to restore roads used for the construction of the project, including Old Cooma Road and Googong Dam Road; and</p> <p>(vi) demonstration that all statutory responsibilities with regard to road traffic impacts have been complied with;</p>						
C20	<p>(d) a Noise and Vibration Management Plan to identify measures to monitor and manage noise and vibration and to identify all feasible and reasonable noise and vibration mitigation measures. The Plan shall be developed in consultation with OEH and Queanbeyan City Council and include, but not necessarily be limited to:</p> <p>(i) the identification all potentially affected sensitive receivers (such as future residents of the Googong township due to the undertaking of final works associated with the water recycling plant), and noise management levels;</p>	GTPL and contractor	Complete	Compliant	<p>18-Oct-12</p> <p>05-Dec-12</p>	<p>GTPL has prepared a Stage A – Network (west) Noise and Vibration Management Plan in accordance with this condition and in consultation with the following stakeholders: Queanbeyan City Council, Environment Protection Agency. See correspondence from stakeholders attached.</p> <p>GTPL has prepared a Stage A – Network (east) Noise and Vibration Management Plan in accordance with this condition and in consultation with the following stakeholders: Queanbeyan City Council, Environment Protection Agency. See correspondence from stakeholders attached.</p>	<p>Agency correspondence on NVMP</p> <p>Agency correspondence on NVMP</p>

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
	(ii) a review of the assumptions made in Appendix J of the EA to the final determined construction noise levels;						
	(iii) details of the measures to avoid and/or mitigate the actual noise levels, including the noise mitigation measures identified under section 13.4.4 of the EA;						
	(iv) an assessment, if blasting is proposed, to calculate the maximum instantaneous charge (MIC) able to be used in order to meet amenity-based ground vibration and overpressure criteria in condition C12;						
	(v) details of the consultation process for noise mitigation measures with any affected sensitive receivers; and						
	(vi) details of noise monitoring to be undertaken to manage potentially elevated noise levels;						

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C20	(e) a Flora and Fauna Management Plan to outline measures to protect, and minimise the loss of, terrestrial, riparian and aquatic native vegetation and native fauna habitat as a result of construction of the project. The Plan shall be prepared in consultation with OEH, DSEWPaC and Queanbeyan City Council, and include, but not necessarily be limited to:	GTPL and contractor	Complete	Compliant	18-Oct-12	GTPL has prepared a Stage A – Network (west) Flora and Fauna Management Plan in consultation with the following stakeholders: Queanbeyan City Council, Office of Environment and Heritage and Department of Sustainability, Water, Environment, Population and Communities. See correspondence from stakeholders attached.	Agency correspondence on FFMP
					05-Dec-12	GTPL has prepared a Stage A – Network (east) Flora and Fauna Management Plan in consultation with the following stakeholders: Queanbeyan City Council, Office of Environment and Heritage and Department of Sustainability, Water, Environment, Population and Communities. See correspondence from stakeholders attached.	Agency correspondence on FFMP
	(i) procedures for pre-construction surveys to identify key flora and fauna features within and adjacent to the construction area;						
	(ii) procedures to accurately determine the total area, type and condition of vegetation community to be cleared;						

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	(iii) plan/s showing terrestrial vegetation communities, important flora and fauna habitat areas, EECs, threatened species (Hoary Sunray <i>Leucochrysum albicans</i> var. <i>tricolor</i> , Speckled Warbler <i>Chthonicola sagittata</i> and Pink-tailed Legless Lizard <i>Aprasia parapulchella</i> ), weeds and areas to be cleared. The plans shall also identify vegetation adjoining the site which contains important habitat areas and/or threatened species, populations or ecological communities;						
	(iv) methods to avoid and manage potential impacts on flora and fauna species and their habitat which may be directly or indirectly affected by the project, such as location of fencing to exclude access to sensitive areas, procedures for vegetation clearing or soil removal/stockpiling and procedures for re-locating hollows or installing nesting boxes and managing weeds;						
	(v) measures for conserving and reusing topsoil;						
	(vi) procedures to be implemented for controlling weeds and feral pests;						
	(vii) rehabilitation details and success criteria;						

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
	(viii) a program for reporting on the effectiveness of flora and fauna management measures; and						
	(ix) a procedure to review management methods where they are found to be ineffective;						
C20	(f) a Heritage Management Plan to manage potential impacts on Aboriginal and non-Indigenous heritage items. The plan shall be prepared in consultation with OEH and include, but not necessarily be limited to:	GTPH	Open	Compliant	18-Oct-12	GTPH has prepared a Stage A – Network (west) Heritage Management Plan in accordance with this condition and in consultation with the Office of Environment and Heritage. See correspondence from stakeholders attached.	Agency correspondence on HMP
					05-Dec-12	GTPH has prepared a Stage A – Network (east) Heritage Management Plan in accordance with this condition and in consultation with the Office of Environment and Heritage. See correspondence from stakeholders attached.	Agency correspondence on HMP
	(i) details of measures to be carried out to avoid impacts to known and potential Aboriginal sites and deposits;						

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	<p>(ii) procedures for dealing with previously unidentified Aboriginal objects (excluding human remains), including:</p> <ul style="list-style-type: none"> <li>• halting of works in the vicinity;</li> <li>• assessment of the significance of the item(s) and determination of appropriate mitigation measures (including when works can recommence) by a qualified archaeologist in consultation with registered Aboriginal stakeholders;</li> <li>• assessment of the consistency of any new Aboriginal heritage impacts against the approved impacts of the project; and – registering of the new site/s in the OEH AHIMS register;</li> </ul> <p>(iii) procedures for dealing with human remains (including halting of works in the vicinity and notification of the NSW Police, OEH and registered Aboriginal stakeholders and not recommencing any works in the area unless authorised by OEH and the NSW Police); and</p> <p>(iv) Aboriginal cultural heritage induction processes for construction personnel and procedures for ongoing Aboriginal consultation and involvement.</p>						

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
D1	<p>Noise emitted from the operation of project-related infrastructure shall not exceed 35 dB(A) (LAeq (15min)) at any residence on privately-owned land.</p> <p><i>Note: Noise generated by the project is to be measured in accordance with the relevant requirements, and exemptions (including certain meteorological conditions), of the NSW Industrial Noise Policy.</i></p>	GTPL	N/A	N/A	N/A	N/A to construction of Stage A – Network (west/east). Operation of Stage A – Network had not commenced during the reporting period.	
D2	Water provided as drinking water to service the Googong Township, as outlined under the documents referred to in condition A1, shall comply with the <i>Australian Drinking Water Guidelines 2004</i> .	QCC	N/A	N/A	N/A	N/A to construction of Stage A – Network (west/east). Operation of Stage A – Network had not commenced during the reporting period.	
D3	Ongoing management and monitoring of the supply of the drinking water shall form part of the NSW Drinking Water Monitoring Program.	QCC	N/A	N/A	N/A	N/A to construction of Stage A – Network (west/east). Operation of Stage A – Network had not commenced during the reporting period.	
D4	Water provided as recycled water to service the Googong Township, as outlined under the documents referred to in condition A1, shall comply with <i>National Water Quality Management Strategy – Australian Guidelines for Water Recycling: Managing Health and Environmental Risks (Natural Resource Management Ministerial Council, Environment Protection and Heritage Council and Australian Health Ministers' Conference, 2006)</i> .	GTPL and QCC	N/A	N/A	N/A	<p>Condition not applicable to construction of Stage A – Network (west/east). No recycled water has been generated or discharged during the reporting period.</p> <p>This condition will be considered during the detailed design phase of Stage A+B – WRP and will be captured in the OEMP prepared and approved prior to the operation of Stage A+B – WRP.</p> <p>In addition, QCC are preparing a Recycled Water Quality Management Plan as part of their application to NSW Office of Water under Section 60 of the <i>Local Government Act 1993</i>, which will address this condition.</p>	

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
D5	The recycled water discharged to the environment shall not exceed the water quality parameters identified in Table D1 below. If the results of water quality monitoring undertaken in accordance with the Water Management Plan in condition D8 indicates that the downstream ambient water quality criteria of the Queanbeyan River is exceeded as a result of the project, then the project shall be adjusted to reduce the concentration of the relevant parameters in the recycled water discharged to the environment.	GTPL and QCC	N/A	N/A	N/A	Condition not applicable to construction of Stage A – Network (west/east). No recycled water has been generated or discharged during the reporting period.  This condition will be considered during the detailed design phase of Stage A+B – WRP and will be captured in the OEMP prepared and approved prior to the operation of Stage A+B – WRP.	
D6	No recycled water shall be discharged to the environment until at least 12 months of baseline data for the receiving waterways has been obtained and the flow release protocol has been established, in accordance with the approved Water Management Plan in condition D8.	GTPL and QCC	N/A	N/A	N/A	Condition not applicable to construction of Stage A – Network (west/east). No recycled water has been generated or discharged during the reporting period.	
D7	The Proponent shall prepare and implement an Operation Environmental Management Plan (OEMP) for the project, in accordance with <i>Guideline for the Preparation of Environmental Management Plans</i> (DIPNR, 2004) or its latest version. The Plan shall be prepared in consultation with Councils, OEH and NOW and include, but not necessarily be limited to:	GTPL, contractor, QCC and ACTEW	Open	Compliant		Condition not applicable to construction of Stage A – Network (west/east).  GTPL has prepared an OEMP for Stage A – Network in accordance with this condition that was submitted to the relevant agencies listed in this condition, for comment in April 2013 (refer attached comments table).  The OEMP was submitted to DP&I for review on 16 July 2013 and a revised OEMP was submitted to DP&I for approval on 30 August 2013. Commencement of Stage A – Network is scheduled for September 2013 but will commence until approval of the OEMP for Stage A – Network has been issued by DP&I.	Agency comments on OEMP

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
	<p>(a) identification of all statutory and other obligations that the Proponent is required to fulfill in relation to the operation of the development, including all consents, licences, approvals and consultations;</p> <p>(b) specific consideration of relevant measures to address any requirements identified in the documents referred to under condition A1;</p> <p>(c) a management organisational chart identifying the roles and responsibilities for all relevant employees involved in the operation of the project;</p> <p>(d) overall environmental policies and principles to be applied to the operation of the project;</p> <p>(e) management policies to ensure that environmental performance goals are met and to comply with the conditions of this approval;</p> <p>(f) standards and performance measures to be applied to the project, and means by which environmental performance can be periodically reviewed and improved (where appropriate), including what actions will be taken to address identified potential adverse environmental impacts. In particular, the following environmental performance issues shall be addressed in the Plan:</p>						

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
	(i) detailed contingency procedures for dealing with: power failures; sewer overflow following failures at the sewage pumping stations and/or during extended periods of wet weather flows; and structural failures in the sewage and recycled water transfer pipeline infrastructure;						
	(ii) noise emissions including measures for regular performance monitoring of noise generated by the project and measures to proactively respond to and deal with noise complaints;						
	(iii) air quality impacts, particularly odour;						
	(iv) operational traffic impacts, particularly during maintenance, and procedures to restore any damage attributable to the project during the operation phase;						
	(v) mosquito control and the potential for algal blooms;			N/A			
	(vi) impacts of operational activities on the Googong Dam and foreshores area, particularly water quality;			Compliant			
	(vii) hazard and safety and emergency management measures including measures to prevent and control bushfires;						
	(g) procedures for the periodic review and update of the Operation Environmental Management Plan as necessary;						

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
	(h) the Management Plans listed under conditions D8 and D9; and (i) the environmental monitoring requirements outlined under this approval. The OEMP shall be submitted for the approval of the Director-General no later than one month prior to the commencement of Operation of the project or within such period as otherwise agreed by the Director-General. Operation activities shall not commence until written approval has been received from the Director-General.						
D8	The Proponent shall prepare and implement a Water Management Plan for the project to manage potential impacts on surface water and groundwater systems during operation of the project. The plan must be prepared in accordance with <i>Australian and New Zealand Guidelines for Fresh and Marine Water Quality</i> (ANZECC & ARMCANZ, 2000), particularly Volume 1, Chapter 5: <i>Guidelines for Recreational Water Quality and Aesthetics</i> and Volume 2, section 8.2.3: <i>Aquatic Ecosystems</i> , and include:	GTPL	Open	Compliant		Condition not applicable to construction of Stage A – Network (west/east). GTPL has prepared a Water Management Plan (WMP) to address this condition and which includes the monitoring programs and plans required by this condition. Baseline monitoring commenced in September 2013.	
D8	(a) a Surface Water Monitoring Program, including:	GTPL	Open	Compliant		Condition not applicable to construction of Stage A – Network (west/east). GTPL has prepared a Water Management Plan that includes a Surface Water and Aquatic Ecology Monitoring Program. Refer to Appendix A of the WMP.	

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
	<p>(i) procedures to obtain detailed baseline data on surface water flows and quality in creeks and other waterbodies that could potentially be affected by the project, including relevant parameters and monitoring locations;</p> <p>(ii) surface water and stream health impact assessment criteria including trigger levels for investigating any potentially adverse surface water impacts and for the supply of compensatory water;</p> <p>(iii) a program to monitor and assess:</p> <ul style="list-style-type: none"> <li>• surface water flows and quality;</li> <li>• impacts on water users;</li> <li>• stream health and habitat; and</li> <li>• channel stability;</li> </ul>						
D8	<p>(b) a Groundwater Monitoring Program, including:</p> <p>(i) detailed baseline data of groundwater levels, yield and quality in the region, and privately-owned groundwater bores, that could be affected by the project;</p> <p>(ii) groundwater impact assessment criteria including trigger levels for investigating any potentially adverse groundwater impacts;</p>	GTPL	Open	Compliant		<p>Condition not applicable to construction of Stage A – Network (west/east).</p> <p>GTPL has prepared a Water Management Plan that includes a Groundwater Monitoring Program. Refer to Appendix B of the WMP.</p>	

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
	(iii) a program to monitor and assess: <ul style="list-style-type: none"> <li>impacts on the groundwater supply of potentially affected landowners;</li> <li>impacts on any groundwater dependent ecosystems and riparian vegetation;</li> </ul>						
D8	(c) a Recycled Water Flow Release Protocol, including: <ul style="list-style-type: none"> <li>(i) recommended discharge rates based on baseline data of receiving waterways and meteorological conditions;</li> <li>(ii) the detailed design and operation specifications for the discharge structure/s;</li> <li>(iii) procedures for the review and amendment of flow release protocols based on the outcomes of monitoring;</li> </ul>	GTPL	Open	Compliant		Condition not applicable to construction of Stage A – Network (west/east). GTPL has prepared a WMP that includes a Recycled Water Flow Release Protocol. Refer to Appendix C of the WMP.	
D8	(d) a Surface and Ground Water Response Plan, including: <ul style="list-style-type: none"> <li>(i) a response protocol for any exceedances of the surface water and groundwater assessment criteria;</li> </ul>	GTPL	Open	Compliant		Condition not applicable to construction of Stage A – Network (west/east). GTPL has prepared a Surface and Ground Water Response Plan. Refer to Appendix D of the WMP.	

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
	<p>(ii) measures to notify and compensate landowners of privately-owned land whose water supply is adversely affected by the project; and</p> <p>(iii) measures to mitigate and/or offset any adverse impacts on waterways, groundwater dependent ecosystems and/or riparian vegetation; and</p>						
D8	<p>(e) an Irrigation Management Plan prepared in accordance with relevant guidelines including <i>Environmental Guidelines: Use of Effluent by Irrigation</i> (DEC, 2004) and <i>National Guidelines for Water Recycling: Managing Health and Environmental Risks</i> (Natural Resource Management Ministerial Council, Environment Protection and Heritage Council and Australian Health Ministers' Conference, 2006), which must:</p> <p>(i) include detailed baseline data of the soil properties of the proposed irrigation areas, including salinity levels and a nutrient budget;</p> <p>(ii) identify any potential off-site risks and impacts and describe measures to minimise any environmental impacts;</p> <p>(iii) include a protocol for the use of recycled effluent for irrigation including application rates and restrictions; and</p> <p>(iv) include a program to monitor areas subject to irrigation.</p>	GTPL	Open	Compliant		<p>Condition not applicable to construction of Stage A – Network (west/east).</p> <p>GTPL has prepared an WMP that includes an Irrigation Management Plan. Refer to Appendix E of the WMP.</p>	

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
D8	The Water Management Plan and sub-plans shall be prepared in consultation with OEH, NOW, NSW Health and DTIRIS (Fisheries), and be submitted to the Director-General for approval by the end of June 2012 and prior to commencing operation of the project, unless otherwise agreed by the Director-General.	GTPL	Open	Compliant		<p>Condition not applicable to construction of Stage A – Network (west/east).</p> <p>An extension for the submission of the WMP to 29 March 2013 was received on 21 September 2012 – see attached correspondence.</p> <p>GTPL has prepared a WMP to address this condition in consultation with OEH, NOW, NSW Health and DTIRIS (Fisheries) – (refer attachment).</p> <p>The WMP was submitted to DP&amp;I for review on 26 March 2013. The WMP has been updated with DP&amp;I comments and will be resubmitted to DP&amp;I for their records. GTPL understands that the WMP can not be formally approved until all baseline monitoring is undertaken and included in the WMP.</p> <p>The WMP will be updated in late 2014, (prior to operation of the Water Recycling Plant) following a year of baseline monitoring and submitted to DP&amp;I for approval.</p>	<p>DP&amp;I WMP extension 21 Sept 2012</p> <p>Agency comments on WMP</p>
D9	<p>The Proponent shall prepare and implement a Pink tail worm lizard protection and management plan for the project to provide and maintain habitat for the Pink-tailed Legless Lizard in accordance with condition B14. This plan must be prepared in consultation with OEH and DSEWPaC, and be submitted to the Director-General for approval by the end of June 2012. The plan must:</p> <p>(a) be prepared or peer reviewed by a suitably qualified ecologist;</p>	GTPL	Open	Compliant	15-Aug-13	<p>GTPL has prepared a Pink-tailed Worm-lizard Protection and Management Plan to address this condition. The Plan was prepared in accordance with condition D9, and was approved by DP&amp;I on 15 August 2013 (refer attachment).</p> <p>This Plan was developed in consultation with Office of Environment and the Department of Sustainability, Environment, Water, Population and Communities (DSEWPaC). See letter of approval from DSEWPaC attached dated 17 July 2012.</p>	<p>PTWL Plan Approval Letter</p> <p>DSEWPaC Pink tail worm lizard protection and management plan approval</p>

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
	(b) be based on the recommendations in the EA and the objectives of the National Recovery Plan for the species;						
	(c) outline the roles and responsibilities of parties that would implement the plan;						
	(d) set out the appropriate objectives, actions and milestones for the Proponent, prior to handing over ownership of this land to Queanbeyan City Council;						
	(e) include: (i) procedures to survey and mark the boundary of the conservation area and a 20 metre buffer zone;						
	(ii) procedures for the establishment and maintenance of boundary fencing, including measures to promote kangaroo grazing;						
	(iii) procedures and success criteria for habitat restoration and weed management;						
	(iv) procedures to control and monitor access and use of the conservation area by domestic and feral animals;						
	(v) a community education program;						
	(vi) procedures to achieve long-term security for the conservation area;						
	(vii) a program to monitor the Pink-tailed Legless Lizard population within the conservation area; and						

CoA	Synopsis of Condition	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
	(viii) a program which sets out milestone dates for achieving the actions and measures in the plan.						
D10	Prior to the commencement of operation of the project, the Proponent shall assess the condition of all public roads and footpaths traversed by construction traffic associated with the project (including over-mass or over-dimensional vehicles) in consultation with the relevant road authorities. Should this assessment identify any damage to roads or footpaths attributable to the project, the Proponent shall repair the damage to the satisfaction of the relevant road authority.	GTPL	Open	Compliant	29-Aug-12	<p>A pre-construction dilapidation survey of Googong Dam Road (including of existing pavement, drainage, road furniture and line markings) was carried out by Brown Consulting on behalf of GTPL in August 2012. A copy of the report was issued to QCC, and can be made available upon request.</p> <p>Partial reconstruction of some sections of road has been undertaken however complete restoration has not been completed as construction works are still under way. It is likely that major restoration works will be delayed until other stages of the IWC Project are also constructed (eg Stage A+B WRP and subdivision works), but partial road restoration will continue as required. Road verges will be restored in accordance with the Landscape Management Plan.</p>	
D11	Prior to the commencement of operation, the Proponent shall submit to the Director-General details of recommendations made by the relevant road authority and how these have been addressed.	GTPL	N/A	N/A	N/A	Operation had not commenced during the reporting period.	
E1	The Proponent shall notify the Director-General and any other relevant agencies of any incident associated with the project as soon as practicable after the Proponent becomes aware of the incident. Within 7 days of becoming aware of the incident, the Proponent shall provide the Director-General and any relevant agencies with a detailed report on the incident.	GTPL and contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works. The Stage A – Network (west/east) CEMP includes notification requirements following incidents. Refer to Section 7.3 of the respective plans. There were no Category one incidents recorded during the reporting period that needed to be reported to DP&I.	

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E2	The Proponent shall meet the requirements of the Director-General to address the cause or impact of any incident, as it relates to this approval, reported in accordance with condition E1 of this approval, within such period as the Director-General may require.	GTPL and contractor	N/A	N/A	N/A	The Director-General did not advise of any requirements during the compliance period as there were no category once incidents during the reporting period.	

**Table 5** Compliance tracking against the Statement of Commitments during the reporting period

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
A1	Avoid impacts on and monitor changes to aquatic ecology.	Aquatic ecology impacts are considered under WQ4.	GTPL	Open	Compliant		Noted.	
		A water quality and aquatic ecology monitoring program will be developed to monitor construction and operation impacts of the Project on waterways (refer to WQ4 for further details). The monitoring program will include siting of the aquatic ecology monitoring location to ensure viable comparison with historical and other recent river ecology data.					Condition not applicable to construction of Stage A – Network (west/east). GTPL has prepared a WMP, as required by CoA D8 that incorporates the requirements of this SoC and SoC WQ4 and includes a Surface Water and Aquatic Ecology Monitoring Program. Refer to Appendix A of the WMP. Collection of baseline data is scheduled for September 2013, which will allow for at least 12 months of monitoring prior to commissioning of the Water Recycling Plant.	
		Riparian vegetation, weeds and invasive scrub will be managed within the Googong township site. This will include surveying, mapping and managing invasive species.					Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Flora and Fauna Management. Refer to Attachment 2 (Weed Management Strategy).	
A2	Minimise impacts on aquatic habitats.	Riparian zones within the Googong township site will be revegetated with species of local providence to increase stability.  Further measures to ensure minimal impact on aquatic habitats are addressed in Statement of Commitments WQ1-WQ5.	GTPL	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Flora and Fauna Management. The Stage A – Network Landscape Management Plan also provides detail on revegetation measures to be implemented as part of Stage A – Network (west/east).	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
AQ1	Ensure detailed design and urban layout of the Googong township meet air quality requirements for odour.	<p>The dispersion modelling undertaken as part of the Googong New Town WRP Odour Impact Assessment will be validated at a later stage in the design, for the ultimate development. This will include consideration of:</p> <ul style="list-style-type: none"> <li>Site-specific meteorological data, collected at the WRP site for at least 12 months prior to commissioning.</li> <li>Site specific odour data collected during and following commissioning, prior to the residential development of the immediate area west of the WRP.</li> </ul>	GTPL	Open	Compliant		<p>Condition not applicable to Stage A – Network (west/east) or operation of Stage A – Network. This condition will apply to construction/operation of Stage A+B WRP.</p> <p>Meteorological data collection at the Water Recycling Plant site commenced in June 2013, which is more than 12 months prior to the scheduled commissioning of the Water Recycling Plant.</p> <p>Condition not applicable to Stage A – Network (west/east) or operation of Stage A – Network.</p>	
AQ2	Minimise odour impacts of WRP and SPS at nearby receivers.	Odour control facilities at the SPSs and the WRP will be installed as detailed in the EA (refer to Sections 4.4.2 and 5.13 of Appendix B).	GTPL and contractor	Open	Compliant		<p>Odour control facilities at SPS1 have been included in the detailed design of Stage A – Network (west). The requirement to construct the odour control facilities is included in the Stage A – Network (west) Air Quality Management Plan.</p> <p>Condition not applicable to Stage A – Network (east), as it does not include sewage infrastructure.</p>	
AQ3	Monitor, verify then act on odour complaints.	Odour complaints will be registered and investigated. Verified odour issues will be addressed with engineering, operational or other mitigation and management measures.	GTPL	Open	Compliant		<p>Condition not applicable to construction of Stage A – Network (west/east).</p> <p>GTPL has prepared an OEMP for Stage A – Network that considers odour risks and complaints.</p>	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
AQ4	Minimise the impact of construction activities on dust generation.	<p>The CEMP will include typical dust suppression measures. Nuisance dust will be minimised by:</p> <ul style="list-style-type: none"> <li>• Reducing speed limits during high dust conditions.</li> <li>• Clearing vegetation and topsoil only within the designated footprint.</li> <li>• Progressive reinstatement of disturbed areas.</li> <li>• Employment of water trucks to reduce dust in dry, windy conditions.</li> </ul>	GTPL and contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Air Quality Management Plan. No dust complaints were received during the reporting period.	
AQ5	Minimise dust generated by construction activities such as blasting.	Blasting will be conducted at appropriate times, with consideration of site conditions and sensitive receivers.	Contractor	Open	Compliant		Air quality impacts associated with blasting will be managed through mitigation measures detailed in the Stage A – Network (west/east) Noise and Vibration Management Plan, Air Quality Management Plan, and the Blast Management Plan. No dust complaints were received during the reporting period.	
AQ6	Manage construction activities according to weather conditions to minimise the potential for dust storms.	Working practices will be modified during periods of high winds by limiting the use of some machinery, particularly when in close proximity to dwellings, and reducing vehicle travel speeds.	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Air Quality Management Plan. No dust complaints were received during the reporting period.	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
AQ7	Avoid adverse impacts on air quality due to smoke.	The burning of material on site will be prohibited, except under the instruction of fire services.	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Air Quality Management Plan. No burning took place on site and no smoke-related complaints were received during the reporting period.	
AQ8	Minimise emissions from vehicle use.	Vehicles will be well maintained to ensure emissions are kept to the minimum practicable.	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Air Quality Management Plan. No air quality complaints were received during the reporting period.	
C1	Put management systems in place for protection of the environment.	A construction environmental management plan (CEMP) will be developed in consultation with relevant agencies to manage the environmental issues assessed in this EA and implement the identified mitigation and management measures where required.	GTPL and contractor	Complete	Compliant	18-Oct-12	A CEMP has been prepared for Stage A – Network (west). The plan was provided to relevant authorities/agencies for comment in June and July 2012. Comments from various agencies and councils were received between July and August 2012.  Comments were addressed and the revised Stage A – Network (west) was submitted to DP&I for approval on 27 July 2012. DP&I approved the CEMP on 18 October 2012 – see attached correspondence.	DP&I CEMP Approval 18 Oct 2012

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
						05-Dec-12	<p>A CEMP has been prepared for Stage A – Network (east). The plan was provided to relevant authorities/agencies for comment in June and July 2012. Comments from various agencies and councils were received between July and August 2012. ACTEW (as the Principal and the future owner operator) were also consulted during development of the Stage A – Network (east) CEMP.</p> <p>Comments were addressed and the revised Stage A – Network (east) was submitted to DP&amp;I. DP&amp;I approved the CEMP on 5 December 2012 – see attached correspondence.</p>	DP&I CEMP Approval 5 December 2012
C2	Minimise impacts on human amenity as a result of construction hours.	Construction work will generally be undertaken between the hours of 6.00am and 7.00pm Monday to Friday, and 8.00am to 1.00pm Saturdays. At all other times, construction noise levels will be as agreed with the relevant receiver(s).	Contractor	Open	Compliant		<p>Compliance with this condition is ongoing throughout Stage A – Network (west) works and will be managed through mitigation measures detailed in the Stage A – Network (west) Noise and Vibration Management Plan.</p> <p>Compliance with this condition is ongoing throughout Stage A – Network (east) works and will be managed through mitigation measures detailed in the Stage A – Network (east) Noise and Vibration Management Plan.</p>	
CS1	Ensure effective consultation with community and other stakeholders is continued.	A combined consultation strategy for community stakeholders and key government agencies will continue to be implemented throughout the Project. The outcomes of ongoing consultation will continue to influence the Project.	GTPL	Open	Compliant		GTPL has prepared a Stage 1 Community Engagement and Stakeholder Management Plan. The actions of this plan have been implemented during the reporting period.	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
CS2	Ensure all affected stakeholders are kept informed of the construction schedule.	During construction, affected communities will be informed prior to the start of any works in their area and will be notified at regular intervals throughout the construction process according to a project-specific community engagement and stakeholder management plan.	GTPL and contractor	Open	Compliant		<p>Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage 1 Community Engagement and Stakeholder Management Plan and Community Information Plan.</p> <p>During the reporting period, notification letters were sent to neighbouring properties, council and emergency authorities prior to blasting activities.</p>	
CS3	Ensure coverage of water cycle issues in the broad community education strategy for the Googong township.	A community education strategy will be developed, which will focus on minimising environmental and human health risks associated with the use of recycled water.	GTPL	Open	Compliant		<p>Condition not applicable to construction of Stage A – Network (west/east).</p> <p>GTPL has prepared a Community Education Strategy for Stage 1 of the Googong Water Cycle Project. This will be implemented prior to and during operation of Stage A+B WRP (ie. when recycled water becomes available for residents in the township.)</p>	
D1	Ensure final location and design of all water cycle infrastructure minimise impacts on natural environment and human health.	Any location and/or design changes will be subject to a consistency assessment, informed through a desktop analysis of each of the environmental issues addressed in this EA.	GTPL	Open	Compliant		<p>Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through the Compliance Tracking Program (CTP) developed to meet CoA A18. The CTP details the commitment to ensure design changes are assessed for consistency with the approved project.</p> <p>There have been four consistency assessments undertaken during the reporting period which were for minor changes in location to the SPS1 overflow, construction compound locations (west/east) and a new truck parking bay at SPS1.</p>	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
D2	Ensure final location and design of all water cycle infrastructure minimise impacts on natural environment and human health.	Where any final location and/or design changes are not generally consistent with the Part 3A approval of the Project, the proponent will apply for modification under Section 75W of the EP&A Act.	GTPL	Open	Compliant		<p>Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through the CTP which details the commitment to ensure design changes are assessed for consistency with the approved project.</p> <p>GTPL submitted an application for a modification to CoA C4 which related to impacts to know heritage items at the GWTP2 site. Options to relocate the Water Recycling Plant to avoid the GWTP2 site was undertaken however the preferred option was found to result in impacts to the site. As such, an application to modify the condition to allow for salvage and relocation of artefacts from the GWTP2 site was approved by DP&amp;I on 22 April 2013.</p>	Modification letter from DP&I
D3	Ensure final location and design of all water cycle infrastructure minimise impacts on natural environment and human health.	The construction and operation of the Project will comply with Queanbeyan City Council's <i>Development Specification – Googong</i> .	GTPL and contractor	Open	Compliant		The Stage A – Network (west/east) CEMPs have been prepared with consideration of the Queanbeyan City Council's Development Construction Specifications. Queanbeyan City Council were provided with a copy of the CEMP for review and found the document to be adequate.	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
F1	Protect native flora and fauna.	A flora and fauna management plan will be prepared prior to construction as part of the CEMP. All feasible and reasonable measures will be undertaken to minimise the impact of construction on native vegetation and fauna including:	GTPL	Complete	Compliant	18-Oct-12	GTPL has prepared a Stage A – Network (west) Flora and Fauna Management Plan in consultation with the following agencies: Queanbeyan City Council, Office of Environment and Heritage and Department of Sustainability, Water, Environment, Population and Communities.	
						05-Dec-12	GTPL has prepared a Stage A – Network (east) Flora and Fauna Management Plan in consultation with the following agencies: Queanbeyan City Council, Office of Environment and Heritage and Department of Sustainability, Water, Environment, Population and Communities.	
		<ul style="list-style-type: none"> <li>Minimising the disturbance of native flora and hollow-bearing trees.</li> </ul>	GTPL and contractor	Open	Compliant	Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Flora and Fauna Management Plan. Ten nest boxes were installed prior to construction for Stage A – Network (west). Thirty-six of the required 46 nest boxes were installed prior to construction for Stage A – Network (east). The strategy states that half of the prescribed nest boxes needed to be installed prior to construction, the remainder could be installed after clearing.		
		<ul style="list-style-type: none"> <li>Implementing weed control measures.</li> </ul>				Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Flora and Fauna Management Plan (Weed and Pest Management Strategy).		

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		<ul style="list-style-type: none"> <li>Revegetating with endemic species.</li> <li>Minimising soil disturbance.</li> <li>Implementing clearing protocols to protect flora and fauna.</li> </ul>					<p>Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Flora and Fauna Management Plan and the Stage A – Network Landscape Management Plan, developed to meet CoA B16.</p> <p>Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Flora and Fauna Management Plan.</p> <p>Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Flora and Fauna Management Plan. Refer to Table 5.1 and Attachment 2 (Vegetation Clearing Procedure).</p>	
F2	Protect threatened flora and fauna.	The Flora and fauna management plan (within the CEMP) will contain specific additional measures for threatened species, including:	GTPL	Complete	Compliant	18-Oct-12	GTPL has prepared a Stage A – Network (west) Flora and Fauna Management Plan in consultation with the following agencies: Queanbeyan City Council, Office of Environment and Heritage and Department of Sustainability, Water, Environment, Population and Communities.	
						05-Dec-12	GTPL has prepared a Stage A – Network (east) Flora and Fauna Management Plan in consultation with the following agencies: Queanbeyan City Council, Office of Environment and Heritage and Department of Sustainability, Water, Environment, Population and Communities.	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		<ul style="list-style-type: none"> <li>Only approved works will be undertaken within 5m of a threatened species and exclusion fencing will be erected around threatened flora species and threatened fauna habitats and maintained in place until such time as construction works are completed, unless otherwise approved by OEH.</li> </ul>	GTPL and contractor	Complete	Compliant		GTPL has prepared a Stage A – Network (west/east) Flora and Fauna Management Plan that details management measures for working in proximity to native vegetation (Flora and fauna constraints maps).	
		<ul style="list-style-type: none"> <li>Site-specific management measures will be implemented for the protection of the Pink-Tailed Worm Lizard near the site proposed for SPS2 and at Hill 800, and for the Hoary Sunray near the BWPS site, including exclusion zones, signage and pre-construction surveys. These works will be undertaken under the supervision of an appropriately qualified ecologist.</li> </ul>		Open			<p>Condition not applicable to construction of Stage A – Network (west).</p> <p>GTPL has prepared a Stage A – Network (east) Flora and Fauna Management Plan that details management measures for working in proximity to Hoary Sunray populations (Flora and fauna constraints maps).</p>	
F3	Protect terrestrial flora and fauna.	An Operational environmental management plan (OEMP) will be prepared for the Project, and implemented. This will detail emergency, spill and maintenance procedures as well as monitoring and reporting regimes as they relate to the protection of terrestrial and aquatic ecology.	GTPL	Open	Compliant		<p>Condition not applicable to construction of Stage A – Network (west/east).</p> <p>GTPL has prepared a draft OEMP for Stage A – Network. Also refer to WMP.</p>	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
G1	Prevent impacts to groundwater recharge.	Timing of trench construction will be monitored and planned to ensure, where practical, the time the trench is open is reduced and during periods of low rainfall.	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Soil and Water Management Plan.	
G2	Minimise groundwater contamination	Site environmental management measures will be developed and outlined in the CEMP with the purpose of minimising the potential for spills to occur and implementing remedial actions (refer to SG1). These will include:	GTPL and contractor	Complete	Compliant		GTPL has prepared a Stage A – Network (west/east) Soil and Water Management Plan that outlines the management measures relating to spills.	
		<ul style="list-style-type: none"> <li>Mapping unregistered nearby groundwater bores, if identified.</li> </ul>					This will be done as part of the baseline monitoring for WMP.	
		<ul style="list-style-type: none"> <li>Ensuring that all refuelling, where possible, occurs at designated fuel distribution points. These points will be underlain by compacted earth to prevent the significant loss of fuel to the ground during a spill and will be bunded to contain large spills.</li> </ul>					GTPL has prepared a Stage A – Network (west/east) Soil and Water Management Plan that outlines the management measures relating to spills.	
G3	Monitor groundwater quality to minimise adverse impacts.	Develop a groundwater monitoring program for the Project in consultation with relevant stakeholders. This program will address the following:	GTPL	Open	Compliant		Condition not applicable to construction of Stage A – Network (west/east). GTPL has prepared a Groundwater Monitoring Program as part of the Water Management Plan in accordance with this SoC and in consultation with relevant stakeholders – refer attached correspondence.	Agency comments on WMP

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		<ul style="list-style-type: none"> <li>The salt levels in groundwater will be regularly monitored during and after Stage 1 of the Project.</li> <li>Groundwater samples will be collected from both the shallow and regional aquifers, and soil conductivity (that is, salt) mapping will be carried out where possible in areas of inferred impact.</li> <li>The monitoring of salt levels in the receiving waters will be indicative of the effectiveness of the stormwater system (refer below).</li> </ul>						
G4	Minimise impact on drainage.	Develop the layout of infrastructure to reduce the impact on natural surface and subsoil drainage.	GTPL	Open	Compliant		The Water Recycling Plant, SPS1 and interim reservoir sites have been designed to minimise earthworks so that the impact natural surface level is minimised. This will in turn minimise the impact on subsoil drainage.	
G5	Minimise the potential for groundwater mounding.	Construct in accordance with the approved materials and provisions of water supply code (WSA) 03-2002 to minimise leakage from water cycle infrastructure.	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Soil and Water Management Plan.	
G6	Minimise the potential for waterlogging.	The risks associated with waterlogging will be considered and accommodated through the design of the drainage system.	GTPL	Open	Compliant		Geotechnical and groundwater assessments have been undertaken to inform the design of the drainage system and minimise risk associated with waterlogging.	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		Irrigation systems will be designed and scheduled to avoid overwatering.					Condition not applicable to construction of Stage A – Network (west/east). An Irrigation Management Plan for communal green space areas that will be irrigated with recycled water has been prepared as part of the Water Management Plan for the project.	
G7	Minimise salinity impacts on soil and plant growth.	Soil monitoring in low-lying areas, where salt is likely to accumulate, will be undertaken. If salt levels were shown to be increasing, engineered drainage structures to nearby creek lines will be constructed.  As a preventative measure, to avoid future bare soil patches and erosion, salt-tolerant landscaping will be used in low-lying areas.	GTPL	Open	N/A  Compliant		Condition not applicable to construction of Stage A – Network (west/east). GTPL has prepared a Water Management Plan that addresses soil monitoring. Soil monitoring will be undertaken prior to commencement of operation of the Water Recycling Plant.  A Landscape Management Plan for Stage A – Network has been prepared with consideration for salt-tolerant landscaping. The Part 4 subdivision works have also had regard for this SoC and salt tolerant plants will be included in the township.	
G8	Further investigate the groundwater environment, potential changes to recharge, and likelihood of long-term impacts.	Undertake the groundwater monitoring program as outlined in Table 12 of this report.	GTPL	Open	Compliant		Condition not applicable to construction of Stage A – Network (west/east). GTPL has prepared a Groundwater Monitoring Program. Refer to Appendix B. Baseline monitoring is scheduled to commence in September 2013.	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
H1	Avoid and/or minimise impacts on indigenous heritage.	Generally, indigenous heritage on the site will be managed in accordance with Appendix G of the EA, including the four identified indigenous heritage sites. The avoidance, relocation or disturbance of any Aboriginal heritage sites and PADs will be in accordance with relevant guidelines and permits. An archaeologist and representatives of the local Aboriginal community will conduct any relocation works.	GTPL and contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Heritage Management Plan. No heritage incidents were recorded during the reporting period. Refer also to CoA C4 for salvage information at the GWTP2 site.	
H2	Protect unknown indigenous heritage.	Should any unknown indigenous heritage items be located during the proposed works by the site environmental officer or any other construction staff, all work will cease in the vicinity of the find until specialist indigenous heritage advice is received.	GTPL and contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Heritage Management Plan. Refer to Table 5.1 (H4) and Attachment 2 (Unexpected Heritage Finds Procedure). No unexpected finds occurred during the reporting period.	
HH1	Ensure recycled water meets all relevant guidelines.	Recycled water will meet the requirements for non-potable domestic use as defined in the <i>Australian Guidelines for Water Recycling: Managing Health and Environmental Risks</i> (NRMMC, EPHC & AHMC, 2006). Recycled water will be appropriately planned and industry accepted management systems put in place to assure appropriate product quality.	GTPL and QCC	N/A	N/A	N/A	Condition not applicable to construction of Stage A – Network (west/east) or operation of Stage A – Network, as the Water Recycling Plant will not be operational and which had also not commenced during the reporting period.  QCC is preparing a Recycled Water Quality Management Plan as part of their application to NSW Office of Water under Section 60 of the Local Government Act 1993, and which will address this commitment.	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
HH2		<p>A Recycled Water Risk Management Plan (RWRMP) will be prepared based on the risk management framework outlined in <i>Australian National Guidelines for Water Recycling – Managing Health and Environmental Risks</i> (2006). This RWRMP will be a living document that will be refined throughout operation of the recycled water scheme. It will involve:</p> <ul style="list-style-type: none"> <li>Developing the RWRMP through hazard identification (for the operation of the recycled water system and use of recycled water).</li> <li>Identifying the significant human and environmental health risks.</li> <li>Conducting validation, operational and verification monitoring to determine the success of the following respective components of the scheme: the risk management system, preventative measures, and the achievement of safe and sustainable water recycling.</li> <li>Completing the RWRMP, based on the monitoring results.</li> </ul>	GTPL and QCC	N/A	N/A	N/A	<p>Condition not applicable to construction of Stage A – Network (west/east) or operation of Stage A – Network, as the Water Recycling Plant will not be operational and which had also not commenced during the reporting period.</p> <p>QCC is preparing a Recycled Water Quality Management Plan as part of their application to NSW Office of Water under Section 60 of the Local Government Act 1993, and which will address this commitment.</p>	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
HH3	Reduce risks associated with exposure to recycled water.	<p>The Proponent will apply the following risk management practices to limit exposures to recycled water:</p> <ul style="list-style-type: none"> <li>• Installation regulations and codes of practice that include systematic processes to reduce the probability of cross-connections.</li> <li>• Materials codes and regulations that easily discriminate drinking and recycled water plumbing.</li> <li>• Regulations that limit the legal installation and modification of plumbing systems to licensed individuals.</li> <li>• Education on recycled water use and the need to avoid creating cross-connections.</li> <li>• Installation of backflow prevention.</li> <li>• Operational checking (that is, testing of recycled effluent quality following treatment) and connection auditing.</li> </ul>	GTPL and QCC	N/A	N/A	N/A	<p>Condition not applicable to construction of Stage A – Network (west/east) or operation of Stage A – Network, as the Water Recycling Plant will not be operational and which had also not commenced during the reporting period.</p> <p>QCC is preparing a Recycled Water Quality Management Plan as part of their application to NSW Office of Water under Section 60 of the Local Government Act 1993, and which will address this commitment.</p>	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		<ul style="list-style-type: none"> <li>Continue to liaise with relevant stakeholders to ensure awareness and understanding of the Project (including discharges of excess recycled water to the environment) and to address arising issues.</li> </ul>						
N1	Minimise the noise impact associated with construction.	Construction noise and vibration management strategies will be outlined in the CEMP. Measures will include the overall construction times (refer to C2) as well as the following:	GTPL	Complete	Compliant	18-Oct-12	GTPL has prepared a Stage A – Network (west) Noise and Vibration Management Plan that details measures to manage noise and vibration impacts in accordance with this commitment. No noise complaints were received during the reporting period.	
		05-Dec-12				GTPL has prepared a Stage A – Network (east) Noise and Vibration Management Plan that details measures to manage noise and vibration impacts in accordance with this commitment. No noise complaints were received during the reporting period.		
		<ul style="list-style-type: none"> <li>Construction noise goals.</li> <li>Liaising with community to advise on likely timing and duration of noisy activities.</li> </ul>						

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		<ul style="list-style-type: none"> <li>Procedures for resolving complaints received from residents and landowners and dealing with exceedances (including the appointment of a liaison person to maintain relationships between the community and the construction contractors in accordance with AS 2436:1981 <i>Guide to noise control on construction, maintenance and demolition sites</i>).</li> <li>Using noise abatement measures (physical and managerial) where reasonable and feasible.</li> <li>Procedures for liaising with the relevant agencies to discuss the need to construct outside of regular hours, for specific cases.</li> </ul>						
N1A	Assess the potential for vibration impacts should blasting be required.	Should blasting at the WRP or SPS sites be necessary based on geotechnical information and construction methodology, a construction vibration assessment will be undertaken in accordance with <i>Assessing Vibration: A Technical Guideline</i> (DECC, 2006) to determine any additional management measures required for blasting activities.	Contractor	Open	Compliant		Blasting for Stage A – Network (west/east) is being managed through mitigation measures detailed in the Stage A – Network (west/east) Noise and Vibration Management Plan and the Blast Management Plans. Monitoring did not show any exceedances of blast criteria during the reporting period (refer also to CoA C12).	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
N2	Meet noise requirements near the WRP site boundary during operations.	The acoustic treatments specified for the WRP components, as outlined in Appendix J, will be implemented and then reviewed for effectiveness following noise measurement verification.	GTPL	N/A	N/A	N/A	Condition not applicable to construction of Stage A – Network (west/east) or operation of Stage A – Network, as the Water Recycling Plant will not be operational and which had also not commenced during the reporting period.	
NH1	Avoid and/or minimise impacts on non-indigenous heritage.	Generally, non-indigenous heritage on the site will be managed in accordance with Appendix G of the EA.  Construction and maintenance activities will be managed to avoid structural damage on heritage items as a result of vibration.  Construction activities will be excluded from the identified heritage sites. However, if impacts are unavoidable then a further heritage assessment of the impacted site(s) will be conducted.	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Heritage Management Plan. There were no heritage incidents recorded during the reporting period.	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
NH2	Continue to investigate heritage values of site GH14 (refer to Section 7.3 of Appendix G of the EA).	Investigation into the value of site GH14 is continuing. The results of this study will inform the approach to mitigation of impacts to non-indigenous heritage.	GTPL	Open	Compliant		<p>Condition not applicable to construction of Stage A – Network (west/east) or operation of Stage A – Network as work will not impact on site GH14.</p> <p>GTPL has however completed excavation works at this site, carried out under a S146 permit under the NSW <i>Heritage Act 1977</i> for Googong township subdivision works undertaken under Part 4 of the EP&amp;A Act. The site has been excavated as per the Part 4 approval and is currently been stored in a container. The structure will be re-built when the subdivision works is completed.</p>	
NH3	Protect unknown non-indigenous heritage items.	If any material of potential archaeological significance is unearthed, work will cease in the vicinity of the find until specialist heritage advice has been obtained. The NSW Heritage Council will be notified of the discovery of any relics.	GTPL and contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Heritage Management Plan. No unexpected finds occurred during the reporting period.	
OP1	Ensure comprehensive monitoring of operation of the water cycle.	<p>Establishment and location details for monitoring sites will be in accordance with WQ4. Results of all monitoring programs that form part of these Statement of Commitments will be considered in terms of overall environmental impact on a regular basis, including:</p> <ul style="list-style-type: none"> <li>The trade-off between potable water savings, reduction in stormwater discharges and increased recycled water discharges.</li> </ul>	GTPL	Open	Compliant		<p>Condition not applicable to construction of Stage A – Network (west/east).</p> <p>GTPL has prepared a Water Management Plan for the project to meet this condition (refer CoA D8) including Surface Water and Aquatic Ecology Monitoring Program of the WMP detailing monitoring sites. Also refer CoA D8.</p>	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		<ul style="list-style-type: none"> <li>Relative impacts of excess recycled water discharges compared to impacts on soil and groundwater from recycled water uses.</li> <li>The timeframe for relative comparisons of impacts of components of the water cycle will be determined in consultation with the relevant government agencies.</li> <li>The ability to feedback results for further stages of Googong township.</li> </ul>						
OP2	Ensure comprehensive monitoring of operation of the water cycle.	Telemetry will be installed on all major water cycle infrastructure to gather operational data.	GTPL	Open	Compliant		<p>Telemetry has been installed at the BWPS, interim reservoirs and SPS1 during construction.</p> <p>GTPL has prepared an OEMP for Stage A – Network that outlines requirements to obtain operational data from the telemetry.</p>	
OP3	Adaptive management	Management plans will be reviewed with consideration of the outcomes of monitoring programs:	GTPL	Open	Compliant		<p>Condition not applicable to construction of Stage A – Network (west/east).</p> <p>GTPL has prepared an OEMP for Stage A – Network and WMP that includes information about the review of management plans and adaptive management.</p>	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		<ul style="list-style-type: none"> <li>Additional management and mitigation measures will be implemented, should monitoring identify that the water cycle system is operating outside of modelled or expected parameters.</li> </ul>						
R1	Manage the operational risks associated with storage and delivery of chemicals.	<p>Measures typical of facilities of the nature and size of the Project will include:</p> <ul style="list-style-type: none"> <li>Storing relevant chemicals below threshold quantity levels.</li> <li>Undertaking activities in accordance with relevant MSDS's.</li> <li>Installing bunded areas for the storage and delivery of chemicals in accordance with AS 3780:2008. <i>The storage and handling of corrosive substances</i> and the relevant MSDS's.</li> <li>Developing and implementing appropriate procedures for delivery, handling and accidental spills of chemicals.</li> </ul>	GTPL and contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Hazard, Risk and Safety Management Plan.	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
R2	Manage risks in emergency and/or maintenance situations at the key infrastructure.	<p>The OEMP and RWRMP will outline the management of emergency situations for all key water cycle infrastructure. For emergency or maintenance events associated with the WRP, the following will be implemented/installed, and will include measures such as:</p> <ul style="list-style-type: none"> <li>• Telemetry at all key infrastructure (eg SCADA).</li> <li>• An alarm system.</li> <li>• Backup procedures should the power to infrastructure be interrupted.</li> <li>• First flush tank at the WRP and wet well emergency storage at the SPS's.</li> <li>• Overflows at the WRP and the SPS's.</li> </ul>	GTPL, QCC and ACTEW	Open	Compliant		<p>Condition not applicable to construction of Stage A – Network (west/east).</p> <p>GTPL has prepared an Operation Environmental Management Plan for Stage A – Network that includes information about emergency situations as required by this condition.</p> <p>In addition, QCC are preparing a Recycled Water Quality Management Plan as part of their application to NSW Office of Water under Section 60 of the <i>Local Government Act 1993</i>, which will address this condition.</p>	
S1	Ensure proper management of soils.	Soil and water management plans will be developed and implemented for the construction phase, via the CEMP, in accordance with <i>Managing urban stormwater: soils and construction, Volume 1</i> (the 'Blue book').	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Soil and Water Management Plan.	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		Soil types will be identified and delineated within the study area. Soil management measures will be developed according to soil type and be documented in the CEMP.						
S2	Prevent soil erosion and minimise loss of topsoil.	<p>The CEMP will detail erosion and sedimentation control measures, to maintain surface and soil stability at all times during cut and fill excavation activities (also necessary to ensure site safety).</p> <p>Graded soil will be stockpiled separately so that local soils can be recovered for respreading. During restoration and cleanup, the following will be applied in relation to stabilisation of soils:</p> <ul style="list-style-type: none"> <li>• Reprofiling of the site to achieve soil stability and congruity with the surrounding landscape. This will be done in consideration of the landscape and open space strategy (LOSS) for the Googong township.</li> <li>• Reseeding and the use of geotextile materials as required.</li> </ul>	GTPL and contractor	Complete	Compliant	<p>18-Oct-12</p> <p>05-Dec-12</p>	<p>GTPL has prepared a Stage A – Network (west) Soil and Water Management Plan that outlines the management measures for erosion and sedimentation control in accordance with this commitment.</p> <p>GTPL has prepared a Stage A – Network (east) Soil and Water Management Plan that outlines the management measures for erosion and sedimentation control in accordance with this commitment.</p>	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		<ul style="list-style-type: none"> <li>Backfilling of trenches in layers with compaction.</li> <li>Management and exclusion of site access to assist with site recovery.</li> </ul>						
S3	Prevent and manage spills.	<p>To prevent and manage spills, the proponent will:</p> <ul style="list-style-type: none"> <li>Implement chemical transport, storage, handling and disposal procedures, in accordance with requirements for dangerous goods, of environmental legislation and industry standards.</li> <li>Ensure spill response procedures and equipment for containment and recovery are available on site.</li> </ul>	Contractor	Open	Compliant		<p>Compliance with this condition is ongoing throughout Stage A – Network (west) works and will be managed through mitigation measures detailed in the Stage A – Network (west) Soil and Water Management Plan. Only one oil spill (category two) was recorded during the reporting period. Refer Section 5 of the Compliance Tracking Report for more detail.</p> <p>Compliance with this condition is ongoing throughout Stage A – Network (east) works and will be managed through mitigation measures detailed in the Stage A – Network (east) Soil and Water Management Plan. Only one oil spill (category two) was recorded during the reporting period. Refer Section 5 of the Compliance Tracking Report for more detail.</p>	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		<ul style="list-style-type: none"> <li>Conduct workforce training on the transport, storage, handling and disposal procedures relating to chemicals.</li> </ul>						
S4	Manage potential and/or real soil contamination on site.	To manage soil contamination, the proponent will:	GTPL and contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Soil and Water Management Plan.	
		<ul style="list-style-type: none"> <li>Manage contaminated soil disposal or removal from site in accordance with <i>OEH Waste Classification Guidelines</i>.</li> </ul>						
		<ul style="list-style-type: none"> <li>Conduct further investigations at the newly identified area of concern (AEC – identified as Site 3 in Section 9.3.5 of the EA) prior to construction. An OEH accredited site auditor will provide advice on the need for further investigations at AEC3, if it is to be disturbed by the Project.</li> </ul>		Complete	Compliant	09-Aug-12	GTPL has investigated the presence and extent of potential soil contamination for Stage A – Network. A site survey was carried out by Geotechnique on 19 and 20 July 2012. No sites of potential contamination were identified in the area of work for Stage A – Network (west/east).	Geotechnique report
		<ul style="list-style-type: none"> <li>Develop a sampling strategy for AEC2 (shown in Section 9.3.5 of the EA) as soon as the existing uses at the site cease, in consultation with a OEH accredited site auditor.</li> </ul>		N/A	N/A	N/A	The contamination assessment found that given the AEC was away from the Stage A – Network sites that a desktop study and walkover/site inspection of the subject site would be sufficient at this stage.	Geotechnique report

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		If potential or actual contamination is found during earthworks, stop all work in the affected area until a suitably qualified person has inspected the site, the hazard has been assessed and appropriate action has been taken (including delineating areas of concern as required until earthworks can resume safely).		Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Soil and Water Management Plan. No contamination was encountered for construction of Stage A – Network (west/east) during the reporting period.	
S5	Ensure minimal impact on soil salinity and groundwater quality.	<p>Ensure that appropriate materials are used to mitigate against the corrosive impacts of high salinity.</p> <p>Design, where possible, the salt sensitive urban stormwater drainage system to direct potential saline runoff to a water body that is able to assimilate the expected salt load being applied to the landscape, without adverse impacts on aquatic and riparian ecosystems. Place and design built structures in consideration of existing and potential soil salinity levels.</p>	GTPL	N/A	N/A	N/A	<p>Condition not applicable to construction of Stage A – Network (west/east) or operation of Stage A – Network.</p> <p>This condition will be met during detailed design and construction phases of Stage A+B WRP.</p> <p>Condition not applicable to construction of Stage A – Network (west/east).</p> <p>This condition will be met during detailed design phase for the stormwater ponds as part of the Part 4 subdivision works.</p>	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		<p>The proposed WRP should be designed to minimise the need for additions of chemicals for phosphorus removal, to minimise salt loading. The Proponent will explore options to switch off the phosphorus removal process during peak irrigation demand periods in accordance with Statement of Commitment OP1.</p> <p>Early stages of Googong township will be used as a trial to better understand the movement of salt in the landscape. It will involve the installation of carefully located piezometers and the monitoring of results, as well as monitoring the effectiveness of pre-emptive measures such as any subsurface drainage system. The results will be used to improve strategies for ensuing stages.</p> <p>Recycled water users will be informed of the specific risks associated with irrigation with recycled water, in the context of developing a complete awareness of the Project and its environmental trade-offs. This will include:</p> <ul style="list-style-type: none"> <li>• Education on salinity impacts on soil and plant damage and regrowth.</li> </ul>					<p>Condition not applicable to construction of Stage A – Network (west/east). This condition will be met during detailed design phase for the Water Recycling Plant and implementation of the Water Management Plan (as per CoA D8) that has been prepared but will be updated prior to operation of the Water Recycling Plant.</p> <p>Condition not applicable to construction of Stage A – Network (west/east). GTPPL has prepared an Irrigation Management Plan, as part of the Water Management Plan to address this condition. Refer to Appendix E of the WMP.</p> <p>Condition not applicable to construction of Stage A – Network (west/east) or operation of Stage A – Network as WRP will not be operational. GTPPL has prepared a Community Education Strategy for Stage 1 of the Googong Water Cycle Project. This will be implemented prior to operation of the Water Recycling Plant (ie when recycled water becomes available for residents within Googong).</p>	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		<ul style="list-style-type: none"> <li>Encouragement to grow salt-tolerant species, particularly in areas considered to be of high risk.</li> </ul> <p>Householders will be educated on the benefits of using detergents that are low in phosphorus, sodium and salt – in terms of the impact on recycled water quality. This will form part of the broad community education program.</p>						
T1	Minimise disturbance to local traffic and amenity during construction.	<p>A traffic management plan will be prepared prior to the commencement of construction. It will detail traffic arrangements for the construction phase of the Project. This will include:</p> <ul style="list-style-type: none"> <li>The use of standard mitigation and management controls.</li> <li>Planning of vehicle use to maximise efficiency and reduce vehicle trips.</li> </ul>	GTPL and contractor	Complete	Compliant	18-Oct-12	GTPL has prepared a Stage A – Network (west) Traffic Management Protocol in consultation with the following agencies: Queanbeyan City Council, Palerang Council, Roads and Maritime Services.	
						05-Dec-12	GTPL has prepared a Stage A – Network (east) Traffic Management Protocol in consultation with the following agencies: Queanbeyan City Council, Palerang Council, Roads and Maritime Services.	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		<ul style="list-style-type: none"> <li>An education program for construction personnel in relation to local traffic arrangements (as per the plan) and local conditions (such as the intersection of Googong Dam Road and Old Cooma Road).</li> <li>Access to properties and provisions for temporary access.</li> </ul> <p>A traffic control contractor will be engaged to implement the traffic management plan (such as partial road closures), where necessary specialist advice is required.</p>						
T2	Manage traffic, transportation and access with local authorities.	Traffic, transportation and access will be managed in consultation with relevant stakeholders, including Queanbeyan City Council and the RTA, including impact mitigation and management measures to address partial road closures, access to properties and provisions for temporary access and re-instatement.	GTPL and contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Traffic Management Plan.	
T3	Minimise the impact of transportation.	Any oversized or overweight loads will be transported in accordance with RTA guidelines and requirements.	Contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Traffic Management Plan.	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
T4	Minimise impact of traffic and access on stakeholders and the local community.	Councils, property owners and local community members will be informed of any potential loss of or disruption to access to properties, roads and/or pathways. Appropriate temporary measures to either provide alternative access or to reinstate access at the end of each workday will be negotiated with relevant parties.	GTPL and contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Traffic Management Plan.	
T5	Manage operational traffic, transportation and access to minimise impacts on local conditions.	<p>A Traffic management plan will be prepared for the operation and maintenance of key water cycle infrastructure, which will include:</p> <ul style="list-style-type: none"> <li>• Standard management and mitigation measures for managing vehicle movements at water cycle infrastructure sites.</li> <li>• Timing of truck movements for deliveries and disposal, and parking arrangements.</li> </ul>	GTPL and contractor	Open	Compliant		Condition not applicable to construction of Stage A – Network (west/east).	
V1	Minimise visual impact by maintaining existing vegetation where practical.	<p>At relevant sites, existing vegetation will be maintained where practical and where appropriate.</p> <p>Additional vegetation will be planted along site boundaries to obscure views of infrastructure from sensitive receivers.</p>	GTPL and contractor	Open	Compliant		Compliance with this condition is ongoing throughout Stage A – Network (west/east) works and will be managed through mitigation measures detailed in the Stage A – Network (west/east) Flora and Fauna Management.	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
V2	Minimise the visual impact of the reservoirs and access road (located on Hill 800).	<p>Visual impact of the reservoirs will be minimised through painting the structures a colour that will be chosen as the most compatible and/or appropriate with the surrounding environment and proposed Googong township.</p> <p>The landscaping approach for the reservoirs and associated access road will ensure minimal visual impact by:</p> <ul style="list-style-type: none"> <li>Achieving the most appropriate finished landform profile of the top of the hill that integrates the reservoirs.</li> <li>Detailing siting and design of any elements over and above the reservoirs to minimise visibility (eg plant equipment, fencing, signage and lighting).</li> <li>Ensure the access road alignment is a careful balance of limited visible road profile and minimised cutting/embankment visibility where following contours.</li> <li>Considering the location and extent of tree groups to best mitigate visual impacts.</li> </ul>	GTPL	N/A	N/A	N/A	Condition not applicable to Stage 1 (ie Stage A and B). This condition will be met during detailed design phase of the permanent reservoirs (Stage C/D).	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		<ul style="list-style-type: none"> <li>Considering soil and microclimate factors and amelioration to ensure healthy and rapid tree growth.</li> </ul>						
W1	Practice responsible resource management during construction.	The CEMP will address the principles of the resource management hierarchy (avoidance, resource recovery and disposal in that order) and disposal will be to a licensed waste facility. The CEMP will include the following:	GTPL and contractor	Complete	Compliant	18-Oct-12	GTPL has prepared a Stage A – Network (west) Waste and Resource Management Plan that outlines the principles of the resource management hierarchy. No waste management issues were recorded during the reporting period.	
		05-Dec-12				GTPL has prepared a Stage A – Network (east) Waste and Resource Management Plan that outlines the principles of the resource management hierarchy. No waste management issues were recorded during the reporting period.		
		<ul style="list-style-type: none"> <li>Procedures to classify waste types in accordance with the Waste Classification Guidelines and NSW legislative requirements.</li> <li>Resource recovery and re-use strategies for each waste type.</li> <li>Details of treatment and storage of on-site waste.</li> <li>Procedures and disposal arrangements for relevant materials.</li> </ul>						

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		<ul style="list-style-type: none"> <li>Reporting and recording requirements for all waste movements, allowing determination of recycling and re-use levels achieved.</li> </ul>						
W2	Practice responsible resource management during operation.	<p>Operational management of wastes will be incorporated into the OEMP for the key sites. Some inclusions are procedures for:</p> <ul style="list-style-type: none"> <li>The collection and transportation of grit and screenings from the WRP to an appropriately licensed facility.</li> <li>Treatment and handling of biosolids, suitable for use in agriculture, forestry, soil and site rehabilitation (Grade B), in accordance with OEH's <i>Environmental Guidelines on the Use and Disposal of Biosolids Products (2007)</i>.</li> <li>Management and monitoring of the discharge of treated effluent (recycled water) during commissioning and verification phases of the WRP operation.</li> </ul>	GTPL	N/A	N/A	N/A	Condition not applicable to construction of Stage A – Network (east/west). Operation of Stage A – Network had not commenced during the reporting period.	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		<ul style="list-style-type: none"> <li>Waste management for putrescible and recyclable wastes generated from the WRP and other water cycle infrastructure.</li> <li>Procedures for the collection and dewatering of any solid matter removed through maintenance activities of water cycle infrastructure, and transportation and disposal off site.</li> <li>Vehicle routes, and the timing of trips, associated with waste management, in consideration of the traffic management plan.</li> </ul>						
WQ1	Implement water quality and hydrology management procedures.	To reduce risks associated with water quality, soil and water management plans will be developed and implemented for the construction phase, via the CEMP, in accordance with <i>Managing urban stormwater: soils and construction, Volume 1</i> (the Blue book).	GTPL and contractor	Complete	Compliant	18-Oct-12	GTPL has prepared a Stage A – Network (west) Soil and Water Management Plan that outlines the management measures for erosion and sedimentation control.	
						05-Dec-12	GTPL has prepared a Stage A – Network (east) Soil and Water Management Plan that outlines the management measures for erosion and sedimentation control.	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
WQ2	Minimise the risk of surface water contamination.	A spill management and response procedures will be developed in the CEMP for the construction phase of the Project. These will specify that:	GTPL and contractor	Complete	Compliant	18-Oct-12	GTPL has prepared a Stage A – Network (west) Soil and Water Management Plan that outlines the spill management response in accordance with this commitment.	
		05-Dec-12				GTPL has prepared a Stage A – Network (east) Soil and Water Management Plan that outlines the spill management response in accordance with this commitment.		
		<ul style="list-style-type: none"> <li>Any fuels and chemicals will be stored to meet relevant standards in bunded or contained areas and a spill kit will be provided at all locations where fuels and/or chemicals are used.</li> <li>Fuel and chemical storage sites will not be located in the vicinity of any permanent and/or flowing waterway.</li> <li>The maintenance or refuelling of equipment will not be undertaken within the vicinity (within 150m) of any waterway.</li> </ul>						
WQ3	Ensure bank stabilisation in construction sites.	The CEMP will incorporate measures to ensure that creek banks are stabilised during the construction phase, such as:	GTPL and contractor	Complete	Compliant	18-Oct-12	GTPL has prepared a Stage A – Network (west) Soil and Water Management Plan that outlines the measures to stabilise creek banks.	
						05-Dec-12	GTPL has prepared a Stage A – Network (east) Soil and Water Management Plan that outlines the measures to stabilise creek banks.	

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		<ul style="list-style-type: none"> <li>Stabilising where required by establishing rocks, sandbags/ matting to prevent scouring, ensuring that they are placed to conform as far as possible with existing contours.</li> <li>Respreading topsoil over the area from where it was removed.</li> </ul>						
WQ4	Monitor impacts on waterways.	<p>A monitoring program to assess the potential impacts of the Project on the Queanbeyan River (including water quality, flow, fish migration, macrophytes and macro invertebrate communities) will be undertaken.</p> <ul style="list-style-type: none"> <li>Details of the monitoring program will be determined in consultation with relevant government authorities/stakeholders (including the OEH, DPI and, potentially, ACTEW Corporation). Such consultation will ensure the sharing of available data for the Queanbeyan River for comparative and impact assessment purposes.</li> </ul>	GTPL	Open	Compliant		<p>Condition not applicable to construction of Stage A – Network (west/east). GTPL has prepared a Surface Water and Aquatic Ecology Monitoring Program as part of the Water Management Plan (refer CoA D8).</p> <p>Condition not applicable to construction of Stage A – Network (west/east). The WMP was developed in consultation with the stakeholders listed in this condition – refer attached correspondence.</p>	<p>Agency comments on WMP</p>

SoC	Objective	Commitment	Responsibility	Status	Compliance with condition during reporting period	Completion Date	Comment	Verification
		<ul style="list-style-type: none"> <li>A new monitoring site within the Queanbeyan River is proposed to measure water quality and aquatic ecology impacts over the medium term. This site will be located near the confluence of Googong Creek and Queanbeyan River (and will be sited to enable comparison with data collected from upstream and downstream sites).</li> <li>Monitoring will commence approximately 12 months prior to commissioning the water recycling plant.</li> </ul>					<p>The WMP was send to DP&amp;I for review on 26 March 2013 and surface/groundwater monitoring is scheduled to commence in September 2013 to allow for 12 months of monitoring prior to operation of the Water Recycling Plan. The WMP will be updated with the monitoring results and submitted to DP&amp;I for approval, prior to operation of the Water Recycling Plant.</p> <p>Monitoring is scheduled to commence in September 2013.</p>	
WQ5		The operation environmental management plan (OEMP) will outline erosion and sediment control measures to protect buffer and riparian vegetation zones, in general accordance with Statement of Commitment WQ3.	GTPL	N/A	N/A	N/A	Condition not applicable to construction of Stage A – Network (west/east). Operation of Stage A – Network had not commenced during the reporting period.	