

Independent Environmental Representative Environmental Audit Report

BULK WATER ALLIANCE

MURRUMBIDGEE TO GOOGONG WATER TRANSFER

4TH AUDIT (APPROVALS, LICENCES AND PERMITS COMPLIANCE)

DECEMBER 2011

ngh environmental



Independent Environmental Representative

Audit Report Number: 4 (Approvals, Licences and Permits Compliance)



AUDITED ORGANISATION	PROJECT
Bulk Water Alliance	Murrumbidgee to Googong Water Transfer Project
ADDRESS	CONTACT DETAILS
Angle Crossing Road Williamsdale	John Turville (02) 6175 2369
DEPTH OF AUDIT	SCOPE OF AUDIT
Environmental	Construction-phase Approvals, Licences and Permits
DATE OF AUDIT	AUDIT CRITERIA
14 th and 15 th December 2011	NSW, ACT and Commonwealth Approvals, Licences and Permits
PERSONS CONTACTED	AUDIT TEAM
John Turville – M2G Land and Compliance Manager Simon Webber – Project Manager	Erwin Budde, NGH Environmental – Lead auditor
PREVIOUS AUDIT DATE	PREVIOUS AUDIT REFERENCE
April, June, September 2011	nghenvironmental (April, June, September 2011)

AUDIT SUMMARY

Environment:

This was the fourth audit of the construction phase of the Murrumbidgee to Googong Water Transfer Project by the Independent Environmental Representative. It involved an audit of compliance against the projects conditions of approval, licences and permits issued by state and federal government authorities.

The audit included a site inspection, interviews, and a desktop-based review of records and plans. Site evidence collected during previous inspections by the Environmental Representative was also used. The focus was on construction phase requirements.

The audit found general compliance with the project's approvals, licences and permits was being achieved and maintained. Baseline geomorphological, water quality and aquatic ecology monitoring was being conducted. Compliance with construction-related conditions was in general very good.

A number of areas of improvement were identified relating to both systems and document management. Three (3) Observations of Concern and three (3) Opportunities for Improvement are raised.

Signed:



Lead Auditor

Date: 17th February 2012

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1. REPORT SUMMARY

1.1 INTRODUCTION

This audit represents the fourth (4th) independent environmental representative audit conducted of the M2G project to date.

At the time of the audit, the following works were being undertaken:

- Pipeline construction east of Gibraltar Gap in NSW
- Pipeline construction from the Low Lift to the High Lift Pump Stations
- Building works on the High Lift Pump Station
- Building works on the mini-hydro

1.2 SCOPE OF AUDIT

The scope for this audit was compliance with the project's conditions of approvals, licences and permits across all three jurisdictions (NSW, ACT and Commonwealth) during the audit period (July 2011 to December 2011). There was a focus on construction-phase conditions given that pre-construction compliance has been previously reported (Pre-construction Compliance Report, December 2010). The following approvals, licences and permits were audited:

- NSW DoP Project Approval
- ACTPLA Notice of Decision
- DSEWPC Project Approval
- NSW DECCW EPL
- NSW Office of Water Permit
- ACT Environmental Authorisation(s)
- ACT Environmental Protection Agreement
- ACT Temporary Possession of Land
- ACT Licences to Take
- ACT Exemption for a Licence to Take Water
- ACT Water Works Licence
- ACT Heritage Council Heritage Advice

1.3 SUMMARY OF CORRECTIVE ACTIONS

No Corrective Actions were issued.

1.4 SUMMARY OF OBSERVATIONS OF CONCERN

The following Observations of Concern (OoC) were identified and explained to BWA during the audit Closing Meeting. They are considered to be deficiencies in meeting specified requirements.

OoC No.	Section of Report	Details
1		Fire Danger Rating signs have not been installed at the locations committed to in the Bushfire Management Plan (ACT CoA B13 and Table 2.3 of the BMP).
2		A robust system for ensuring water is not taken from Burra Creek for construction activities unless there is visible flow in the Creek is not in place (NoW Permit Condition 1). This was raised as an Opportunity for Improvement (OFI) in the June 2011 audit.
3		The ACT EPA should be asked to endorse Peter Sheehan's qualifications with regards to noise measuring. This was raised as an OFI in the June 2011 audit (ACT Environmental Authorisation Condition 18).

1.5 SUMMARY OF OPPORTUNITIES FOR IMPROVEMENT

The following Opportunities for Improvement (Ofi) were explained to BWA during the audit Closing Meeting. They are considered to be suggestions for improvements to better meet specified requirements.

Ofi No.	Section of Report	Details
1		No records of unauthorised out of hours work on (8/12/11) were maintained. It is recommended a refresher training session be held to remind staff of their obligations to report such events.
2		The 6-monthly Compliance Report has not been uploaded onto the website.
3		Additional awareness training is suggested to improve BWA driver behaviour on Williamsdale Road and reduce community concerns.

2 AUDIT PROCESS

2.1 OPENING MEETING

An opening meeting was held on the morning of the 14th December, attended by John Turville, Brigid McCarthy and Peter Sheehan.

2.2 CLOSING MEETING

A closing meeting was held in the afternoon of the 15th December, attended by John Turville, Brigid McCarthy and Krystal Enright.

2.3 SITE INSPECTION

A site inspection was conducted on the morning of the 14th December. In attendance were John Turville, Peter Sheehan, Brigid McCarthy, representatives from the ACT EPA and various BWA staff. Site evidence gathered from previous inspections undertaken by the Environmental Representative was also used in completing this audit.

2.4 DESIGNATED FOLLOW-UP

A follow-up of the audit findings will be managed by the M2G Land and Compliance Manager to verify the completion of all corrective actions. The next IER Audit will be conducted in 3 months.

2.5 PREVIOUS ENVIRONMENTAL AUDIT

A review of the recommendations from the previous IER audit conducted in June 2011 was undertaken.

3 DETAILS OF AUDIT FINDINGS

This section details the findings of the audit report. It only details those findings requiring action. For complete details of the findings of the Audit, refer to the completed Audit Protocol contained in Appendix A.

3.1 PREVIOUS AUDITS

CONDITIONS OF APPROVAL AUDIT – JUNE 2011

An audit of compliance against the projects Conditions of Approval (NSW, ACT and Commonwealth) was undertaken by the ER in June 2011. The results are documented in an audit report (nghenvironmental June 2011).

Table 3-1: Summary of Audit Status (June 2011)

No	Details	Status	Comments
Corrective Action Requests (CARs)			
None raised.			
Observations of Concern (OOC)			
1	Audit reports and reports on compliance were not present on the website.	Closed	Files have been uploaded to the public website.
2	PCL TAMS has not endorsed the EWMS's being prepared by BWA. Brett McNamara, Parks Conservation Service (PCS) has not been followed up with regards to the recent EWMS's being prepared.	Closed	BWA have corresponded with PCS and submitted several EWMS's for their information.
Opportunities for Improvement (OFIs)			
1	A robust system for ensuring water is not taken from Burra Creek for construction activities unless there is visible flow in the Creek is not in place.	Open	Not actioned. Raised as an OOC in the current audit.
2	The EPA should be asked to endorse Peter Sheehan's qualifications with regards to noise measuring.	Open	Not actioned. Raised as an OOC in the current audit.

CEMP IMPLEMENTATION AUDIT – SEPTEMBER 2011

Table 3-2 identifies the findings of the previous audit (September 2011), and the status of these findings at the time of the current audit. Items which were not reviewed in this audit will be reviewed at the next CEMP implementation audit in March 2012.

Table 3-2: Status of Audit Findings (September 2011)

No	Details	Status	Comments
Corrective Action Requests (CARs)			
None raised.			
Observations of Concern (OOC)			
1	Waste Register is confusing, not controlled and poorly detailed.	Not reviewed	
Opportunities for Improvement (OFIs)			
1	SWMP and EWMS's could be updated/improved to better reflect the record keeping being undertaken for soil and water management.	Not reviewed	
2	Contingency planning for waterway crossings	Not reviewed	
3	EWMS improvements to include more waste management measures/strategies	Not reviewed	
4	Signage of bins at compounds	Closed	Signage has improved
5	The waste tracking system could be improved to better address the targets contained in Tables 6.3 and 6.4 of the WMP.	Not reviewed	
6	The WMP could be updated to reflect actual practices in relation to external inspection findings.	Not reviewed	
7	Internal Audit Reports could be improved to better address the requirements of the 'Auditing' sections of the CEMP (generally sections 8 or 9).	Not reviewed	

3.2 NSW DEPARTMENT OF PLANNING APPROVAL

3.2.1 Conditions 1.1-1.6 – Administrative Conditions

No non-compliances were evident in relation to the conditions in this section.

3.2.2 Conditions 2.1-2.5 – Soil and Water Quality Impacts

No non-compliances were evident in relation to the conditions in this section.

One incident occurred during the reporting period which was notified to the NSW Office of Environment and Heritage (OEH). No action was taken by OEH.

Construction works within Burra Creek had been completed. Bank stability is good, with rock used on both banks of Burra Creek in the vicinity of the discharge point.

3.2.3 Conditions 2.6-2.10 – Ecological Impacts-Terrestrial

No non-compliances were evident in relation to the conditions in this section. Generally, ecological impacts were found to have been managed in accordance with the Approval and with industry best practice

techniques. Threatened plant species were being protected and avoided, and trees not directly impacted by the project, but within the easement/works areas, had been retained and were being protected.

Clearing minimisation continues to occur. Evidence can be seen through Gibraltar Gap where significant trees were left in place and minor pipeline re-routing occurred to avoid native vegetation.

3.2.4 *Conditions 2.11-2.12 – Ecological Impacts-Aquatic*

Compliance with these conditions was found to be good. Baseline aquatic ecology monitoring is occurring through the engagement of a subcontractor.

3.2.5 *Conditions 2.13-2.15 – Noise Impacts*

Works were conducted up to 7pm on 8/12/11 to complete a major waterway crossing before impending rain. The PM was aware of the need to extend working hours, but did not inform BWA environment and community staff. A residence informed the Community Manager that work had taken place outside of standard working hours. An OFI has been raised and relates to the lack of documentation maintained during the incident, and the need for refresher training to all staff about the protocol for after-hours works. **OPPORTUNITY FOR IMPROVEMENT 01** is raised in relation to lack of communication between the site staff and environment and community staff, and the lack of record keeping in relation to the incident.

Approval from DoP to complete out-of-hours works was sought and obtained for works on Williamsdale Road prior to works commencing. An extension to this was sought and approval granted.

3.2.6 *Conditions 2.16-2.19 – Construction Blasting*

Two blasts occurred during the audit period. Both blasts occurred during the hours specified in the Conditions of Approval.

It is noted that during one of the blasts, an exceedance of overpressure and vibration was recorded at the nearest residence. The incident was investigated and reported to DoP and OEH. These are reported as non-compliances in this audit, however no corrective action is recommended as the incidents were handled appropriately.

3.2.7 *Conditions 2.20 – Operation Noise and Vibration*

Noise levels are regularly exceeding the Noise Affected Level (40dBA) – eg 8/12, 19/10. No evidence of exceeding the Highly Noise Affected Level. One noise complaint was received, 27/9, relating to a beeper going off during the night. No subsequent complaints.

3.2.8 *Conditions 2.21-2.25 – Traffic and Transport Impacts*

It is noted that a road dilapidation report will be commissioned once construction works are completed.

Evidence was cited that consultation with Palerang Council was undertaken regarding road design, road closure (one month prior) and pipeline crossings for the Williamsdale Road works in September/October 2011.

3.2.9 *Conditions 2.26-2.29 – Heritage Impacts*

No non-compliances were observed with any conditions in this section. No unexpected finds have occurred.

3.2.10 *Conditions 2.30-2.33 – Waste Generation and Management*

No non-compliances were observed with any conditions in this section. Waste was found to have been appropriately managed.

One incident of illegal dumping of asbestos on site occurred by an unknown party during the audit period. This was removed by a licensed operator.

3.2.11 *Conditions 2.34-2.35 – Dust and Odour*

No non-compliances were observed with any conditions in this section.

3.2.12 *Conditions 3.1-3.3 – Monitoring Programs*

A review of compliance against the requirements for the Geo-morphological Monitoring Program was undertaken. Of relevance was the collection of baseline data, which is required to be obtained prior to the commencement of any water transfer. The audit found that baseline geo-morphological monitoring is occurring in Burra Creek and at the Murrumbidgee River sites as detailed in the Plan.

A review of compliance against the requirements for the Surface Water Monitoring Program was undertaken. Of relevance was the collection of baseline data, which is required to be obtained prior to the commencement of any water transfer. The audit found that baseline surface water quality monitoring is occurring, with data being collected as specified in the Plan.

A review of compliance against the requirements for the Ecological Monitoring Program was undertaken. Of relevance was the collection of baseline data, which is required to be obtained prior to the commencement of any water transfer, and during-construction monitoring of terrestrial species which may fall into the trench. The audit found that baseline aquatic ecological monitoring was occurring in both Burra Creek and the Murrumbidgee River. Furthermore, inspections of the trench for fallen animals are occurring daily during construction.

3.2.13 *Conditions 4.1-4.2 – Provision of Electronic Information*

Condition 4.2 requires a range of documents to be made available on the website including details of compliance reviews and audits. The 6-monthly Compliance Report was not available on the website at the time of the audit. **OPPORTUNITY FOR IMPROVEMENT 02**

3.2.14 *Condition 4.3 – Community Information Plan*

These conditions were not audited as part of this audit. The previous Audit addressed the implementation of management plans.

3.2.15 *Conditions 4.4-4.6 – Complaints Procedure*

No non-compliances were observed with any conditions in this section. Several complaints have been received by BWA during the course of the project to date. It is noted that a large number of complaints received relate to BWA driver behaviour along Williamsdale Road. Additional awareness training may be beneficial in reducing community concerns. **OPPORTUNITY FOR IMPROVEMENT 03**

3.2.16 *Condition 5 – Compliance Tracking Program*

No non-compliances were observed with any conditions in this section.

3.2.17 *Condition 6.1 – Environmental Management*

Not Audited.

3.2.18 *Condition 6.2-6.3 – Construction Environmental Management Plan*

These conditions were not audited as part of this audit. The previous Audit addressed the implementation of management plans.

3.2.19 *Conditions 6.4-6.5 – Operation Environmental Management*

Not Audited. This is an operation plan and not relevant to construction.

3.2.20 *Conditions 7.1-7.2 – Environmental Reporting*

No non-compliances were observed with any conditions in this section.

3.3 **ACT NOTICE OF DECISION**

3.3.1 *Condition A – Administrative / Process Conditions*

These conditions were not audited as they relate to the pre-construction phase of the project. See the Pre-construction Compliance Report for further details.

3.3.2 *Condition B – Prior to Construction*

The majority of these conditions were not audited as they relate to the pre-construction phase of the project. See the Pre-construction Compliance Report for further details.

Condition B13 was audited. Table 2.3 of the Bushfire Risk Management Plan commits to having Fire Danger Rating signs at various locations. Only 1 sign is present on site (Compound). **OBSERVATION OF CONCERN 01**

3.3.3 *Conditions C2-C3 – Endangered Species-Swainsona recta*

No non-compliances were observed with any conditions in this section.

3.3.4 *Conditions C4-C6 - Heritage*

No non-compliances were observed with any conditions in this section. No unexpected finds have occurred.

3.3.5 *Condition C7 – PCL TAMS*

No non-compliances were observed with any conditions in this section.

Easement fencing and individual tree fencing has been installed and is protecting trees within and adjacent to the pipeline project. Man-proof fencing is present at the LLPS, HLPS and compound. The pipeline

easement has boundary fencing. Native vegetation has been removed and managed in accordance with the LMPP. Rehabilitation is progressive and occurring.

3.3.6 *Conditions C8-C9 – Asset Acceptance and Works on Unleased Territory Land*

No non-compliances were observed with any conditions in this section.

3.3.7 *Condition C10 – ActewAGL Electrical Utilities*

Not audited.

3.3.8 *Condition C11 – Monitoring and Research Program*

A monitoring and research program has been developed and is being implemented.

3.3.9 *Conditions E – Advisory Notes*

Broad compliance with this section was noted. All licences and exemptions required to be obtained have been obtained.

The Landscape Rehabilitation Management Plan refers to local provenance local species. Seed has been sourced from Yass and Gundaroo, as well as Wagga (*Chloris truncata*). Neither *Hymenantha dentata* nor *Leptospermum continentale* are currently being used, as requested by PCL TAMS.

3.4 **NSW OEH EPL**

3.4.1 *Conditions L – Limit Conditions*

One non-compliance was observed. Exceedance of limits occurred during blasting at the mini-hydro on 28/9/11. Exceedance of overpressure was 0.3 dB (lin), and vibration of 4.07mm/s. The incident was reported to OEH and an investigation was undertaken. No action was taken by OEH. As the incident was managed appropriately, no corrective actions have been issued during this audit.

No off-site waste has been received by the project to date. Illegal dumping of asbestos occurred on site by an unrelated party, this has been removed by a licensed contractor.

Several conditions relate to the operation phase only and were not audited.

3.4.2 *Conditions O – Operating Conditions*

No non-compliances were observed with any conditions in this section.

3.4.3 *Conditions M – Monitoring and recording conditions*

No non-compliances were observed with any conditions in this section. A number of conditions relate to operational phase or are general in nature, and were not audited.

3.4.4 *Conditions R – Reporting Conditions*

An Annual Return has not yet been submitted. It is due in January 2012.

Two incidents have been notified to OEH (in relation to blasting and hydrostatic testing).

3.5 NSW OFFICE OF WATER PERMIT

The previous audit raised an OFI for the lack of a robust system being in place to ensure a visible flow from in Burra Creek is present during any water extraction. This OFI had not been actioned at the time of this audit, and the issue has been raised as an observation of concern. **OBSERVATION OF CONCERN 02**

3.6 ACT ENVIRONMENTAL AUTHORISATION

3.6.1 *Conditions 1 & 7 – Compliance with Environmental Authorisation*

No non-compliances were observed with any conditions in these sections. Exceedances in water quality parameters have been reported to ACT EPA. Notification in writing was issued for hydrostatic testing incident.

3.6.2 *Conditions 2-7 – Various Requirements*

No non-compliances were observed with any conditions in these sections.

Dangerous goods sheds are bunded, have ventilation, are lockable and have an internal valve. The largest container has approximately 25L volume.

Rodney Dix (ACT EPA) is being contacted directly when issues arise.

3.6.3 *Conditions 8-10 – Records*

No non-compliances were observed with any conditions in these sections. Records are being maintained in accordance with these conditions.

3.6.4 *Conditions 11-17 – Various*

No non-compliances were observed with any conditions in these sections.

Asbestos was dumped into the corridor. This was disposed of by a licensed contractor.

No excess spoil has been generated to date.

Hazardous material storage facilities are located at the LLPS, HLPS and the Compound.

3.6.5 *Condition 18 – Monitoring Requirements*

An OFI was raised during the previous audit in relation to ensuring the EPA is satisfied with the qualifications of Peter Sheehan, who is conducting the noise monitoring under the Authorisation. This had not been actioned at the time of this audit, and the issue has been raised as an observation of concern. **OBSERVATION OF CONCERN 03**

3.6.6 *Conditions 19-21 – Various*

No non-compliances were observed with any conditions in these sections.

3.7 ACT ENVIRONMENTAL PROTECTION AGREEMENT

No non-compliances were observed with any conditions in this agreement.

3.8 ACT TEMPORARY TRANSFER OF POSSESSION OF LAND

No non-compliances were observed with any conditions in this agreement. Fencing works have been conducted in accordance with this permit.

Bushfire training has recently been completed. Induction includes specific measures relating to bushfires. Fire fighting equipment is available and at hand.

All licences referred to in the permit have been obtained.

3.9 ACT LICENCES TO TAKE, REMOVE AND/OR INTERFERE, KILL, FELL AND/OR REMOVE

No non-compliances were observed with any conditions in these permits. Many conditions are not auditable and only those which are were reviewed.

4 ATTACHMENTS

Attachment A Completed Audit Protocol

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PC – Prior compliance has been determined.

N/A - Not audited or not applicable to the current stage of the works.

Comply - Compliance Achieved

OOC – Observation of Concern

OFI – Opportunity for Improvement

Approval / Permit / Licence	Reference	Description	Audit Finding	Evidence
NSW Department of Planning Approval 08_1060				
NSW DoP Approval 08_0160	NSW 1.01	The Proponent shall carry out the project generally in accordance with the: a) Major Project Application 08_0160; b)the Murrumbidgee to Googong Water Transfer Environmental Assessment prepared by the Proponent and dated 7 August 2009; c)the Murrumbidgee to Googong Water Transfer Preferred Project Report contained in the Environmental Impact Statement prepared by the Proponent and dated 21 December 2009; and d)the conditions of this approval.	Comply. 3 Consistency Reviews have addressed 4 minor changes to the project. All changes were found to be consistent after consideration of environmental impacts.	Consistency reviews
NSW DoP Approval 08_0160	NSW 1.02	In the event of an inconsistency between: a) the conditions of this approval and any document listed from condition 1.1 a) to 1.1 c) inclusive, the conditions of this approval shall prevail to the extent of the inconsistency; and b) any document listed from condition 1.1a) to 1.1 c) inclusive, and any other document listed from condition 1.1a) to 1.1c) inclusive, the most recent document shall prevail to the extent of the inconsistency.	N/A	
NSW DoP Approval 08_0160	NSW 1.03	The Proponent shall comply with any reasonable requirement(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 approval; and b)the implementation of any actions or measures contained in these reports, plans or correspondence.	Comply	

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Approval / Permit / Licence	Reference	Description	Audit Finding	Evidence
NSW DoP Approval 08_0160	NSW 1.04	This project approval shall lapse five years after the date on which it is granted, unless the works subject of this approval has been completed on the site before that time.	N/A	
NSW DoP Approval 08_0160	NSW 1.05	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. 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.	See results of this audit	
NSW DoP Approval 08_0160	NSW 1.06	This approval does not operate unless and until the Proponent has obtained relevant associated approvals for the Murrumbidgee to Googong Water Transfer project from the Australian Capital Territory Government under the Planning and Development Act 2007 and the Commonwealth Government under the Environment Protection and Biodiversity Conservation Act 1999.	PC	
NSW DoP Approval 08_0160	NSW 2.01	The Proponent shall comply with section 120 of the Protection of the Environment Operations Act 1997 which prohibits the pollution of waters.	Comply. One incident occurred which was reported to OEH and DoP. No pollution of waters occurred.	
NSW DoP Approval 08_0160	NSW 2.02	Soil and water management controls shall be employed to minimise soil erosion and the discharge of sediment and other pollutants to lands and/or waters during construction activities, in accordance with Managing Urban Storm water: Soils and Conservation (Landcom, 2004).	PC	

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Approval / Permit / Licence	Reference	Description	Audit Finding	Evidence
NSW DoP Approval 08_0160	NSW 2.03	The Proponent shall design, construct, operate and maintain the project to avoid impacts on bank stability within the Burra Creek riverine corridor and Googong Reservoir outlet and does not increase local flooding risk.	Comply. Construction works have been undertaken with minimal impacts to bank stability. Rock revetment works have occurred to stabilise the bank.	Site inspection
NSW DoP Approval 08_0160	NSW 2.04	The Proponent shall not transfer water when Burra Creek is in flood based on a one in two year event or greater nor should the Proponent operate the pipeline where it results in water levels in Burra Creek being greater than the one in two year flood level.	N/A	
NSW DoP Approval 08_0160	NSW 2.05	Prior to the commencement of construction the Proponent shall conduct a review of potential conflicts between the project alignment and any identified hard rock resources existing along or adjacent to the pipeline easement. The review shall consider all reasonable and feasible options for resolving any identified conflicts, and shall be submitted for the Director-General's approval prior to the commencement of construction.	PC	
NSW DoP Approval 08_0160	NSW 2.06	In regards to the Endangered Purple Pea, <i>Swainsona recta</i> the Proponent shall: a) avoid and protect the identified population of the species during construction of the crossing at the Goulburn to Cooma railway line; b) submit to the Director-General and DECCW, as part of the Construction Environmental Management Plan required under condition 6.2, a pre construction survey of all potentially suitable habitat along the pipeline easement. The survey shall be conducted during the species flowering period; and c) minimise impacts to any population identified during the surveying described in b), through detailed design and alignment refinements.	a) Comply b) PC c) Comply	Individual plants are being protected by fencing. Avoidance was achieved through minor realignments (in the ACT).

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Approval / Permit / Licence	Reference	Description	Audit Finding	Evidence
NSW DoP Approval 08_0160	NSW 2.07	The pipeline easement width shall be reduced to the minimum feasible width in areas along the easement that are known to contain endangered ecological communities and/or threatened species habitat. Details regarding the extent and location of these reductions shall be included in the Construction Environment Management Plan contained in condition 6.2.	Comply	Design plans, site inspections
NSW DoP Approval 08_0160	NSW 2.08	Any clearing of native vegetation, native grassland particularly Box Gum Grassy Woodland and rocky outcrops during construction of the pipeline shall be limited to the minimum feasible extent.	Comply Clearing minimisation continues to occur. Evidence can be seen through Gibraltar Gap where significant trees were left in place and minor pipeline re-routing occurred to avoid native vegetation.	Site inspections
NSW DoP Approval 08_0160	NSW 2.09	Areas specified in Table 1 that are expected to be cleared shall be offset utilising the compensatory habitat offset package described in documentation represented by Condition 1.1 c). The package located on the Williamsdale Property in the Australian Capital Territory shall be implemented prior to commissioning of the project. The package shall offset in perpetuity the value of habitat lost as a result of the project. A final review of the compensatory habitat offset package shall be provided to the Director-General in the Operation Environment Management Plan. This version shall: a) demonstrate the implementation of the offset; b) describe how the offset shall be guaranteed and monitored in perpetuity; and c) demonstrate a post construction review has been undertaken that confirms the extent of clearing was not greater than predicted. If clearing was greater, then the package shall demonstrate how the offset was modified and increased to the value of the actual habitat lost. Table 1 - Habitat areas expected to be cleared	N/A. Construction Impact Audit yet to be completed.	

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Approval / Permit / Licence	Reference	Description	Audit Finding	Evidence
NSW DoP Approval 08_0160	NSW 2.10	After construction is complete and for a period of two years after that time (or as otherwise required by the Director-General) the Proponent shall monitor areas along the project alignment, for weed infestation. Any infestations shall be actively managed to remove or minimise their spread.	N/A	
NSW DoP Approval 08_0160	NSW 2.11	The Proponent shall implement the aquatic ecology management measures committed to in the documents set out in condition 1.1 c) or elsewhere in these conditions of approval, including; a) monitoring and subsequent maintenance of flow transfer volumes to reasonably and feasibly mimic the natural flow regime based on stochastic data defined in the Preferred Project Report of Burra Creek during the native fish breeding season in order to protect any spawning populations of threatened fish species; b) design measures to prevent the spread of invasive fish species; c) design measures for the protection of natural ponding habitat. If the current natural ponds along Burra Creek are lost as a result of increased flows, the Proponent is required to re-establish natural ponding habitat; and d) regular review of aquatic ecology monitoring results for any trends toward significant impacts in Burra Creek or Googong Reservoir.	a) N/A b) PC c) N/A d) N/A Currently, baseline aquatic ecology monitoring is occurring, as well as inspections relating to construction impacts.	Interview S. Webber
NSW DoP Approval 08_0160	NSW 2.12	Prior to the commencement of construction, the Proponent shall consult with the Department of Industry and Investment regarding the final design of the fish egg screens and proposed operating procedures of the pump stations. The pumping station shall be designed and operated in such a way that pumping cannot occur when adequate fish egg screens are not in place.	PC	

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Approval / Permit / Licence	Reference	Description	Audit Finding	Evidence
NSW DoP Approval 08_0160	NSW 2.13	The Proponent shall only undertake construction activities associated with the project that would generate an audible noise at any residential premises 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.	An incidence of out of hours work occurred on 8/12/11 where work up to 7pm was done to complete a major waterway crossing before impending rain. The PM was aware of the need to extend working hours. A residence noted the work to the Community Manager. OFI 01 – no records were maintained of this incidence.	Interview J. Turville & S. Webber
NSW DoP Approval 08_0160	NSW 2.14	This condition (CoA 2.13) does not apply in the event of a direction from police or other relevant authority for safety reasons, to prevent environmental harm or risk to life.	N/A	
NSW DoP Approval 08_0160	NSW 2.15	The hours of construction activities 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; 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 c) affected residential receivers being informed of the timing and duration of work approved under this condition at least 48 hours before that work commences.	Comply. Out of hours works were requested for the works on Williamsdale Road and were approved by DoP prior to works commencing. An extension to this was sought and approval granted.	OoH Application and DoP letter of Approval, including extension approval.
NSW DoP Approval 08_0160	NSW 2.16	Blasting associated with the construction of the project shall only be undertaken during the following hours: a) 9:00 am to 5:00 pm, Mondays to Fridays, inclusive; b) 9:00 am to 5:00 pm on Saturdays; and c) at no time on Sundays or public holidays.	Comply. Two blasts have occurred, both at 2:30pm on a weekday.	Blast records

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NSW DoP Approval 08_0160	NSW 2.17	The Proponent shall ensure that air blast overpressure generated by blasting associated with the project does not exceed the criteria specified in Table 2 when measured at the most affected residential or sensitive receiver. Table 2 -Airblast Overpressure Criteria Allowable Exceedances(d6(Lin Peak)) 115 5% of total number of blasts over a 12 month period 120 Never	Non-Compliance Exceedence of occurred during blast at mini-hydro on 28/9/11. Overpressure was recorded at 120.3 dB (lin). Incident was reported and an investigation undertaken	Incident Register.
NSW DoP Approval 08_0160	NSW 2.18	The Proponent shall ensure that the ground vibration generated by blasting associated with the project does not exceed the criteria specified in Table 3 when measured at the most-affected residential or sensitive receiver. Table 3 -Peak Particle Velocity Criteria Allowable Exceedances5 5% of total number of blasts over a 12 month period 10 Never	Non-compliance. A blast at the mini-hydro on 28/9 resulted in an exceedance of vibration of 4.07 mm/s. Incident was reported and an investigation undertaken	Incident Register.
NSW DoP Approval 08_0160	NSW 2.19	Prior to each blasting event, the Proponent shall notify the relevant local council and potentially affected landowners, including details of time and location of the blasting event and providing a contact point for inquiries and complaints.	Comply. Notification of Williamsdale Road blast 8/9	e-mail 8/9/11.
NSW DoP Approval 08_0160	NSW 2.20	The Proponent shall take all reasonable measures to minimise noise emissions and vibration from all plant and equipment operated on the site such that they do not exceed noise and vibration criteria derived by application of the NSW Industrial Noise Policy (DECC, 2000) and Assessing Vibration: A Technical Guideline (DECC, 2006).	Comply Noise levels are regularly exceeding the Noise Affected Level (40dBA) – eg 8/12, 19/10. No evidence of exceeding the Highly Noise Affected Level. One noise complaint was received, 27/9, relating to a beeper going off during the night. No subsequent complaints.	Complaints Register. Noise monitoring records

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NSW DoP Approval 08_0160	NSW 2.21	Where the pipeline is located along and within a public road formation the Proponent shall: a) commission a qualified person to undertake a Road Dilapidation Report of all roads proposed to be used for construction and access activities in consultation with relevant road authorities. The Report shall assess the current condition of the relevant roads. b) following completion of construction a subsequent Road Dilapidation Report shall be prepared to assess any damage that may have resulted due to traffic and transport related to the construction and ongoing operation of the project. The Proponent shall restore the relevant roads to a state, described in the original Road Dilapidation report. The cost of any restorative work described in the subsequent Report or recommended by the relevant road authorities after review of the subsequent Report, shall be funded by the Proponent. Such work shall be undertaken at a time as agreed upon between the Proponent and the relevant road authorities. In the event of a dispute between the parties with respect to the extent of restorative work that may be required under this condition, any party may refer the matter to the Director-General for resolution. The Director-General's determination of any such dispute shall be final and binding on the parties.	a) PC b) Will be undertaken once construction is completed, probably after commissioning.	Interview J. Turville
NSW DoP Approval 08_0160	NSW 2.22	The Proponent shall ensure that all pipeline crossings of roads are constructed using construction methods and depth cover determined in consultation with the relevant road authority.	Comply. A design was prepared in consultation with Palerang Council	Design drawing (controlled copy)
NSW DoP Approval 08_0160	NSW 2.23	The Proponent shall apply to the relevant authority for any proposed temporary road closures at least one month prior to the proposed closure. Advertisement of the closure shall be funded by the Proponent.	Comply. Discussions were had with Council in June regarding road closure. Formal approval of road closure received 19/8. Road closure commenced 19/9.	Letter from Palerang Council 29/8.

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NSW DoP Approval 08_0160	NSW 2.24	The Proponent shall obtain the relevant consent to utilise the nominated Council storage areas within Williamsdale Road Reserve subject to Council requirements.	PC	
NSW DoP Approval 08_0160	NSW 2.25	The Proponent shall consult with the Australian Railway Historical Society to ensure the timing of any construction impacts on the use of the Goulburn to Cooma Railway (Michelangelo Tourist Railway) are minimised.	PC	
NSW DoP Approval 08_0160	NSW 2.26	If during the course of construction the Proponent becomes aware of any previously unidentified significant Aboriginal object(s), all work likely to affect the object(s) shall cease immediately and the DECCW informed in accordance with the National Parks and Wildlife Act 1974. Relevant works shall not recommence until written authorisation from the DECCW advising otherwise is received by the Proponent.	Comply No unexpected finds have occurred	
NSW DoP Approval 08_0160	NSW 2.27	If during the course of construction the Proponent becomes aware of any previously unidentified heritage object(s), all work likely to affect the object(s) shall cease immediately and the Heritage Council of New South Wales shall be notified immediately in accordance with the NSW Heritage Act 1977. Management measures set out in the Unanticipated Discovery Protocol discussed in the Statement of Commitments contained in the Preferred Project Report represented by condition 1.1 c) shall be implemented.	Comply No unexpected finds have occurred	
NSW DoP Approval 08_0160	NSW 2.28	Any indigenous or non-indigenous items of heritage significance located along or within the vicinity of the pipeline easement shall be avoided including sites and/or objects along Bum Creek and London Bridge karst formations as well as at Williamsdale School.	Comply	
NSW DoP Approval 08_0160	NSW 2.29	Monitoring of London Bridge karst formations is to occur subject to commitments made in the Proponent's Statement of Commitments contained in documents referred to in condition 1.1 c).	N/A	

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NSW DoP Approval 08_0160	NSW 2.30	All waste materials removed from the site shall only be directed to a waste management facility lawfully permitted to accept the materials.	Comply. Waste is being removed by a licensed contractor. Whilst no direct evidence of lawful disposal by the contractor was observed, it is assumed from their credentials that correct disposal is being undertaken.	Waste records
NSW DoP Approval 08_0160	NSW 2.31	The Proponent shall maximise the treatment, reuse and/or recycling on the site of any excavated soils, slurries, dusts and sludges associated with the project, to minimise the need for treatment or disposal of those materials outside the site.	Comply. Recycling is occurring at the office. Construction-related waste such as soil and sludges are being reused on site.	Waste register. Site inspections. Interview P. Sheahan & B. McCarthy
NSW DoP Approval 08_0160	NSW 2.32	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 Protection of the Environment Operations Act 1997, if such a licence is required in relation to that waste.	Comply. One incident of illegal dumping of asbestos on site. This was removed by a licensed operator.	Interview P. Sheahan.
NSW DoP Approval 08_0160	NSW 2.33	The Proponent shall ensure that all liquid and/or non-liquid waste generated and/or stored on the site is assessed and classified in accordance with Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-Liquid Wastes (DEC, 2004), or any future guideline that may supersede that document.	Comply	

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NSW DoP Approval 08_0160	NSW 2.34	The Proponent shall construct and operate the project in a manner that minimises dust emissions from the site, including wind-blown and traffic-generated dust. All activities on the site shall be undertaken with the objective of preventing visible emissions of dust from the site. Should such visible dust emissions occur at any time, the Proponent shall identify and implement all practicable dust mitigation measures, including cessation of relevant works, as appropriate, such that emissions of visible dust cease.	Comply. No evidence of significant dust generation, or complaints of dust generation.	Site inspections. Air quality monitoring records. Complaints records.
NSW DoP Approval 08_0160	NSW 2.35	The Proponent shall not cause or permit the emission of offensive odours from the site in accordance with the provisions of Section 129 of the Protection of the Environment Operations Act 1997.	Comply. No evidence of odour generation, or complaints of odour.	Site inspections. Complaints records.

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Approval / Permit / Licence	Reference	Description	Audit Finding	Evidence
NSW DoP Approval 08_0160	NSW 3.1	Prior to the commencement of construction the Proponent shall prepare and implement a Geo-Morphological Monitoring Program to monitor the impact of the project on the present morphology of Burra Creek at the pipeline outlet location and downstream to Googong Reservoir. The Program shall be developed in consultation with the DECCW and shall include but not necessarily be limited to: a) set out monitoring requirements in order to assess the impact of the project on the present geo-morphology of Burra Creek at the pipeline outlet location and downstream to Googong Reservoir. b) baseline monitoring prior to the introduction of flows through Burra Creek in order to establish any geo-morphological changes resulting from the project. c) provisions for monitoring during construction, operational and non-operational phases; d) mechanisms for immediately investigating any anomalous monitoring results; e) mechanisms for the management and mitigation of any impacts on the waterways including cessation of flows where necessary; and f) details of how the monitoring results will be reported to the Director-General and the DECCW. The Program shall be submitted for the approval of the Director-General no later than one month prior to the commencement of construction, or within such period otherwise agreed by the Director-General, accompanied by written evidence that the DECCW has been consulted and that the DECCW is satisfied with the Program. Construction shall not commence until written approval has been received from the Director-General.	a) PC b) Comply. Baseline monitoring of Murrumbidgee River and Burra Creek sites is occurring. c) PC d) PC e) N/A f) PC	Interview S. Webber

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Approval / Permit / Licence	Reference	Description	Audit Finding	Evidence
NSW DoP Approval 08_0160	NSW 3.2	<p>Prior to the commencement of construction, the Proponent shall prepare and implement a Surface Water Monitoring Program to monitor and manage the impact of the project on the waterways into which any extracted Murrumbidgee River water is discharged. The Program shall be prepared in accordance with sections 8.2.3.3 and 8.2.3.4 of Australian and New Zealand Guidelines for Fresh and Marine Water Quality -Volume 2: Aquatic Ecosystems (ANZECC & ARMCANZ, 2000) The Program shall be developed in consultation with the DECCW and shall include but not necessarily be limited to: a) the monitoring framework detailed in the documents referred to in condition 1.1; b) a baseline monitoring program; c) an evaluation of the discharges in terms of temporal and spatial scales; d) a comparison of discharge data with baseline data; e) sampling and data collection at representative sites, both impact (downstream of the discharge point) and control (upstream of the discharge point) sites; f) sampling and data collection for the discharges and immediate receiving environment to quantify the changes in ecosystem health and water quality with specific reference to phytoplankton, aquatic vegetation, macroinvertebrates, fish, temperature, salinity, dissolved oxygen, iron and manganese; g) provisions for the review of the Program within six months of commencement of the first full operational flow into Burra Creek; h) identification of key water parameters including but not limited to flow rate, temperature, ph, salinity, total dissolved solids and nutrient parameters for the operation of the project; i) management actions for the parameters identified in h) should they be breached; and j) details of how the monitoring results will be reported to the Director-General and DECCW. The Program shall be submitted for the approval of the Director-General no later than one month prior to the commencement of construction, or within such period otherwise agreed by the Director-General, accompanied by evidence that the DECCW has been consulted regarding the Program. Construction shall not commence until written approval has been received from the Director-General.</p>	<p>a) PC</p> <p>b) Comply. Baseline surface water quality monitoring is being conducted.</p> <p>c) N/A</p> <p>d) N/A</p> <p>e) Comply. Baseline sampling is being conducted.</p> <p>f) N/A</p> <p>g) N/A</p> <p>h) Comply. Key parameters are identified in the Plan and are being monitored for the baseline monitoring program.</p> <p>i) N/A</p> <p>j) N/A</p>	<p>Interview S. Webber</p> <p>Monitoring reports prepared by ALS</p>

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NSW DoP Approval 08_0160	NSW 3.3	Prior to the commencement of construction the Proponent shall prepare and implement an Ecological Monitoring Program to monitor the impact of the project on the ecology that may be impacted by the proposal. The Program shall be developed in consultation with the DECCW and Department of Industry and Investment NSW and shall include but not necessarily be limited to: a) set out monitoring requirements as detailed in the documents referred to in Condition 1.1 c), in order to assess the impact of the project on Ecology present along the easement and at Burra Creek at the pipeline outlet location and downstream including the Googong Reservoir. b) baseline monitoring prior to the introduction of flows through Burra Creek in order to establish any ecological changes resulting from the project. c) provisions for monitoring trench areas for any native fauna impacts likely to result from this work. Any native fauna found in the open trench shall be recorded and managed in consultation with DECCW; d) provisions for monitoring during construction, operational and non-operational phases; e) mechanisms for immediately investigating any anomalous monitoring results; f) mechanisms for the management and mitigation of any impacts on the waterways including cessation of flows where necessary; and g) details of how the monitoring results will be reported to the Director-General and the DECCW and the Department Industry and Investment NSW. The Program shall be submitted for the approval of the Director-General no later than one month prior to the commencement of construction, or within such period otherwise agreed by the Director-General, accompanied by evidence that the DECCW has been consulted regarding the Program. Construction shall not commence until written approval has been received from the Director-General.	<p>a) PC</p> <p>b) Comply. Baseline ecological monitoring for aquatic parameters is occurring.</p> <p>c) Comply. Ecologists have been engaged and site environment staff are involved in inspections of trench areas.</p> <p>d) Monitoring of aquatic ecological parameters is occurring during construction.</p> <p>e) N/A</p> <p>f) N/A</p> <p>g) N/A</p>	<p>Interview S. Webber</p> <p>ALS reports</p>
NSW DoP Approval 08_0160	NSW 4.1	Subject to confidentiality, the Proponent shall make all documents required under this approval available for public inspection on request.	N/A	

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NSW DoP Approval 08_0160	NSW 4.2	Prior to the commencement of construction of the project, 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 subject to confidentiality. The Proponent shall publish and maintain up-to-date information on this website or dedicated pages including, but not necessarily limited to: a) the current implementation status of the project; b) a copy of this approval and any future modification to this approval; c) a copy of each relevant environmental approval, licence or permit required and obtained in relation to the project; d) a copy of each plan, report, or required monitoring program under this approval; and e) details of the outcomes of compliance reviews and audits of the project.	<p>OFI 02</p> <p>The 6-monthly Compliance Report should be uploaded.</p>	Website

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NSW DoP Approval 08_0160	NSW 4.3	Prior to the commencement of construction, the Proponent shall prepare and implement a Community Information Plan which sets out the community communications and consultation processes to be undertaken during construction and operation of the project. The Plan shall include but not be limited to: a) procedures and timing to consult with the community and Palerang Council in order to come to an agreement regarding revegetation of Burra Creek adjacent to Burra Village, raising of pedestrian access to London Bridge Homestead above the predicted high water mark and the construction of a bridal trail along areas where roadwork is required. b) procedures to inform the local community of planned investigations and Construction activities, including blasting works; c) procedures to inform the relevant community of Construction traffic routes and any potential disruptions to traffic flows and amenity impacts; d) procedures to consult with local landowners with regard to Construction traffic to ensure the safety of livestock and to limit disruption to livestock movements; e) procedures to inform the community where work has been approved to be undertaken outside the normal Construction hours, in particular noisy activities; f) procedures to inform and consult with affected landowners to rehabilitate impacted land; g) procedures to notify relevant landowners of the process available to review potential impacts on radio and television transmission; and h) procedures to notify relevant landowners of the process available to review potential impacts on aerial spraying.	PC	

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Approval / Permit / Licence	Reference	Description	Audit Finding	Evidence
NSW DoP Approval 08_0160	NSW 4.4	Prior to the commencement of construction of the project, the Proponent shall ensure that the following are available for community complaints for the life of the project (including construction and operation): a) a 24 hour telephone number on which complaints about construction and operational activities at the site may be registered; b) a postal address to which written complaints may be sent; and c) an email address to which electronic complaints may be transmitted. The telephone number, the postal address and the e-mail address shall be advertised in a newspaper circulating in the locality on at least one occasion prior to the commencement of construction and at six-monthly intervals for two years following commencement of operation of the project. These details shall also be provided on the Proponent's internet site. The telephone number, the postal address and the email address shall be displayed on a sign near the entrance to the site, in a position that is clearly visible to the public.	Comply. It is noted that a large number of complaints received relate to BWA driver behaviour along Williamsdale Road. OFI 03	Communication measures are being maintained throughout construction.
NSW DoP Approval 08_0160	NSW 4.5	The Proponent shall record details of all complaints received through the means listed under condition 4.4 of this approval in an up-to-date Complaints Register. The Register shall record, but not necessarily be limited to: a) the date and time, where relevant, of the complaint; b) the means by which the complaint was made (telephone, mail or email); c) any personal details of the complainant that were provided, or if no details were provided, a note to that effect; d) the nature of the complaint; e) any action(s) taken by the Proponent in relation to the complaint, including timeframes for implementing the action; and f) if no action was taken by the Proponent in relation to the complaint, the reason(s) why no action was taken. The Complaints Register shall be made available for inspection by the Director-General upon request.	Comply	Complaints register
NSW DoP Approval 08_0160	NSW 4.6	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 4.5.	Comply	Complaints register

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Approval / Permit / Licence	Reference	Description	Audit Finding	Evidence
NSW DoP Approval 08_0160	NSW 5.1	Prior to the commencement of construction, the Proponent shall develop and implement a Compliance Tracking Program for the project, to track compliance with the requirements of this approval during the construction and operation of the project and shall include, but not necessarily limited to: a) provisions for periodic reporting of the 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 operational commencement; b) a program for independent environmental auditing in accordance with AS/NZ ISO 19011:2003 -Guidelines for Quality and/or Environmental Management Systems Auditing; c) procedures for rectifying any non-compliance identified during environmental auditing or review of compliance; d) mechanisms for recording environmental incidents and actions taken in response to those incidents; e) provisions for reporting environmental incidents to the Director-General during construction and operation; and 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.	Comply	

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Approval / Permit / Licence	Reference	Description	Audit Finding	Evidence
NSW DoP Approval 08_0160	NSW 6.1	Prior to the commencement of any construction or operational activities or as otherwise agreed by the Director-General, the Proponent shall nominate for the approval of the Director General a suitably qualified and experienced Environmental Representative(s) independent o. the design, construction and operation personnel. The Proponent shall engage the Environmental Representative(s) during any construction activities, and throughout the life of the project, or as otherwise agreed by the Director-General. The Environmental Representative(s) shall: a)oversee the implementation of all environmental management plans and monitoring programs required under this approval, and advise the Proponent upon the achievement of these plans/programs; b)consider and advise the Proponent on its compliance obligations against all matters specified in the conditions of this approval and the Statement of Commitments as referred to under condition 1.1 c) of this approval, permits and licences; and c)have the authority and independence to recommend to the Proponent reasonable steps to be taken to avoid or minimise unintended or adverse environmental impacts, and, 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 a significant risk that an adverse impact on the environment will be likely to occur.	N/A	

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NSW DoP Approval 08_0160	NSW 6.2	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 Guideline for the Preparation of Environmental Management Plans (DIPNR, 2004) and shall include, but not necessarily be limited to: a)a description of all relevant activities to be undertaken on the site during construction including an indication of stages of construction, where relevant; b)details of the areas designated for the erection of public information signage; c)statutory and other obligations that the Proponent is required to fulfil during construction including all relevant approvals, consultations and agreements required from authorities and other stakeholders, and key legislation and policies; d)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; e)a description of the roles and responsibilities for all relevant employees involved in the construction of the project; f)details of any construction camp sites and the management of these sites; g)specific consideration of relevant measures to address any requirements identified in the documents referred to under conditions 1.1 b)and 1.1 c) of this approval; h)the additional monitoring listed in this approval; i)complaints handling procedures during construction; and j)route alignment sheet to identify the final pipeline alignment including identification of areas where the easement area has been reduced to minimise impacts to threatened species as contained in condition 2.6. The Construction Environment Management Plan shall be submitted for the approval of the Director-General no later than one month prior to the commencement of any relevant construction works associated with the project, or within such period otherwise agreed by the Director-General. Construction works shall not commence until written approval has been received from the Director-General.	PC	Audited during the previous audit
NSW DoP Approval	NSW 6.3	As part of the Construction Environmental Management Plan required under condition 6.2 of this approval, the Proponent shall prepare and	PC	Audited during the previous audit

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08_0160		<p>implement the following: a) a Surface and Groundwater Water Management Plan to manage water quality impacts during construction. The Plan shall be prepared in consultation with the DECCW and shall include, but not necessarily be limited to: i. detailed engineering designs for the outlet structure; ii. detailed engineering designs for each category of watercourse crossing; iii. rehabilitation methodology of each category of watercourse crossing; iv. a description of any dewatering activities associated with groundwater interception; v. monitoring measures listed in condition 3.1 and 3.2; vi. a description of the quantity and source of all water supplies relating to construction, hydro-testing and operation; and vii. a description of any dewatering activities associated with groundwater interception along the pipeline easement that includes the quantity of groundwater to be used and a description of any expected impacts associated with the works. b) a Flora and Fauna Management Plan to outline measures to protect and minimise loss of terrestrial and aquatic native vegetation and native fauna habitat as a result of construction of the project. The Plan shall include, but not necessarily be limited to: i. plans showing terrestrial vegetation communities; important flora and fauna habitat areas; locations where threatened species such as the Swainsona Recta, Pink tailed Worm Lizard and Rosenberg's Goanna as well as iconic species such as the Platypus, have been recorded or are likely to occur; and areas to be cleared. The plans shall also identify vegetation adjoining the site where this contains important habitat areas and/or threatened species, populations or ecological communities; ii. methods to manage impacts on flora and fauna species and their habitat which may be directly or indirectly affected by the project, such as location of fencing, procedures for clearing of vegetation or soil and procedures for relocating hollows or installing nesting boxes; iii. rehabilitation details and a program for reporting on the effectiveness of flora and fauna management measures, including a schedule for planting and seeding within areas supporting Endangered Ecological Communities. Management methods shall be reviewed where found to be ineffective. c) a Construction Noise</p>		

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		<p>and Vibration Management Plan to manage noise and vibration impacts during construction and to identify all feasible and reasonable noise and vibration mitigation measures. This plan shall be developed by a qualified acoustic consultant, agreed to by the Director-General and demonstrate the maximum feasible noise attenuation. The Plan shall address the requirements of the DECCW and shall include, but not necessarily be limited to: i. details of all potentially affected sensitive receivers modelled to have noise construction exceedances according to the NSW Interim Construction Noise Guidelines (July 2009.) where exceedances are shown an analysis of all feasible mitigation measures to reduce construction noise and vibration impacts including the use of noise attenuation barriers, alternative construction methods and work practices where potential noise impacts exceed the relevant objectives; ii) an alternative construction schedule may be developed with the prior consent of the potentially affected receivers iii) description and commitment to work practices which limit noise; iv) procedures for notifying residents of construction activities that are likely to affect their noise and vibration amenity. v) extent of noise monitoring (as well as blast monitoring) vi) contingency plans to be implemented in the event of non-compliance and / or vi. noise and vibration complaints vii) site contact person to follow up complaints d) a Traffic Management Plan to manage traffic conflicts that may be generated during construction of the project. The Plan shall address the requirements of the relevant road authority and shall include, but not necessarily be limited to: i. details of how construction of the project will be managed in proximity to local and regional roads; ii) details of traffic routes for heavy vehicles, including any necessary route or timing restriction for oversized loads; iii) demonstration that all statutory responsibilities with regard to road traffic impacts have been complied with; iv) details of measures to minimise interactions between the project and other users of the roads such as the use of fencing, lights, barriers, traffic diversions etc; v) procedures for informing the public where any road access will be restricted as a result of the project; vi) procedures to manage construction</p>		

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		traffic to ensure the safety of livestock and to minimise disruption to livestock; vii) speed limits to be observed along routes to and from the site and within the site; viii) minimum requirements for vehicle maintenance to address noise and exhaust emissions, particularly along roads in close proximity to residences; and ix) details of the expected behavioural requirements for vehicle drivers travelling to and from the site and within the site		

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NSW DoP Approval 08_0160	NSW 6.4	<p>The Proponent shall prepare and implement an Operation Environmental Management Plan in accordance with the Guideline for the Preparation of Environmental Management Plans (DUAP, 2004) or its latest revision. The Plan shall include but not necessarily be limited to: a) identification of all statutory and other obligations that the Proponent is required to fulfil in relation to the operation of the development, including all consents, licences, approvals and consultations; b) a management organisational chart identifying the roles and responsibilities for all relevant employees involved in the operation of the project; c) overall environmental policies to be applied to the operation of the project; d) standards and performance measures to be applied to the project, and means by which environmental performance can be periodically monitored, reviewed and improved, (where appropriate) and what actions would be taken in the case that non-compliance with the requirements of this approval are identified. In particular the following environmental performance issues shall be addressed: i. bushfire hazard and risk management; and ii. management and maintenance of offsets including the presentation to the Director General of the final offset compensatory habitat package post-construction impact review; iii. management measures for easement areas, including management of vegetation, soil erosion, weed control and landholder liaison. e) the environmental monitoring requirements outlined under this approval; f) complaints handling procedures as identified in conditions 4.4 to 4.5; and g) the Management Plans listed under condition 6.5 of this approval; h) specific consideration of relevant measures to address any requirements identified in the documents referred to under conditions 1.1 b) and 1.1 c) of this approval; and i) management policies to ensure that environmental performance goals are met and to comply with the conditions of this approval. The Plan 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 shall not commence until written approval has been received from the Director-General. Upon receipt of the Director-General's approval, the Proponent shall make the Plan publicly available as soon as practicable.</p>	N/A	

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NSW DoP Approval 08_0160	NSW 6.5	As part of the Operation Environmental Management Plan required under condition 6.4, the Proponent shall prepare and implement a Flow Management Plan that identifies the quantity, timing, duration and velocity of water transfer flows to Burra Creek. The Plan shall be developed in consultation with the DECCW.	N/A	
NSW DoP Approval 08_0160	NSW 7.1	The Proponent shall notify the Director-General and any relevant Government authority of any incident with actual or potential significant off-site impacts on people or the biophysical environment as soon as practicable after the occurrence of the incident. The Proponent shall provide written details of the incident to the Director-General within seven days of the date on which the incident occurred.	Comply	Two incidents: Blasting exceedance and hydrostatic test failure. Both incidents were reported to OEH. The hydrostatic testing incident was not deemed significant enough to warrant consultation with DoP.
NSW DoP Approval 08_0160	NSW 7.2	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 7.1 of this approval, within such period as the Director-General may require.	N/A	
ACT Notice of Decision 201017858				
ACT Notice of Decision 201017858	ACT A1	Development within Block 119 Tuggeranong must not commence until the developer has obtained written endorsement from PCL TAMS that the development is consistent with the Land Management Agreement for that block.	PC	

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ACT Notice of Decision 201017858	ACT A2	Prior to the commencement of works on site, the applicant/Lessee must nominate an independent person, who will be approved by ACT Planning and Land Authority (ACTPLA), to audit and ensure that all conditions of approval set out in the decision by ACTPLA, or any relevant decision under the Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act) are fully completed in accordance with the next condition of this decision.	PC	
ACT Notice of Decision 201017858	ACT A3	Prior to the completion of work, the applicant/Lessee must submit a report prepared and endorsed by the person identified under the previous condition of this decision to provide demonstrated evidence that: (a) the requirements set out in any relevant decision made under the EPBC Act have been fully completed to the satisfaction of the Department of the Environment, Water, Heritage and the Arts (DEWHA); and (b) the mitigation measures committed to within the Final EIS accepted by the Minister for Planning on 12 May 2010 and detailed within this decision are completed to the satisfaction of ACTPLA and to any relevant government entity to which that requirement relates.	N/A	
ACT Notice of Decision 201017858	ACT A4	A Compliance Tracking Program be developed and implemented to track and audit the requirements and compliance of conditions of this approval. The Program must be submitted to ACTPLA prior to the commencement of construction of works on site or operations as appropriate. The program must relate to both the construction and operational stages of the project and must include, but not necessarily be limited to: (a) a timeline which details the relevant approvals required and approving entities; (b) provisions for periodic reporting of compliance status of the development against the requirements and conditions of approval (including any other Government licences and approvals) to ACTPLA and the Environment Protection Authority (EPA); and (c) mechanisms for rectifying any non-compliance identified during auditing or review of compliance.	PC Comply - implementation	

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ACT Notice of Decision 201017858	ACT A5	Prior to the commencement of works on site, the proponent must ensure that the following are available for community enquiries and/or complaint for the life of the project (including construction and operation): (a) a telephone number on which complaints about construction and operational activities at the site can be registered; (b) a postal address to which written complaints may be sent; and (c) an email address to which electronic complaints can be transmitted.	PC	
ACT Notice of Decision 201017858	ACT A6	The telephone number, the postal address and the email address must be displayed on the signs, placed in appropriate locations including signs required as part of the Temporary Signage Plan at Condition B14 of this decision. A register of complaints must be made available for inspection by ACTPLA upon request.	PC	

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ACT Notice of Decision 201017858	ACT A7	Works for the Pipeline, High Lift Pump Station (HLPS), Microwave Tower, and 3.3Kv cabling and structures, must not commence until the applicant has lodged with ACTPLA and obtained approval for revised drawings and information showing: (a) the construction of erosion control measures and associated landscaping to the outlet structure to the High-Lift Pump Station to the satisfaction of Parks Conservation and Lands, Territory and Municipal Services (PCL TAMS) and ACTPLA; (b) the Rehabilitation Plan and Landscape Plans revised to include the following requirements: (i) the deletion of the words '\local seed stock where possible\' and replaced with local provenance local native species; (ii) the usage of introduced straw or other mulch materials must have minimal weed seed content and maximum cleanliness; (iii) the use of Eucalyptus camaldulensis or Casuarina cunninghamiana in the Low Lift Pump Station Indicative Planting Palette deleted and replaced with one or more of the following: Eucalyptus viminalis, Eucalyptus rubida, Callitris endlicher; Banksia marginate; (iv) the substitution or deletion of Muehlenbeckia tuggeranong considering advice at Section E17of this Decision, (v) the deletion of of Hymenantha dentata and Leptospermum continentale and its replacement with an appropriate grass/groundcover such as Poa labillardieri; (vi) landscaping proposed for areas of visual mitigation revised to include additional semi-mature native tree/shrub planting within a horizontal distance of 15m from the perimeter of the HLPS, and 3.3Kv cabling and structures that will reach a height in excess of 6m within five years of their planting in the ground to achieve vegetative screening of the proposed buildings to the satisfaction of ACTPLA and PCL TAMS; and (c) revised sediment erosion control plans indicating that areas affected by disturbance at all stages including construction and testing of the pipeline are stabilised and treated in accordance with the Territory requirements for sediment and erosion control to the satisfaction of the EPA.	PC	
ACT Notice of Decision 201017858	ACT B01	B1. Development must not commence for any part of the development until Conditions B5 through to B19 are met.	PC	

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ACT Notice of Decision 201017858	ACT B02	B2. Development must not commence for the Pipeline east of Monaro Highway until Condition B20 is met.	PC	
ACT Notice of Decision 201017858	ACT B03	B3. Development must not commence for the Low Lift Pump Station and Angle Crossing Beach until Conditions B21 through to B22 are met.	PC	
ACT Notice of Decision 201017858	ACT B04	B4. Development must not commence for the Pipeline, High Lift Pump Station (HLPS), Microwave Tower, and 3.3Kv cabling and associated structures until the applicant has lodged with ACTPLA and obtained approval for the revised drawings and information required at Condition A7 above.	PC	
ACT Notice of Decision 201017858	ACT B05	B5. The recommendations contained within the following report, as approved and endorsed by the ACT Heritage Council are fully complied with to the satisfaction of the ACT Heritage Council prior to the commencement of works on site: (a) A Cultural Heritage Assessment (Murrumbidgee to Googong Water Transfer Project. Cultural Heritage Assessment including Subsurface Testing Program). NOTE: See Part C for further conditions relating to Heritage.	PC	

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ACT Notice of Decision 201017858	ACT B06	<p>B6. A Construction Environment Management Plan must be endorsed by PCL TAMS and the Environment Protection Agency (EPA) prior to the commencement of works on site. The CEMP must include as a minimum, the following sub-plans and mitigation measures: (a) an Integrated Risk Management sub-plan that aligns to AS/NZS ISO 31000:2009 - Risk Management Principles and Guidelines. The applicant will submit a report to ACTPLA, prepared and endorsed by the person as defined in Condition A2, to ensure implementation of the Integrated Risk Management sub-plan during construction and ongoing operational phases; NOTE: See E20 and E21 of this Decision for further advice regarding this plan. (b) a Soils and Water Management sub-plan that details the mitigation and management of impacts on soils, erosion, sedimentation, water quality and the hydrological environments during construction and operation works be endorsed by EPA; (c) a Waste Management sub plan that includes disposal requirements, measures to prevent the generation of, and measures to reduce, re-use or recycle wastes be endorsed by TAMS; (d) a Noise and Vibration Management sub-plan that includes noise control measures and monitoring during construction and operation phase be endorsed by EPA; and (e) an Air and Dust Management sub-plan to implement the mitigation measures to control dust from exposed areas, stockpiles, plant equipment and unsealed roads be endorsed by EPA. NOTE: The CEMP may contain plans and management strategies listed elsewhere within the conditions of approval. Where these plans can be integrated into the CEMP, it must be clearly identified to which condition of approval the plan or management strategy applies</p>	PC	

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ACT Notice of Decision 201017858	ACT B07	B7. Prior to the commencement of works a Rehabilitation & Landscape Management Plan that details the rehabilitation management and activities necessary to assess and rehabilitate areas impacted by the construction of the Murrumbidgee to Googong pipeline works must be endorsed by the PCL TAMS and the EPA. The plan must include as a minimum, the following sub-plans and mitigation measures: (a) an Aquatic Ecology Management sub-plan that details the procedures to manage and minimise the potential impact on aquatic environments; and (b) a Flora and Fauna Management sub-plan that details the mitigation and management of impacts on flora and fauna including weed control during construction and operation phase.	PC	
ACT Notice of Decision 201017858	ACT B08	B8. Prior to the commencement of works on site, the applicant must obtain written endorsement from the EPA that the following requirements have been met and approvals have been granted: (a) an Environment Authorisation under the provisions of the Environment Protection Act 1997 for any activity on the site which is listed under Schedule 1 as a Class A activity; (b) a Waterway Works Licence under the provision of the Water Resources Act 2007 for any works within a designated waterway; (c) an Environment Protection Agreement with the EPA for any activity on the site which is listed under Schedule 1 as a Class B activity of the Environment Protection Act 1997; (d) an 'Exemption from the requirement for a licence to take water' to utilise use nonpotable water for construction purposes; and (e) the proposal is to be consistent with 'Environmental Flow guidelines' and accommodate acceptable environmental flows for the ACT. NOTE: 1- see section E below for further advice from the EPA. 2- Contact the Environment Protection Unit, DECCEW for more information on Environmental Authorisation/Agreement details. Contact the Water Resources Unit, DECCEW for more information on Waterway Works Licence and utilisation of non-potable water.	PC	

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ACT Notice of Decision 201017858	ACT B09	B9. No part of the development must commence until a Works Method Statements is submitted to and endorsed by PCL TAMS that covers those works.	Comply. Correspondence with TAMS occurred on 9/9/11. EWMS were sent on 15/12/11.	Correspondence 9/9/11 & 15/12/11.
ACT Notice of Decision 201017858	ACT B10	B10. Prior to the commencement of works on site, the applicant must submit to and obtain the endorsement of PCL TAMS and the EPA for further details of the ejector pipe system associated with the Low Lift Pump Station, including but not limited to: (a) size, location and specification of the discharge structure; (b) velocity of water within and leaving the system; (c) details of the discharge operations; (d) mitigation measures to prevent entrapment of fish moving upstream; and (e) prevention of erosion and sedimentation during operation at the discharge.	PC	
ACT Notice of Decision 201017858	ACT B11	B11. The proponent must obtain all relevant licences under the provisions of the Nature Conservation Act 1980 to the satisfaction of ACT Conservator of Flora and Fauna.	Comply	This audit
ACT Notice of Decision 201017858	ACT B12	B12. A plan to implement the biodiversity offsets provisions of the EIS, developed in consultation with and endorsed by PCL TAMS is submitted to the Authority prior to the commencement of works on site.	PC	
ACT Notice of Decision 201017858	ACT B13	B13. A Bushfire Risk Management Plan must be endorsed by the Emergency Services Agency (ESA) prior to the commencement of works on site.	PC OOC 01 – Table 2.3 of the Plan commits to having Fire Danger Rating signs at various locations. Only 1 sign is present on site (Compound)	BRMP

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ACT Notice of Decision 201017858	ACT B14	B14. Prior to works commencing on site a Temporary Signage Plan that details signage in public places, and within the recreational areas noted as sensitive receivers in the EIS must be submitted to ACTPLA for approval. The plan must include information on blasting, construction and traffic movements within the area and any potential disturbance/annoyance that this might have on recreational activities.	PC	
ACT Notice of Decision 201017858	ACT B15	B15. In accordance with the Roads and Public Places Act 1937 no work be undertaken on road verges and other unleased Territory Land without the approval of the Senior Manager AA, TAMS.	N/A	
ACT Notice of Decision 201017858	ACT B16	B16. A Certificate of Design Acceptance be obtained from the Senior Manager, AA, TAMS for all infrastructure works, including landscape works that are to be handed over to the Territory. The following must be submitted to and approved prior to the commencement of works on site: (a) detailed drawings (civil, landscape) prepared by suitably qualified persons for all off-site works including roads, storm water, landscaping; (b) a Waste Management Plan in accordance with the Development Control Code for Best Practice Waste Management in the ACT, and (c) any other issues that may be found by audit of the plans.	N/A	

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ACT Notice of Decision 201017858	ACT B17	B17. Prior to the commencement of works on site, the following requirements must be submitted to and approved by the Senior Manager, AA, TAMS: (a) a Notice of Commencement of Construction. This notice must be submitted to the Senior Manager, AA, TAMS one week prior to the commencement of construction works on site. Notice must include the confirmation of any protective measures installed in accordance with the approved Landscape Management Protection Plan and programmed implementation of the Temporary Traffic Management Plan. (b) a dilapidation survey and associated report for all public roads to be used for construction traffic; (c) a detailed Construction (Temporary) Parking Plan for the building phase. This plan must take into account all construction/demolition vehicles and equipment, and construction workers vehicles, and how and where they will be accommodated within the site; and (d) a Landscape Management and Protection Plan (LMPP) in accordance with City Management Guidelines for the Protection of Public Landscape Assets Adjacent to Development Works-REF-04.	PC	
ACT Notice of Decision 201017858	ACT B18	B18. Prior to the commencement of works on site, the following requirements must be submitted to and approved by the Manager, Traffic Management and Safety, Roads ACT, TAMS: (a) a Temporary Traffic Management (TTM) plan, prepared by a suitably qualified person. This plan is to address, as a minimum, measures to be employed during construction to manage all traffic, including construction traffic, in and around the site, provision of safe pedestrian movement around the site, the provision of parking for construction workers, and associated traffic control devices; and (b) a Temporary Traffic Management sub-plan that includes truck movements to and from the construction sites, interactions with general public and property access, parking and access requirements for construction personnel and safety signage and training of personnel in traffic management.	PC	

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ACT Notice of Decision 201017858	ACT B19	B19. Traffic Control Device drawings for all new and amended works must be submitted to the Senior Manager, AA, TAMS for approval prior to the installation of such devices.	PC	
ACT Notice of Decision 201017858	ACT B20	B20. During the month of October, and prior to works commencing within the parts of the pipeline east of the Monaro Highway, the applicant must survey the area subject to works for the pipeline within Block 119 District of Tuggeranong to determine the exact location of any <i>Swainsona recta</i> plants.	PC	
ACT Notice of Decision 201017858	ACT B21	B21. Prior to the commencement of works for the Low Lift Pump Station and Angle Crossing Beach a plan that details restoration of Angle Crossing Recreation Area, must be endorsed by PCL TAMS and the EPA.	PC	
ACT Notice of Decision 201017858	ACT B22	B22. Prior to the closure of Angle Crossing beach the applicant must submit to ACTPLA a written agreement endorsed by ACTEW and PCL TAMS for the undertaking of offsite works to the Tharwa Sandwash recreation area that will be carried out prior to the closure of the Angle Crossing beach.	PC	
ACT Notice of Decision 201017858	ACT C02	C2. The applicant must take all reasonable steps and precautions to avoid disturbance of all <i>Swainsona recta</i> plants and habitat within the site.	Comply.	Inspections.
ACT Notice of Decision 201017858	ACT C03	C3. In the case it is not possible to avoid disturbing the <i>Swainsona recta</i> and nearby habitat the applicant must, prior to disturbing them, develop an offset strategy to mitigate the impacts on this species. This strategy must include research into the best methods for translocation, the translocation of the effected plants, and re-establishment of these plants within an appropriate location to the satisfaction of the Conservator.	N/A	

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ACT Notice of Decision 201017858	ACT C04	C4. The Stage 2 subsurface testing program recommended in the report A Cultural Heritage Assessment (Murrumbidgee to Googong Water Transfer Project. Cultural Heritage Assessment including Subsurface Testing Program) and outlined in the Proposed Methodology, Stage 2 Archaeological Subsurface Testing Program (Aboriginal Heritage Murrumbidgee to Googong Water Transfer Project report) is implemented in accordance with the ACT Heritage Council advice at Attachment 1 of this Decision, and a report is submitted to and endorsed by the ACT Heritage Council, prior to the development impacts occurring.	PC	
ACT Notice of Decision 201017858	ACT C05	C5. All impact mitigation measures outlined in the Murrumbidgee to Googong Water Transfer Project Cultural Heritage Assessment including Subsurface Testing Program report must be implemented at the appropriate times.	PC	
ACT Notice of Decision 201017858	ACT C06	C6. If any unanticipated discoveries are located once construction commences the Unanticipated Discovery Protocol (UDP) outlined in Appendix 8 of the Murrumbidgee to Googong Water Transfer Project Cultural Heritage Assessment including Subsurface Testing Program report must be implemented.	Comply. No unanticipated discoveries to date.	Interview.

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ACT Notice of Decision 201017858	ACT C07	<p>C7. The following requirements must be initiated and maintained for the duration of the works in accordance with the Rehabilitation & Landscape Management Plan required at Condition B7, to the satisfaction of PCL TAMS: (a) the existing vegetation (trees, shrubs and grass) located on the verge and unleased Territory land immediately adjacent to the development will be managed, protected and maintained; (b) the areas subject to excavation, construction works, construction traffic, or installation of construction facilities/sheds must be fenced off, prior to those works/activities commencing; (c) the management and/or removal of native and exotic vegetation; and (d) all areas impacted by construction works must be rehabilitated prior to completion of the development.</p> <p>NOTES: 1- Refer to Section E and Appendix 1 for information about approvals that may be required for construction. 2- Conditions A3 and A4 must be completed to the satisfaction of ACTPLA prior to the completion of construction and any required rehabilitation works on the site.</p>	<p>Comply.</p> <p>a) Easement fencing and individual tree fencing is protecting trees within and adjacent to the pipeline project.</p> <p>b) Man-proof fencing is present at the LLPS, HLPs and compound. The pipeline easement has boundary fencing.</p> <p>c) Native vegetation has been removed and managed in accordance with the LMPP.</p> <p>d) Rehabilitation is progressive and occurring</p>	<p>Site inspections</p> <p>Previous audit.</p>

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ACT Notice of Decision 201017858	ACT C08	C8. The following requirements must be initiated and maintained for the duration of the works in accordance with the plans required under Conditions B15, B15 & B17, to the satisfaction of the Senior Manager, AA, TAMS: (a) that any damage to road surfaces recognised as a result the Dilapidation Survey must be reinstated to pre-construction condition to the satisfaction of TAMS as required during construction and prior to the completion of work; (b) that the site and surrounds must be managed in accordance with the Traffic Management Plan; and (c) that all existing vegetation (trees, shrubs and grass) located on the verge and unleased Territory land immediately adjacent to the development is managed, protected and maintained in accordance with the LMMP.	Comply	Site inspections.
ACT Notice of Decision 201017858	ACT C09	C9. Temporary Traffic Management must be initiated and maintained for the duration of the works in accordance with the plans required under Conditions B18, to the satisfaction of the Manager, Traffic Management and Safety, Roads ACT, TAMS.	Comply	Site inspections
ACT Notice of Decision 201017858	ACT C10	C10. The development must comply with the ActewAGL minimum clearances to overhead conductors. Ref ActewAGL Drawing 3811-004.	N/A	
ACT Notice of Decision 201017858	ACT C11	C11. Prior to completion of the development a Monitoring and Research Program for the aquatic ecosystem including fish, in both in the Murrumbidgee and Burra/Googong be developed in consultation with and approved by the Research and Planning unit, PCL TAMS.	Comply	ALS Monitoring Reports. Interview S Webber.
ACT Notice of Decision 201017858	ACT E01	E1. Proponent is required to contact ActewAGL prior to the commencement of any development activity to negotiate the connection of new and/or relocation of existing electricity assets.	N/A	

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ACT Notice of Decision 201017858	ACT E02	E2. WARNING ActewAGL underground cables may be in or adjacent to this block. It is your responsibility to ascertain the location of such assets. Development and Building Applications will need to include any proposed ActewAGL works. If ActewAGL approval conditions are not met, a breach of the law may result. Separate applications are required for water & sewerage, and communication network services. Construction of unapproved works may result in action being taken to require the property owner to remove non-compliant structures and/or the property owner to fund rectification works on ActewAGL's electricity network. Any attached reticulation or servicing plan is preliminary only. Contact ActewAGL for final plans prior to the commencement of any construction activity. A failure of this application to show accurately located electricity assets may result in damage and costs for which the proponent will be liable. Damage to network assets must be reported to ActewAGL.	N/A	
ACT Notice of Decision 201017858	ACT E03	E3. Where incorporated into the project, access trails and gateways should be constructed to allow the access and egress of fire fighting vehicles. Trails must be 4m wide and clear overhead to a height of 4.5 m, suitable to travel by a 23t truck. If the access trail is a dead end, a turnaround at the end of the trail, a minimum of 21 m wide, is to be constructed to allow emergency vehicles to turn safely. Where works prevent travel along existing fire trails or access ways, alternate access, as described above, should be provided.	Comply. Access to fire-fighting vehicles is possible along the access road being constructed adjacent to the pipeline for construction plant access.	Interview.
ACT Notice of Decision 201017858	ACT E04	E4. Any restriction of roadway access should be communicated in writing where possible. In instances where roads will be closed at short notice, ACTFB communications centre is to be advised on 02 6207 8333.	N/A	
ACT Notice of Decision 201017858	ACT E05	E5. The ACTFB welcomes the Proponents invitation to be involved in developing their Emergency response plan.	N/A	

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ACT Notice of Decision 201017858	ACT E06	E6. Water supply for fire fighting purposes is required in accordance with previous advice. \Spring valve\ type hydrants are the most common style of hydrant used within the ACT and are suggested for this development. Hydrants are required to be located on a hard standing surface. Location of hydrants is requested once construction is complete, to allow data to be incorporated into ACTFB Computer Aided Dispatch system.	N/A	
ACT Notice of Decision 201017858	ACT E07	E7. In the event of an emergency occurring, significant delays may be experienced prior to the arrival of emergency services. The scope of the Proponent\'s bushfire management planning is welcomed and ESA looks forward to being involved in the development and review of the Proponents Bushfire Management Plan prior to commencement of works.	N/A	
ACT Notice of Decision 201017858	ACT E08	E8. In relation to the Emergency and Incident Response Management Plan (the \plan\), WorkSafe ACT are not responsible for endorsing plan. ACTEW: will need to develop the plan in association with the Work Safe Act 2008 and the Work Safe Regulation 2009.	N/A	
ACT Notice of Decision 201017858	ACT E09	E9. Under the Water Resources Act 2007, the proponent is required to hold an appropriate Water Access Entitlement and Licence To Take Water prior to extraction of any water from Murrumbidgee River for delivery to Googong Reservoir. Contact Environment Protection Authority (Water Resources) for more information: via telephone 132281.	PC	
ACT Notice of Decision 201017858	ACT E10	E10. Water may be taken from non potable sources for the purpose of short term construction activities, however, the proponent will need to apply for and be granted an Exemption from the requirement for a Licence To Take Water, before any non-potable water may be taken. Please note a water exemption is generally intended for construction activities other than dust suppression. Contact Environment Protection Authority (Water Resources) for more information: via telephone 132281.	PC	

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ACT Notice of Decision 201017858	ACT E11	E11. This application involves alteration of designated waterways (Murrumbidgee River; several minor drainage lines), therefore a Waterway Works Licence is required prior to work commencing. A Waterway Works Licence application may be obtained from Environment Protection Authority (Water Resources) and an application should include a construction method statement that outlines the sequence of work and environmental controls. Contact Environment Protection Authority (Water Resources) for more information: Telephone 132281, or GPO Box 158, Canberra ACT 2601.	PC	
ACT Notice of Decision 201017858	ACT E12	E12. An Environmental Authorisation will be required for these works. The following activities require an Environment Authorisation under the Environment Protection Act 1997: - Extraction of material from a waterway - Operation of equipment designed to extract more than 30,000t per year of material from land outside of a waterway; - Placement of soil on land; - Crushing, grinding or separating materials (this may be triggered, further discussion is required).	PC	
ACT Notice of Decision 201017858	ACT E13	E13. Prior to construction the proponent is to provide the Erosion and Sediment Control Plans to TaMS and the Environment Protection Authority for consideration and approval.	PC	
ACT Notice of Decision 201017858	ACT E14	E14. The proponent has requested the Environment Protection Authority to consider a noise compliance point for the low lift pump station to be \The northern end of the Angle Crossing beach Recreational Area\. The Authority has considered the compliance point for the low lift pump station and advises that the compliance will be at \the Northern End of the Angle Crossing Beach Recreational Area\.	N/A	

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ACT Notice of Decision 201017858	ACT E15	E15. The primary aim of all rehabilitation/revegetation efforts should be to use local provenance local native species rather than '\local seed stock where possible\' as currently noted in the development application. Any usage of introduced straw or other mulch materials must ensure minimal weed seed content and maximum cleanliness.	Comply. The Landscape Rehabilitation Management Plan refers to local provenance local species. Seed has been sourced from Yass and Gundaroo, as well as Wagga (<i>Chloris truncata</i>)	Natural Capital Seed Delivery Data Sheet 24/8/11
ACT Notice of Decision 201017858	ACT E16	E16. The details provided in the development application for rehabilitation/revegetation of the Low and High Lift Pump Stations are considered acceptable with plant species exceptions noted below. Low Lift Pump Station Indicative Planting Palette - The use of <i>Eucalyptus camaldulensis</i> or <i>Casuarina cunninghamiana</i> is not supported. <i>Eucalyptus viminalis</i> is acceptable. Alternative species could include <i>Eucalyptus rubida</i> , <i>Callitris endlicheri</i> and <i>Banksia marginata</i> .	N/A	
ACT Notice of Decision 201017858	ACT E17	E17. <i>Muehlenbeckia tuggeranong</i> is a threatened species and is not available from retail nurseries. Unless plants can be obtained from the National Botanic Gardens, a licence will be required under the Nature Conservation Act 1980 to take cuttings from wild growing species. Its '\former known\' or likely distribution should also be checked to confirm suitability.	N/A	
ACT Notice of Decision 201017858	ACT E18	E18. The use of <i>Hymenanthera dentata</i> and <i>Leptospermum continentale</i> are not supported. <i>Poa labillardieri</i> could be included as an appropriate grass/groundcover.	Comply. Neither <i>Hymenanthera dentata</i> nor <i>Leptospermum continentale</i> are currently being used.	Natural Capital Seed Delivery Data Sheet 24/8/11

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ACT Notice of Decision 201017858	ACT E19	E19. Licences under the provisions of the Nature Conservation Act 1980 will be required prior to the commencement of construction. These include to: (a) take and release, and take and kill, aquatic animals caught in the cofferdams (the species are likely to include threatened aquatic species such as Macquarie Perch, recently recorded at the low lift pump station site, Murray River Crayfish and Trout Cod); (b) fell or remove native timber; (c) interfere or remove native timber; (d) take and release native animals; and (e) take native plants. Note: A separate licence will be issued for the <i>Swainsona recta</i> , with specific licence conditions.	PC	
ACT Notice of Decision 201017858	ACT E20	E20. The licence to extract water will be in keeping with environmental flow guidelines. This commitment was made by the proponent during the preparation of the EIS. The condition must take into account the effects of extraction on, and by, downstream users. It should also consider any new information which may be forthcoming as a result of ecological investigations that may be used to maintain or enhance the ecological values of the Murrumbidgee River in an adaptive management forum.	N/A	
ACT Notice of Decision 201017858	ACT E21	E21. The operation of the pumps may have an impact on Burra Creek within Googong Foreshore which is managed by the Territory. For example, the discharge is likely to affect the ability for visitors and staff to cross Burra Creek. This may require upgrading of vehicle and foot crossings at a number of locations.	N/A	
NSW Office of Environment and Heritage Environmental Protection Licence 13322				
OEHL EPL L1	Pollution of Waters	L1.1: Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.	Comply No breaches of s120 of the PoEO Act have occurred to date.	Water quality records. Incident Records Site inspections

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OEH EPL L5	Waste	L5.1: The licence must not cause, permit or allow any waste generated outside the premises to be received at the premises for storage, treatment, processing, reprocessing or disposal or any waste generated at the premises to be disposed of at the premises, except as expressly permitted by the licence.	Comply. No off-site waste has been received by the project to date. Illegal dumping of asbestos occurred, which was removed by a licensed contractor.	Interview P. Sheahan								
OEH EPL L6	Noise Limits	L6.1: Noise generated by the pipeline and associated water discharge must not exceed the noise limits presented in the tables at Conditions L6.2 and L6.3. Note: the noise limits apply to the noise contribution from the Murrumbidgee to Googong Water Transfer pipeline only.	N/A									
OEH EPL L6	Noise Limits	L6.2: Pipeline operation (pumping operation-water transfer) <table border="1" data-bbox="674 887 1189 1150"> <thead> <tr> <th>Location</th> <th>Day LAeq(15 minute)</th> <th>Evening LAeq(15 minute)</th> <th>Night LAeq(15 minute)</th> </tr> </thead> <tbody> <tr> <td>Any NSW receiver</td> <td>35</td> <td>35</td> <td>35</td> </tr> </tbody> </table>	Location	Day LAeq(15 minute)	Evening LAeq(15 minute)	Night LAeq(15 minute)	Any NSW receiver	35	35	35	N/A	
Location	Day LAeq(15 minute)	Evening LAeq(15 minute)	Night LAeq(15 minute)									
Any NSW receiver	35	35	35									

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OEHL EPL L6	Noise Limits	L6.3: Water discharge <table border="1"> <thead> <tr> <th>Location</th> <th>Day LAeq(15 minute)</th> <th>Evening LAeq(15 minute)</th> <th>Night LAeq(15 minute)</th> </tr> </thead> <tbody> <tr> <td>11- "Podmore"</td> <td>35</td> <td>35</td> <td>35</td> </tr> </tbody> </table>	Location	Day LAeq(15 minute)	Evening LAeq(15 minute)	Night LAeq(15 minute)	11- "Podmore"	35	35	35	N/A	
Location	Day LAeq(15 minute)	Evening LAeq(15 minute)	Night LAeq(15 minute)									
11- "Podmore"	35	35	35									
OEHL EPL L6	Noise Limits	L6.4: For the purpose of Conditions 6.2 and 6.3: <ul style="list-style-type: none"> Day is defined as the period from 7am to 6pm Monday to Saturday and 8am to 6pm Sundays and Public Holidays Evening is defined as the period from 6pm to 10pm Night is defined as the period from 10pm to 7am Monday to Saturday and 10pm to 8am Sundays and Public Holidays 	N/A									
OEHL EPL L6	Noise Limits	L6.5: The noise limits set out in Conditions 6.2 and 6.3 apply under all meteorological conditions except for the following: wind speeds greater than 3 metres/second at 10 metres above ground level.	N/A									

Approval / Permit / Licence	Reference	Description	Audit Finding	Evidence
OEH EPL L6	Noise Limits	<p>L6.6: To determine compliance with the noise limits set out in Conditions 6.2 and 6.3:</p> <p>a) The noise monitoring equipment must be located:</p> <ul style="list-style-type: none"> • Within 30 metres of a dwelling façade where any dwelling on the property is situated more than 30 metres from the easement boundary which is closest to the dwelling; • Approximately on the boundary where any dwelling is situated 30 metres or less from the easement boundary that is closest to the dwelling; • Within approximately 50 metres of the boundary of a National Park or Nature Reserve. <p>b) The noise monitoring equipment must be located in a position that is:</p> <ul style="list-style-type: none"> • At the most affected point at a location where there is a dwelling at the location; or • At the most affected point within an area at a location described by condition L6.6(a). 	N/A	
OEH EPL L6	Noise Limits	<p>L6.7: An exceedance will still occur where noise generated from the pipeline in excess of the appropriate limit specified in the Condition L6.2 and 6.3 is detected:</p> <ul style="list-style-type: none"> • In an area at a location other than an area prescribed by Condition L6.6; and/or • At a point other than the most affected point at a location. 	N/A	

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OEH EPL L6	Noise Limits	L6.8: For the purposes of determining the noise generated at the premises, the modification factors in Section 4 of the NSW Industrial Noise Policy must be applied, as appropriate, to the noise levels measured by the noise monitoring equipment.	N/A	
OEH EPL L7	Blasting Limits	(Note that the blasting conditions L7.1 to 7.5 respectively apply to all receiver locations) L7.1: The overpressure level from blasting operations at the premises must not exceed 120dB (Lin Peak) at any time. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.	Non-Compliance Exceedence occurred during blast at mini-hydro on 28/9/11. Exceedence of overpressure was 0.3 dB (lin). Incident was reported and an investigation undertaken	Incident Register.
OEH EPL L7	Blasting Limits	L7.2: The overpressure level from blasting operations at the premises must not exceed 115dB (Lin Peak) for more than five per cent of the total number of blasts over each reporting period. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.	Non-compliance. 2 blasts have occurred, one of which resulted in a non-compliance.	Incident Register.
OEH EPL L7	Blasting Limits	L7.3: Ground vibration peak particle velocity from the blasting operations at the premises must not exceed 10mm/sec at any time. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded	Non-compliance. A blast at the mini-hydro on 28/9 resulted in an exceedance of vibration of 4.07 mm/s. Incident was reported and an investigation undertaken	Incident Register
OEH EPL L7	Blasting Limits	L7.4: Ground vibration peak particle velocity from the blasting operations at the premises must not exceed 5mm/sec for more than five	Non-compliance. 2 blasts have occurred, one of which resulted in a non-compliance.	Incident Register.

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OEH EPL L7	Blasting Limits	L7.5: Blasting operations at the premises may only take place between 9:00am-3:00pm Monday to Friday. (Where compelling safety reasons exist, the Authority may permit a blast to occur outside the abovementioned hours. Prior written (or facsimile) notification of any such blast must be made to the Authority)	Comply Both blasts have occurred at 2:30pm	Blast records
OEH EPL L7	Blasting Limits	L7.6: To determine compliance with conditions L7.1 to L7.4: a) Airblast overpressure and ground vibration levels must be measured and electronically recorded for all blasts carried out, in or on the premises; and b) Instruments used to measure the airblast overpressure and ground vibration levels must meet the requirements of Australian Standards AS 2187.2-2006.	N/A	
OEH EPL L8	Construction Noise	L8.1: The proponent shall implement the Noise and Vibration Management Plan, dated September 2010 and prepared by ACTEW Corporation Ltd. Specific requirements included as conditions in this Environment Protection Licence take precedence over requirements included in the Noise and Vibration Management Plan.	PC	
OEH EPL O1	Activities must be carried out in a competent manner	O1.1: Licensed activities must be carried out in a competent manner. This includes: a) The processing, handling, movement and storage of materials and substances used to carry out the activity; and b) The treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.	Comply Site management staff have been competent to date in carrying out the project.	Site inspections

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OEH EPL O2	Maintenance of plant and equipment	O2.1: All plant and equipment installed at the premises or used in connection with the licensed activity: a) Must be maintained in a proper and efficient condition; and b) Must be operated in a proper and efficient manner.	Comply	ER Inspections. Site inspection
OEH EPL O3	Dust	O3.1: The premises must be maintained in a condition which minimises and prevents the emission of dust from the premises.	Comply No evidence of dust issues to date	Air quality records Complaints records
OEH EPL M1	MONITORING AND RECORDING CONDITIONS Monitoring records	M1.1: The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.	N/A	
OEH EPL M1	Monitoring records	M1.2: All records required to be kept by this licence must be: a) In a legible form, or in a form that can readily be reduced to a legible form; b) Kept for at least 4 years after the monitoring or event to which they relate took place; and c) Produced in a legible form to any authorised officer of the EPA who asks to see them.	a) Comply b) N/A c) N/A	Incident Register Incident reports Blast records

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OEH EPL M1	Monitoring records	M1.3: The following records must be kept in respect of any samples required to be collected for the purposes of this licence: a) The date(s) on which the sample was taken; b) The time(s) at which the sample was collected; c) The point at which the sample was taken; and d) The name of the person who collected the sample.	Comply	Lotus notes includes prompts for this information.
OEH EPL M4	Recording of pollution complaints	M4.1: The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.	Comply	Complaints register
OEH EPL M4	Recording of pollution complaints	M4.2: The record must include details of the following: a) The date and time of the complaint; b) The method by which the complaint was made; c) Any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect; d) The nature of the complaint e) The action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and f) If no action was taken by the licensee, the reasons why no action was taken.	Comply	Complaints Register
OEH EPL M4	Recording of pollution complaints	M4.3: The record of complaint must be kept for at least 4 years after the complaint was made.	N/A	

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OEH EPL M4	Recording of pollution complaints	M4.4: The record must be produced to any authorised officer of the EPA who asks to see them.	N/A	
OEH EPL M5	Telephone complaints line	M5.1: The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.	Comply	
OEH EPL M5	Telephone complaints line	M5.2: The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.	Comply	
OEH EPL M5	Telephone complaints line	M5.3: Conditions M5.1 and M5.2 do not apply until 3 months after: <ul style="list-style-type: none"> a) The date of issue of this licence or b) If this licence is a replacement licence within the meaning of the Protection of the Environment Operations(Savings and Transitional) Regulation 1998, the date on which a copy of the licence was served on the licensee under clause 10 of that regulation. 	N/A	

Approval / Permit / Licence	Reference	Description	Audit Finding	Evidence
OEH EPL R1	Annual return documents	<p>What documents must an Annual Return contain?</p> <p>R1.1: The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:</p> <ul style="list-style-type: none"> a) A Statement of Compliance; and b) A Monitoring and Complaints Summary. <p>A copy of the form in which the Annual Return must be supplied to the EPA accompanies this licence. Before the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.</p>	N/A	
OEH EPL R1	Annual return documents	<p>Period covered by Annual Return</p> <p>R1.2: An Annual return must be prepared in respect of each reporting period, except as provided below:</p> <p>Note: the term 'reporting period' is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.</p>	N/A	

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OEH EPL R1	Annual return documents	<p>R1.3: Where this licence is transferred from the licensee to a new licensee:</p> <ul style="list-style-type: none"> a) The transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for transfer of the licence to the new licensee is granted; and b) The new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period. <p>Note: An application to transfer a licence must be made in the approved form for this purpose.</p>	N/A	
OEH EPL R1	Annual return documents	<p>R1.4: Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:</p> <ul style="list-style-type: none"> a) In relation to the surrender of a licence – the date when notice in writing of approval of the surrender is given; or b) In relation to the revocation of the licence – the date from which notice revoking the licence operates. 	N/A	

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OEH EPL R1	Annual return documents	<p>Deadline for Annual Return</p> <p>R1.5: The Annual Return for the reporting period must be supplied to the EPA by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').</p>	<p>N/A</p> <p>Deadline is 11 January 2012. Annual Return not yet submitted.</p>	
OEH EPL R1	Annual return documents	<p>Licensee must retain copy of Annual Return</p> <p>R1.7: The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.</p>	N/A	
OEH EPL R1	Annual return documents	<p>Certifying of Statement of Compliance and signing of Monitoring and Complaints Summary</p> <p>R1.8: Within the Annual Return, the Statement of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:</p> <ul style="list-style-type: none"> a) The licence holder; or b) By a person approved in writing by the EPA to sign on behalf of the licence holder. 	N/A	
OEH EPL R1	Annual return documents	<p>R1.9: A person who has been given written approval to certify a certificate of compliance under a licence issued under the Pollution Control Act 1970 is taken to be approved for the purpose of this condition until the date of first review of the licence.</p>	N/A	

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OEH EPL R2	Notification of environmental harm	Note: the licensee or its employees must notify the EPA of incidents causing or threatening material harm to the environment as soon as practicable after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act R2.1: Notifications must be made by telephoning the Environment Line service on 131 555.	Comply. Two incidents have been notified to OEH.	Incident register and records
OEH EPL R2	Notification of environmental harm	R2.2: The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.	Comply. A request was made to extend this for the Hydrostatic test incident.	Correspondence
OEH EPL R3	Written report	R3.1: Where an authorised officer of the EPA suspects on reasonable grounds that: a) Where this licence applies to premises, an event has occurred at the premise; or b) Where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence, and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off the premises to which the licence applies), the authorised officer may request a written report of the event.	N/A	
OEH EPL R3	Written report	R3.2: The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.	N/A	

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OEH EPL R3	Written report	<p>R3.3: The request may require a report which includes any or all of the following information:</p> <ul style="list-style-type: none"> a) The cause, time and duration of the event; b) The type, volume and concentration of every pollutant discharged as a result of the event; c) The name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event; d) The name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort; e) Action taken by the licensee in relation to the event, including any follow-up contact with any complainants; f) Details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and g) Any other relevant matters. 	N/A	
OEH EPL G1	Copy of licence kept at premises	G1.1: A copy of this licence must be kept at the premises to which the licence applies.	Comply	

NSW Office of Water Permit 40PE003350

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NOW Permit 40PE003350		<p>NSW Office of Water Conditions Statement referred to on 40PE003350 Issued under Part II of the Water Act, 1912 on 25-Oct-2010</p> <p>1) The authorised work shall not be used for industrial purposes/(dust suppression) unless there is a visible flow in Burra Creek immediately downstream of the extraction point and this flow is to be maintained downstream of the extraction point.</p>	<p>OOC 02.</p> <p>A robust system is not yet in place.</p>	
ACT Environmental Authorisation 0802 (as amended February 2011)				
ACT Environmental Authorisation 0802	1	<p>1. Compliance with Environmental Authorisation</p> <p>The Authorisation holder shall:</p> <p>a) Comply with any authorisation condition immediately where no time for compliance has been stated; and</p> <p>b) Notify the Authority in writing within 2 working days of becoming aware of;</p> <p style="margin-left: 20px;">i. Any event that causes, or is likely to cause, any authorisation condition to be exceeded; or</p> <p style="margin-left: 20px;">ii. Any monitoring data that show that a condition of the authorisation has been exceeded.</p>	<p>Comply</p> <p>Notification in writing was issued for hydrostatic testing incident</p>	E-mail correspondences.

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ACT Environmental Authorisation 0802	2	<p>2. Activities must be carried out to protect the environment</p> <p>2.1 All activities carried out on the site shall be carried out in such a manner that adverse impact on the environment is minimised.</p>	<p>Comply.</p> <p>CEMP is being implemented (see previous audit reports). In general, the site is being managed to avoid and minimise impacts on the environment.</p>	Site inspections, audits.
ACT Environmental Authorisation 0802	3	<p>3. Maintenance of plant and equipment</p> <p>3.1 All plant and equipment installed or used in or on the site shall be maintained in a safe and good condition and in accordance with manufacturer's recommendations.</p> <p>3.2 Records of all maintenance and repairs performed on pollution control equipment including drainage systems, interceptors, separators and infrastructure shall be kept on site for a period of 2 years and made available to the Authority on request.</p> <p>"plant and equipment" includes drainage systems, infrastructure and pollution control equipment.</p>	<p>3.1 – Comply</p> <p>3.2 – N/A</p>	Vehicle inspection records
ACT Environmental Authorisation 0802	4	<p>4. Environmental Practices</p> <p>4.1 The Authorisation holder shall minimise emissions to the environment by:</p> <p>a) Adopting the practices set out in Schedule 2.</p>	N/A	

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ACT Environmental Authorisation 0802	5	<p>5. Compliance with Australian Standards, Industry Codes of Practice and Policies</p> <p>5.1 The Authorisation holder shall comply with the provisions of the following Australian Standards, Guidelines, Industry Codes of Practice and Policies provided such provisions are not in conflict with the conditions in this Authorisation, and the provisions of any policies made by the Authority.</p> <ul style="list-style-type: none"> • AS 1940 – The Storage and Handling of Flammable and Combustible Liquids, Standards Association of Australia. • AS 2187.2-2006 Explosives – Storage and use – Use of explosives • AS 4282-1997 Control of the obtrusive effects of outdoor lighting • AS 2436-1981 Guide to noise control on construction, maintenance and demolition sites • AS/NZS 5667.1-1998 Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples. • Environment Protection Guidelines for Construction and Land Development in the ACT, August 2007 • Environment Protection Policies prepared under the Environment Protection Act 1997 • ACT Code of Forest Practice, Version 1, August 2005 	<p>AS 1940: Comply.</p> <p>Dangerous goods sheds are bunded, have ventilation, are lockable and have an internal valve. The largest container has approximately 25L volume.</p> <p>AS 2187 and AS 4282: N/A</p> <p>AS 2436. Interim Construction Noise Guidelines (previously audited)</p> <p>AS/NZS 5667.1: ALS have provided materials and work methods for when sampling of water is undertaken.</p>	

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ACT Environmental Authorisation 0802	6	<p>6. Fuel Storage</p> <p>6.1 Where there are fuel storage tanks on the site the Authorisation holder shall ensure the tanks and associated pipe work are maintained in good condition. The proposed method of demonstrating the integrity of the tanks and associated pipe should be incorporated into the Authorisation holders Environment Management Plan required under section 17 of this schedule.</p> <p>6.2 Further to the provisions of section 6.1, special requirements are applied to the abandonment of any aboveground or underground tanks and should the need arise, the Authorisation holder agrees to contact the Authority and:</p> <p>Office of Regulatory Services Dangerous Substances and Workers' Compensation Telephone: 02 6205 0200 Facsimile: 02 6205 0336 Block B, Level 3 Callam Offices Easty Street WODEN ACT 2606 (GPO Box 158, CANBERRA ACT 2601)</p>	<p>6.1 – N/A. None on site</p> <p>6.2 – N/A. None on site</p>	

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ACT Environmental Authorisation 0802	7	<p>7. Reporting of environmental harm</p> <p>7.1 In the event that an incident has caused, is causing or is likely to cause material or serious environmental harm, whether the harm occurs on or off the site, the Authorisation holder, their employee or agent shall report the incident to the Authority immediately after it becomes known to the Authorisation holder or to their employee or agent in accordance with clause 7.2.</p> <p>7.2 The incident shall be reported to the Authority by telephoning Canberra Connect on 132281 during and outside business hours.</p> <p>7.3 The Authorisation holder shall notify the Authority in accordance with clause 7.2 immediately after becoming aware that land is contaminated in such a way as to present, or to be likely to present –</p> <ul style="list-style-type: none"> a) A significant risk of harm to human health; or b) A risk of material environmental harm or serious environmental harm. <p>7.4 The Authorisation holder, their employee or agent shall also report an incident referred to in clause 7.1 and/or clause 7.3, in writing to the Authority within 2 working days of the incident occurring or becoming aware of the contamination of land. The report must include:</p> <ul style="list-style-type: none"> c) Incident or activity that has caused contamination or environmental harm; d) Nature of contamination and chemicals of concern; e) Area affected (on or off site); f) Aspects of the environment affected; and g) Any other relevant information. <p>7.5 The Authorisation holder shall keep a record of all other incidents in relation to pollution from, or on, the site. These records are to be provided, on request, to the Authority.</p>	Comply. Rodney Dix is being contacted directly when issues arise.	<p>Interview – Peter Sheahan</p> <p>Incident records</p> <p>Correspondences</p>
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ACT Environmental Authorisation 0802	8	8. Record of pollution complaints 8.1 The Authorisation holder shall keep a legible record of all complaints received by its employees or its agents, in relation to pollution associated with activities on the site. This record is to be provided, on request, to the Authority and must be kept for a period of 5 years.	Comply	Complaints register and records
ACT Environmental Authorisation 0802	9	9. Record of activity levels 9.1 The Authorisation holder shall maintain the following records for a period of 2 years: a) Material extracted from a waterway (except water) in tonnes; b) Material extracted from land outside of a waterway in tonnes; and c) Virgin excavated natural material (VENM) accepted for placement in accordance with Schedule 2, Table 8.	Comply	Project records
ACT Environmental Authorisation 0802	10	10. Records to be maintained 10.1 The following records will be maintained and kept by the Authorisation holder for a period of five years: a) Field sampling record sheets and chain-of-custody forms; b) Results of monitoring of soils and groundwater; c) Reconciliation records for all fuels, oils and hazardous materials and wastes utilised and stored on site; and d) Waste disposal certificates for any hazardous wastes disposed off-site.	Comply. All applicable records are currently being maintained.	

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ACT Environmental Authorisation 0802	11	<p>11. Responsible employees</p> <p>11.1The Authorisation holder shall authorise at least two senior employees or agents:</p> <ul style="list-style-type: none"> a) To speak on behalf of the Authorisation holder; and b) To provide any information or document required under this Authorisation. <p>11.2The Authorisation holder shall inform the Authority of the names and telephone numbers (including after hours numbers) of those persons within five (5) working days of this Authorisation coming into force. The details may be provided by facsimile to (02) 6207 6084 or email to Environment.Protection@act.gov.au/</p> <p>11.3The Authorisation holder shall inform the Authority of any change in the information provided under clause 11.2 within five (5) working days of the change. The details may be provided by facsimile to (02) 6207 6084 or email to Environment.Protection@act.gov.au/</p> <p>11.4Any person nominated by the Authorisation holder to meet the requirements of clause 11.2 shall be readily contactable on the person’s nominated telephone numbers.</p>	PC	
ACT Environmental Authorisation 0802	12	<p>12. Authorisation shall be kept on site</p> <p>12.1A copy of this Authorisation shall be kept at the site and shall be available for any employee or agent of the Authorisation holder working at the site.</p>	Comply. Available from website and on intranet.	

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ACT Environmental Authorisation 0802	13	<p>13. Waste</p> <p>13.1 No waste material is to be incinerated on site.</p> <p>13.2 The Authorisation holder shall use licensed waste transporters to transport “controlled/regulated wastes” as defined in the Environment Protection Act 1997 and the Environment Protection Regulation 2005. Information on Controlled Waste handling and transport can be obtained from the Authority on 13 22 81.</p> <p>13.3 The Authorisation holder shall ensure excess spoil and other waste material removed from the site is in accordance with Schedule 2, Table 7.</p>	<p>13.1 – Comply.</p> <p>13.2 – Comply. Asbestos was dumped into the corridor. This was disposed of by a licensed contractor</p> <p>13.3 – Comply. No excess spoil to date.</p>	Interview
ACT Environmental Authorisation 0802	14	<p>14. Hazardous Materials</p> <p>14.1 The Authorisation holder shall store and manage hazardous materials in a manner that prevents adverse impacts on the environment. The handling and storage of hazardous materials should be addressed in the Environment Management Plan required under section 17 of this Schedule.</p>	Comply. Hazardous material storage facilities are located at the LLPS, HLPS and the Compound.	Site inspection
ACT Environmental Authorisation 0802	15	<p>15. Discharge of Stormwater</p> <p>15.1 Discharges from the site are only permitted from sediment control ponds in accordance with Schedule 2, Table 3.</p>	N/A	
ACT Environmental Authorisation 0802	16	<p>16. New designs and innovations</p> <p>16.1 The provisions of this Authorisation are not intended to limit the appropriate use of alternative materials, equipment, designs, or methods because they are not included.</p>	N/A	

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ACT Environmental Authorisation 0802	17	<p>17. Environment Management Plan</p> <p>17.1The Authorisation holder shall prepare and submit Environment Management Plans (EMP's) acceptable to the Authority prior to the commencement of each phase of the project.</p> <p>17.2The EMP's should identify all activities that may have an adverse impact on the environment or the potential to cause environmental harm, and detail the mechanisms employed to prevent or minimise the impact of these activities.</p> <p>17.3The EMP's, once accepted by the Authority are to be implemented. They will also form the basis for future authorisation conditions and environmental improvements.</p> <p>17.4Where a variation to the mechanism employed to prevent or minimise the adverse environmental impacts of the activity or the way in which the activity is carried out as detailed in the endorsed EMP's is proposed, the Authorisation holder must seek endorsement from the Authority for the variation. A revised EMP acceptable to the Authority must be submitted within 3 months of the endorsement of the variation.</p>	PC	

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ACT Environmental Authorisation 0802	18	<p>18. Monitoring Requirements</p> <p>18.1 Air Monitoring</p> <p>a) Air monitoring on the site shall be carried out in accordance with Schedule 2, Table 1, Condition 1.</p> <p>18.2 Surface Water Monitoring</p> <p>a) Water quality in the Murrumbidgee River shall be monitored daily during the construction of the low lift pump, hi lift pump and associated infrastructure for the parameters set out in Schedule 2, Table 2, Condition 1.</p> <p>18.3 Noise Monitoring</p> <p>a) Noise monitoring shall be carried out in accordance with Schedule 2, Table 4, Conditions 2 – 4.</p> <p>18.4 Blasting Monitoring</p> <p>a) Blasting on the site shall be monitored in accordance with Schedule 2, Table 5, Conditions 4 and 5.</p>	<p>18.1 – Comply.</p> <p>18.2 – Comply.</p> <p>18.3 – OFI 02 from the previous audit has not been closed out.</p> <p>OOC 03– confirm with ACT EPA Peter Sheahan’s quals are acceptable to the Authority.</p> <p>18.4 – N/A</p>	
ACT Environmental Authorisation 0802	19	<p>19. Water Quality Standards</p> <p>19.1 Water quality of all sediment control ponds shall be managed with the object of being within the limits for the parameters listed at Schedule 2, Table 3, Condition 3.</p>	N/A	

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ACT Environmental Authorisation 0802	20	<p>20. Reporting Requirements</p> <p>20.1A weekly report, or other period agreed by the Authority, on compliance with all conditions of the Authorisation are to be provided to the Authority on the Monday of the following week. The report will include but is not limited to:</p> <ul style="list-style-type: none"> a) Air monitoring results; b) Water monitoring results; c) Noise monitoring results; d) Blasting monitoring results; e) Controlled discharges from sediment control ponds; and f) Weekly field inspection results of all controls used in the management of pollutants to the environment. <p>20.2 Monitoring results are to be provided, on request, to the Authority.</p> <p>20.3 Where the Nephelometric Turbidity Units (NTU) at location 2 in Schedule 2, Table 2, Condition 1 is greater than 10NTU to that at location 1, the Authority must be notified as detailed in Section 7.</p>	<p>20.1 – Comply.</p> <p>20.2 – N/A</p> <p>20.3 – Comply. No discharges >10NTU have occurred since the automatic dosing and pumping system was implemented</p>	<p>Weekly reports</p> <p>Interview, P Sheahan</p>

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ACT Environmental Authorisation 0802	21	<p>21. Sampling Requirements</p> <p>21.1 Clauses 21.2 and 21.3 do not apply to the sampling and analysis of noise.</p> <p>21.2 All sample collection, analysis and associated paperwork under this Authorisation shall be conducted in accordance with Australian Standard/New Zealand Standard 5667.1:1998, "Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples", and with the American Public Health Association, American Water Works Association, and the Water Pollution Control Federation Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1989, or other standards and methods agreed to by the Authority.</p> <p>21.3 The sample collection shall be undertaken and documented by a suitable qualified person in accordance with clause 21.1. All required documentation shall be countersigned by a person authorised under clause 11.1 and shall be made available for inspection by the Authority. Sample analysis of parameters shall be conducted by a person employed as an analyst in any of the following organisations:</p> <ul style="list-style-type: none"> a) A Government laboratory; b) An Australian university; c) A laboratory where Authorisation parameters are accredited by the National Association of Testing Authorities; or d) A laboratory approved by the Authority. <p>21.4 Clause 21.3 does not apply to the analysis of pH and turbidity.</p>	<p>21.1 N/A</p> <p>21.2 N/A</p> <p>21.3 N/A</p>	

Approval / Permit / Licence	Reference	Description	Audit Finding	Evidence
ACT Environmental Protection Agreement LD 2009 – 014				
ACT Environmental Protection Agreement LD 2009 – 014	1.1.2	<p>The Construction Manager agrees to minimise suspended solids in site runoff to protect the quality of water entering the stormwater system, stream rivers and lakes by:</p> <ul style="list-style-type: none"> • minimising the area of disturbance to retain the maximum area of natural vegetation cover; • installing erosion control devices including silt fences, stormwater inlet sediment traps and stormwater retention structures in accordance with the erosion and sediment control plan, prior to commencement of works; • diverting clean water away from areas of disturbance as necessary; • restricting traffic to a stabilised entry/exit point; • chemically dosing turbid water to settle out suspended solids as necessary to achieve <60 mg/L suspended solids prior to discharging wastewater from its sites; • maintaining adjacent gutters and road surfaces free of soil and building materials; • inspecting and managing any sediment and erosion controls on a weekly basis. 	Comply	Site inspections

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ACT Environmental Protection Agreement LD 2009 – 014	1.2.2	<p>The Construction Manager agrees to:</p> <p>(a) seek approval by the EPA for any changes to the approved erosion and sediment control plan prior to the commencement of construction;</p> <p>(b) advise the EPA of commencement of works; and</p> <p>(c) minimise suspended solids in site run-off to protect the quality of water entering the stormwater system, streams, rivers and lakes by:</p> <ul style="list-style-type: none"> • minimising the area of disturbance to retain the maximum area of natural • vegetation cover; • diverting clean water away from areas of disturbance; • restricting traffic to a stabilised entry/exit point; • installing erosion control devices including silt fences, stormwater inlet sediment traps and stormwater retention structures in accordance with the erosion and sediment control plan prior to commencement of associated works; • diverting sediment-laden water to stormwater retention structures (if new stormwater trunk mains are needed to catch sediment-laden flows they should not be connected directly to the existing downstream drainage network. They should be connected to a stormwater sediment retention pond until the site is stabilised.); • maintaining adjacent gutters and road surfaces free of soil and building materials; • inspecting and managing any sediment and erosion controls on a weekly basis, and notifying the EPA of waste water discharge procedures and modifications to • controls; and • chemically dosing turbid water to settle out suspended solids as necessary to achieve <60 mg/L suspended solids prior to 	<p>a) Comply</p> <p>b) PC</p> <p>c) Comply</p>	<p>ERSED Plans</p> <p>Site inspections</p>
Final		<p>discharging wastewater from its sites.</p>		

Approval / Permit / Licence	Reference	Description	Audit Finding	Evidence
ACT Temporary Transfer of Possession of Land				
ACT Temporary Transfer of Possession of Land	1	<p>Prior to works commencing PCS must be provided with signed off copies of the following documentation:</p> <ul style="list-style-type: none"> a) Final (amended) landscaping plan for the High Lift Pump b) Traffic Management Plan for Angle Crossing Road c) Angle Crossing Beach restoration plan d) A map of heritage sites to be protected e) Nature Conservation Act permits for any consultants involved in handling native fauna. f) Nature Conservation Act License for clearing of native vegetation involved with these works g) A schedule or timetable of the proposed works 	PC	
ACT Temporary Transfer of Possession of Land	3	Any clearing of native Vegetation involved in these works must be licensed under the Nature Conservation Act 1980. ACTEW is responsible for identifying such vegetation within the area of land transferred and applying for the license.	PC	
ACT Temporary Transfer of Possession of Land	4	ACTEW will secure the transferred land area to ensure there is no unauthorised public access. ACTEW will be held liable for any matter arising from unauthorised public access. Access to the work site will be agreed by both parties.	Comply Boundary fencing and manproof fencing have been adopted extensively.	Site inspections.

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ACT Temporary Transfer of Possession of Land	5	Where works extend into areas being grazed by stock, ACTEW must construct a stock proof fence around the area of works. The fencing of the paddock in which the works occur must be kept stock proof and any gate used by construction traffic to enter this paddock must be kept closed when not in use. ACTEW will be held liable for any matter arising from wandering stock escaping through such gates or fences that have been compromised by ACTEW works	Comply	Site inspections
ACT Temporary Transfer of Possession of Land	6	Wildlife that falls into the trench, particularly reptiles and amphibians, must within 24 hours be removed to a safe refuge by a consultant employed by ACTEW, who must be licensed to do so under the Nature Conservation Act 1980.	Comply None to date.	
ACT Temporary Transfer of Possession of Land	7	ACTEW must strictly adhere to the requirements of the M2G Bushfire Management Plan (BWA-M2G-OS-PLN-002-1). In addition: i. All fire incidents should be reported immediately to the District Manager, Namadgi, Parks and Conservation Service on 62072900 (after reporting to 000)	Comply. Training has recently been completed. Induction includes specific measures relating to bushfires. Fire fighting equipment is available and at hand.	Interview Erik Heineback Training record 15/11
ACT Temporary Transfer of Possession of Land	8	ACTEW must maintain all fire trails and access routes used during these works to a standard where they remain trafficable for bushfire suppression vehicles at all times.	Comply	Site inspections

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ACT Temporary Transfer of Possession of Land	9	All rehabilitation works must be monitored and completed to the satisfaction of PCS prior to the land being returned to PCS.	N/A	
ACT Licences to Take, Remove and/or Interfere, Kill, Fell and/or Remove (LT2010452, LT2010444, LT2010434, LT2010433), LR2010172, LK2010270, LF20108)				
ACT Licences	Various	Only conditions relevant to construction are included below.		
ACT Licence to Take LT2010444 and LT2010433	4	The Location area is to be fenced before commencement of site clearing, earthworks and construction. All activities, except those separately authorised are to occur within the fences area.	PC	
ACT Licence to Fell and/or Remove LF20108	3	You are required to contact the manager of the relevant reserve prior to commencing any work in that area. Land Manager is Mr John Freeman (02 6207 2425)	PC	