

Annual Environment Performance Report 2021-2022

Camden Gas Project







Table of Contents

Document revision history.....	9
Abbreviations	10
Executive Summary	11
1. Introduction	17
1.1. History of the Camden Gas Project.....	17
1.1.1. Environmental Management Improvements	18
1.2. Purpose of Annual Environmental Performance Report	18
1.2.1. Requirements of the NSW Department of Planning and Environment	18
1.2.2. Requirements of Department of Regional NSW – Mining, Exploration and Geoscience (MEG)	19
1.3. Format of the Annual Environment Performance Report	20
2. Camden Gas Project Area Details.....	21
2.1. Project Details and Contacts	21
3. Environment Standards, Performance Measures and Statutory Requirements	23
3.1. Consents, Leases and Licences.....	23
3.1.1. SafeWork NSW Notification of Storage of Hazardous Chemicals.....	31
4. Operations within the Reporting Period.....	32
4.1. Description of Operations from July 2021 to June 2022.....	32
4.1.1. Development / Construction.....	32
4.1.2. Exploration	32
4.1.3. Production	33
4.1.4. Land Preparation.....	33
4.1.5. Mining, Mineral Processing and Ore Production Stockpiles	33
4.1.6. Other Infrastructure Management.....	33
4.1.7. Production and Waste Summary	33
4.1.8. Water Management.....	33
4.1.9. Hazardous Material Management.....	33
5. Environmental Management and Performance	34
5.1. Overview of Environmental Management.....	34
5.2. Actions Required by Regulatory Authorities from Previous AEPR Review	36
5.3. Air Pollution	36
5.3.1. Air Pollution management	36



5.3.2.	Air Quality Criteria and Monitoring Requirements.....	37
5.3.3.	Air Quality Monitoring Results.....	37
5.3.4.	Air Pollution Environmental Performance / Trends.....	38
5.4.	Erosion and Sediment	40
5.4.1.	Erosion and Sediment Management.....	40
5.4.2.	Erosion and Sediment Related Activities.....	41
5.4.3.	Erosion and Sediment – Environmental Performance.....	41
5.5.	Surface Water	41
5.5.1.	Surface Water Management.....	41
5.5.2.	Surface Water Generation Results.....	41
5.5.3.	Surface Water Monitoring Requirements and Results.....	41
5.5.4.	Surface Water Related Activities.....	42
5.5.5.	Surface Water – Environmental Performance.....	42
5.6.	Groundwater	42
5.6.1.	Groundwater Management.....	42
5.6.2.	Groundwater Generation Results.....	43
5.6.3.	Groundwater Related Activities.....	43
5.6.4.	Groundwater Monitoring Requirements.....	43
5.6.5.	Groundwater Monitoring Results.....	43
5.6.6.	Groundwater – Environmental Performance / Trends.....	44
5.7.	Waste Management.....	44
5.7.1.	Waste management.....	44
5.7.2.	Waste Generated and Disposed/Recycled.....	45
5.7.3.	Waste Management – Environment Performance.....	45
5.8.	Hazardous Materials	46
5.8.1.	Hazardous Material management.....	46
5.8.2.	Hazardous Materials Related Activities.....	46
5.8.3.	Hazardous Materials – Environment Performance.....	46
5.9.	Contaminated Land.....	46
5.9.1.	Contaminated Land Management.....	46
5.9.2.	Contaminated Land Management Requirements.....	46
5.9.3.	Contaminated Land – Environmental Performance.....	47



5.10.	Threatened Flora and Fauna	47
5.10.1.	Threatened Flora and Fauna Management	47
5.10.2.	Threatened Flora and Fauna – Environmental Performance	48
5.11.	Noxious Weeds Management	48
5.11.1.	Noxious Weeds Management	48
5.11.2.	Noxious Weed Related Activities	48
5.11.3.	Noxious Weeds – Environmental Performance	48
5.12.	Blasting	48
5.13.	Operational Noise	48
5.13.1.	Operational Noise Management	48
5.13.2.	Operational Noise Limits and Monitoring Requirements	49
5.13.3.	Operational Noise - Environmental Performance / Trends	50
5.14.	Construction Noise	50
5.14.1.	Construction Noise Management.....	50
5.14.2.	Construction Noise Limits and Monitoring Requirements	50
5.14.3.	Construction Noise Monitoring Results	50
5.14.4.	Construction Noise Performance and Trends.....	51
5.15.	Visual Amenity	51
5.15.1.	Visual Amenity Management	51
5.15.2.	Visual Amenity Monitoring Requirements	51
5.15.3.	Visual Amenity Monitoring Results	52
5.15.4.	Visual Amenity Performance / Trends	53
5.16.	Aboriginal Heritage	53
5.16.1.	Aboriginal Heritage Management	53
5.16.2.	Aboriginal Heritage Related Activities	53
5.16.3.	Aboriginal Heritage Management Performance.....	53
5.17.	European Heritage	54
5.17.1.	European Heritage Management.....	54
5.17.2.	European Heritage Related Activities	54
5.17.3.	European Heritage Management Performance	54
5.18.	Spontaneous Combustion	54
5.19.	Bushfire	54
5.19.1.	Bushfire Management	54



5.19.2.	Bushfire – Environmental Performance	55
5.20.	Mine Subsidence	55
5.21.	Methane Drainage / Ventilation	55
5.22.	Public Safety	55
5.22.1.	Public Safety Management	55
5.22.2.	Public Safety - Performance	55
5.23.	Safety and Risk Management	55
5.23.1.	Safety and Risk Management Monitoring Requirement	55
5.23.2.	Incident Reporting	55
5.23.3.	Safety and Risk – Environmental Performance	56
5.24.	Environmental Training	56
6.	Rehabilitation	57
6.1.	Rehabilitation Overview	57
6.1.1.	Rehabilitation of Disturbed Land	57
6.1.2.	Well Sites	58
6.1.3.	Gas Gathering System	60
6.1.4.	Access Roads	60
6.1.5.	Buildings and Auxiliary Facilities	60
6.1.6.	Other Infrastructure	60
6.2.	Rehabilitation Trials and Research	60
6.3.	Further Development of Final Rehabilitation Plan	60
6.4.	Rehabilitation Activities Proposed in Next AEPR Period	61
6.5.	Further Improvements	61
6.6.	Closure Plan	61
7.	Project Commitments Register	62
8.	Stakeholder Engagement	63
8.1.	Environmental Complaints	63
8.1.1.	Stakeholder Management	63
8.1.2.	Complaints Register Requirements	63
8.1.3.	Summary of Environmental Complaints	64
8.1.4.	Complaint Trend	64
8.2.	Community Consultative Committee	64
8.2.1.	Monitoring Requirement	64



8.3. Community Engagement	65
8.3.1. Community Consultative Committee.....	65
8.3.2. Other Consultation and Community Support	66
8.4. Site Visits	66
9. Summary of Environmental Non-Compliance Issues and Actions	67
9.1. Identification of Environmental Non-Compliance Issues	67
9.1.1. Annual Return	67
9.1.2. Non-Compliances Identified During Independent Environmental Audit.....	67
2018-2020 Independent Environmental Audit	67



Table of Appendices

Appendix A. Camden Gas Project Petroleum Production Lease (PPL) Locations.....	69
Appendix B. Camden Gas Project Property Details.....	71
Appendix C. Camden Infrastructure Map for FY2022.....	77
Appendix D. Status of Well Operations FY2022.....	79
Appendix E. Well Site Inspections Against Site Specific Rehabilitation Completion Criteria	82
Appendix F. Air Quality Monitoring Results Reported in 2021 Annual Return	84
Appendix G. Assessable Pollutant Results – RPGP.....	90
Appendix H. Rosalind Park Gas Plant Quarterly and Annual Noise Monitoring Results	91
Appendix I. Flare Event Monitoring	92
Appendix J. Groundwater Monitoring Results	94
Appendix K. 2018-2020 Independent Audit Report – Non-Conformances Corrective Actions Register	95
Appendix L. Development Approvals Compliance Summary	101



Document revision history

Date	Version	Author	Comment
21/09/2022	Draft 0	AGL	Draft for Internal Review
30/09/2022	Final	AGL	Final Version for Distribution
19/10/2022	Rev 1	AGL	Updated to address DPE request for additional information.



Abbreviations

Abbreviation	Description
AEMR	Annual Environmental Management Report
AEPR	Annual Environmental Performance Report
CCC	Community Consultative Committee
CGP	Camden Gas Project
CoC	Condition of Consent
CSG	Coal Seam Gas
DA	Development Application
DG	Director General
DP&E	Department of Planning and Environment
MEG	Department of Planning, Industry and Environment – Mining, Exploration and Geoscience
EIS	Environmental Impact Statement
EMAI	Elizabeth Macarthur Agricultural Institute
EMP	Environmental Management Plan
EMS	Environmental Management System
EPA	Environment Protection Authority
EP&A Act	Environmental Planning and Assessment Act 1979
EPL	Environment Protection Licence
GGL	Gas Gathering Line
HS&E	Health Safety and Environment
LGA	Local Government Area
NOW	NSW Office of Water
NOX	Nitrogen oxides
NPI	National Pollutant Inventory
OEH	Office of Environment and Heritage
PA	Project Approval
PEL	Petroleum Exploration Lease
POP	Petroleum Operations Plan
PPL	Petroleum Production Lease
RBTP	Ray Beddoe Treatment Plant
RPGP	Rosalind Park Gas Plant
SIS	Surface to-In-Seam
SOX	Sulphur oxides
VLMP	Vegetation and Landscape Management Plan

Executive Summary

This Annual Environmental Performance Report (AEPR) has been prepared to meet the reporting requirements of the NSW Department of Planning and Environment (DP&E) and Department of Regional NSW – Mining, Exploration and Geoscience (MEG). This AEPR covers the AGL Camden Gas Project (CGP) located in the Camden, Campbelltown and Wollondilly Local Government Areas (LGAs) for the period of 01 July 2021 to 30 June 2022.

Reporting Requirements

The purpose of the AEPR is to report in accordance with the CGP's Development Application Approvals and Project Approvals on the following matters:

- The standards, performance measures and statutory requirements the development is required to comply with;
- An assessment of the environmental performance of the development to determine whether it is complying with these standards, performance measures, and statutory requirements;
- Reporting against the implementation of the Project Commitments Register;
- Copy of the Complaints Register for the preceding twelve-month period and indicating what actions were (or are being) taken to address these complaints;
- Indication of what actions were taken to address any issue and/or recommendation raised by the Community Consultative Committee (CCC);
- Provision of the detailed results of all the monitoring required by each consent;
- Review of the results of this monitoring against:
 - Impact assessment criteria;
 - Monitoring results from previous years;
 - Predictions in relevant environmental assessment documents.
- Identify any non-compliance during the year;
- Identify any significant trends in the data; and
- If any non-compliance is detected, describe what actions and measures would be carried out to ensure compliance, clearly indicating who would carry out these actions and measures, when they would be carried out, and how the effectiveness of these measures would be monitored over time.

Field Development

Field development during this reporting period has been limited with no construction works being undertaken. As part of AGL's commitment to progressively decommission and rehabilitate the field, AGL will not, and has not, drilled new wells during the reporting period. Decommissioning was fully completed (i.e. well is cut and capped) for 21 wells: SF02 (commenced in late FY21, completed in FY22), WG02, SL03, LB06, MT08, GL07, GL08, MP17, MP15, MP14, MP13, RP09, RP07, RP08, EM10, EM08, EM13, EM15, EM06, EM39, SF05. Decommissioning was commenced on a further three wells: MP11 (in process, not complete), MP22 (in process, not complete), GL02 (commenced in FY22, completed in early FY23).

Environmental Management & Performance

In 2008 AGL commenced the development of a Project Environmental Management System (EMS) to manage potential environmental aspects associated with CGP activities. As part of this process an Environmental Management Plan (EMP) and Environmental Sub Plans were prepared to facilitate the



uniform implementation of environmental management. During this reporting period, the EMP and numerous sub-plans were updated to improve AGL's environmental management and procedures.

Air Pollution

Quarterly stack emissions monitoring results were compliant with the licence concentration limits of EPL 12003 for this period.

Nitrogen Dioxide, Sulphuric Acid Mist and Sulphur Dioxide concentrations were measured at the emission monitoring points of the RPGP and compared to the input data used in the modelling for the air impact assessment. The testing confirmed compliance with air emission limits at the RPGP and therefore compliance at the nearest residence during this reporting period.

There were exceedances of the EPL 12003 annual pollutant loads for benzene and hydrogen sulphide as reported within the 2021 Annual Return. benzene and hydrogen sulphide were also reported above the annual load estimations as predicted in the RPGP Environmental Impact Statement (EIS).

The Annual Leak Detection and Repair program was undertaken and submitted to the NSW EPA as part of the 2021 Annual Return.

The National Pollutant Inventory (NPI) annual report for the 2021-2022 financial year was submitted on 20 September 2022.

During the reporting period, there were no complaints received regarding dust or other air pollutants.

Erosion & Sediment Control

Activities associated with erosion and sediment controls were compliant for the period with no community complaints received or reportable incidents recorded.

Surface Water

The CGP harvests rainwater from the runoff of all buildings within the RPGP. This water is stored in above ground rainwater tanks and is used to service the RPGP's amenities and wash bay. Once used, the water is separately stored in in-ground tanks as grey water and septic water. A combined total of 398 KL of grey water and septic water was transported off site by licensed contractors for disposal at a licensed facility.

There were no issues identified in relation to surface water for the reporting period.

Groundwater

The total volume of produced water generated has decreased from 1,192.45KL last reporting period to 743.65KL this period, representing a decrease of 37.7%

There was no produced water reused for well workovers during the reporting period due to the reduced number of workovers and nature of workover activities performed.

Total recycled produced water from well sites and the RPGP has decreased from 2,220.01KL last reporting period to 1,724.97KL this period.

During this reporting period AGL was compliant with Water Access Licence conditions, Works and Use Approval conditions, and EPL 12003 groundwater reporting requirements.



Waste Management

Waste volumes were recorded for the RPGP during this reporting period which conforms to the relevant conditions of DA 282-6-2003-I. No non-compliances with waste requirements were identified during this reporting period.

Hazardous Materials

Activities associated with hazardous material management were compliant for the period with no reportable incidents recorded or community complaints received.

Activities associated with land contamination or pollution were compliant for the period with no reportable incidents or community complaints received.

Flora & Fauna

No development and/or clearing activities were undertaken with the potential to impact threatened or native flora and fauna. Consequently, activities associated with threatened or native flora and fauna were compliant for the period with no incidents or complaints received.

Noxious Weeds

Activities associated with weed control were compliant for the period with no reportable incidents or community complaints received.

Noise (Operational and Construction)

No exceedances relating to operational noise from the RPGP were recorded during the reporting period. This trend is consistent with previous years. RPGP noise performance is consistent with operational noise predictions in the RPGP EIS.

Noise monitoring was undertaken during the decommissioning of wells EM39, SF05 and SF02. Monitoring was intentionally completed during the loudest decommissioning activities to simulate worst case scenario. Prior to commencing well decommissioning, AGL assesses each site to ensure that all reasonable and feasible measures are implemented to mitigate noise from the source to the receptor. Decommissioning works are relatively short in duration (i.e. two to three weeks) and are restricted to weekday daytime hours only.

The results of some noise monitoring exceeded the construction noise goals at SF02 and SF05, however EM39 was compliant with the construction noise goals. The construction noise goals set in the Project Approvals are based on Rating Background Levels (RBLs) established over ten years ago. RBLs in the vicinity of the well sites may have increased since then due to general traffic growth in the area and the presence of new residential developments and local roads. As such, the reported noise impacts are likely to be conservative.

No complaints were received relating to noise during the reporting period.

Visual Amenity

The Landscape and Lighting Audit Report (May 2021) concluded that the Vegetation and Landscape Management Plan (VLMP) monitoring was correct, in accordance with performance and review objectives, and in a format that is suitable for continued and on-going report monitoring. The next audit will be completed in May 2023.



Four flare events occurred during this reporting period for a combined duration of 146 minutes. This is a decrease from the previous AEPR reporting period where ten field flare events occurred at the RPGP for a total of 857 minutes.

Cultural Heritage

In September 2021, an AHIP was submitted to the OEH to relocate several artefacts on an existing access track in the Glenlee Field. On 11 February 2022 the AHIP for the Glenlee field was approved by the OEH. The relocation activities were undertaken in consultation with the local Traditional Owners in April 2022, although the artefacts were unable to be located for the purpose of relocation.

There were no incidents associated with Aboriginal or European heritage matters and consequently no community complaints received.

Bushfire

During this reporting period, there were no bushfires on land managed by AGL.

Public Safety

During this reporting period, there were no public safety related reportable incidents recorded.

Safety and Risk Management

During this reporting period, there were no significant safety or risk management related reportable environmental incidents recorded.

Rehabilitation

Throughout the reporting period, quarterly inspections were undertaken at rehabilitated wells RP04, RP05, WG05, WG01, WG03, EM25, EM18, EM27, MT06, WG02, SF02, SL03, LB06, MT08, GL07, GL08, MP17, MP15, MP14, MP13, RP09, RP07, RP08, EM10, EM08, EM13, EM15. Due to favourable weather conditions, rehabilitation works progressed quickly towards achieving the Site-Specific Rehabilitation Completion Criteria and only minimal weed control and additional reseeding was required across the sites. Site Specific Rehabilitation Completion Criteria was achieved at nineteen well surface locations (RP04, RP05, WG05, WG01, WG03, EM25, EM18, EM27, MT06, WG02, SL03/ SL09, LB06, MT08, GL07/ GL16, GL08, MP17, MP14, MP13, GL05/GL17) during the reporting period.

Environmental Complaints

No community complaints were received during this reporting period. This is consistent with the previous reporting period.

Environmental Non-Compliance Issues and Incidents

Non-conformances with EPL 12003 are reported in the Annual Return to EPA. The 2021 Annual Return for EPL 12003 (covering the period of 22 December 2020 to 21 December 2021) was submitted to the EPA on 18 February 2022 in accordance with the EPL.

Three non-compliances were reported within the 2021 Annual Return. Quarterly air emissions monitoring was unable to be completed on Compressor Engine 1 during the first quarter of the 2021 Annual Return (22 December 2020 – 21 March 2021) due to an unplanned outage. Load limits were also exceeded for benzene and hydrogen sulphide.

During this AEPR Reporting period, quarterly air emissions monitoring was unable to be completed on Compressor Engine 1 in March 2022 due to an unplanned outage, and reduced gas flows caused by local flooding of the Nepean River.



Community Liaison

AGL continues to pro-actively engage with the community to keep residents and interested community members informed of the CGP and ensure that community interests are listened to and addressed. AGL has raised awareness of its activities and maintained positive relations with the community through a range of community engagement initiatives.

A considerable amount of consultation has taken place directly with each landowner. This has provided an understanding of landowner interests and ensured that these interests can be quickly addressed.

One CCC meeting was held, and three quarterly updates were provided during this reporting period.



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1. Introduction

1.1. History of the Camden Gas Project

This Annual Environmental Performance Report (AEPR) has been prepared by AGL Upstream Investments Pty Ltd (AGL) to meet the reporting requirements for the period of 1 July 2021 to 30 June 2022 for the Camden Gas Project (CGP).

The CGP is located 65 kilometers (km) south-west of Sydney in the Macarthur region of NSW and consists of 144 gas wells, low-pressure underground gas gathering line's (GGLs), a high-pressure supply line, gas plant facilities and associated infrastructure.

Sydney Gas initially developed the CGP and established the first two Petroleum Production Leases (PPLs) in New South Wales. Exploration activities in the Macarthur region commenced in 1998 and since that time an extensive program of geological surveys and exploration drilling has been completed.

The construction of the Ray Beddoe Treatment Plant (RBTP) and the first successful gas delivery into the former AGL distribution network occurred in May 2001. This progress led to Sydney Gas applying for PPL 1.

Further appraisal led to the addition of three production wells in 2002 under PPL 2, bringing the total of drilled production wells to twenty-five.

Operation of the Rosalind Park Gas Plant (RPGP) commenced under PPL 4 on 16 December 2004 and the project expanded to include PPL 4, PPL 5 and PPL 6.

In February 2007, the RBTP was shut down and the wells were connected to the RPGP. The RBTP was decommissioned, rehabilitated and the land handed back to the landowner during the 2008-2009 reporting period.

In 2008, AGL developed an Environmental Management Plan (EMP) to consolidate the environmental management of the CGP. This plan and selected sub plans were updated during 2012 to improve AGL's environmental management procedures for the CGP. The 2012 EMP was approved by the Director General in July 2012 and implemented. The EMP and numerous sub-plans were updated again in this reporting period.

On 1 April 2009, the CGP changed from a Joint Venture between AGL and Sydney Gas (Camden) Operations to become wholly owned by AGL.

Further to AGL's consolidation efforts, PPLs 1, 2, 4, 5, and 6 were transferred to AGL in November 2010.

As part of the progressive development of the CGP gas field, wells have been drilled and proven in the Logan Brae, Wandinong, Glenlee, Menangle Park, Rosalind Park, Mount Taurus, Razorback, Elizabeth Macarthur Agricultural Institute (EMAI), Sugarloaf, Spring Farm and Kay Park fields.

In February 2013 AGL requested that the then NSW Department of Planning & Environment (DP&E) suspend its assessment of the proposed Northern Expansion Project of the CGP so that AGL could consider concerns raised by the community.

In February 2016, AGL announced that it will progressively decommission wells and rehabilitate sites at the CGP prior to ceasing production in 2023.



During this reporting period, no new wells were drilled. Decommissioning was fully completed (i.e. well is cut and capped) for 21 wells: SF02 (commenced in late FY21, completed in FY22), WG02, SL03, LB06, MT08, GL07, GL08, MP17, MP15, MP14, MP13, RP09, RP07, RP08, EM10, EM08, EM13, EM15, EM06, EM39, SF05. Decommissioning was commenced on a further three wells: MP11 (in process, not complete), MP22 (in process, not complete), GL02 (commenced in FY22, completed in early FY23)

1.1.1. Environmental Management Improvements

During this reporting period AGL has maintained a focus on enhanced environmental improvements. Ongoing environmental management improvements have included:

- Continued enactment of the CGP EMS;
- Review and implementation of the updated CGP EMP and associated sub plans;
- Review and implementation of the updated Environmental Aspects and Impacts Register;
- Testing and revision of the Pollution Incident Response Management Plan (PIRMP);
- Implementation of “myHSE” – AGL’s online system for reporting environmental incidents, near misses and hazards;
- Continued monitoring of vegetation rehabilitation completion criteria for rehabilitated wells RP04, RP05, WG05, WG01, WG03, EM25, EM18, EM27, MT06, WG02, SF02, SL03, LB06, MT08, GL07, GL08, MP17, MP15, MP14, MP13, RP09, RP07, RP08, EM10, EM08, EM13, EM15;
- Continued provision of environmental monitoring data to external stakeholders through the uploading of information to the CGP website;
- Implementation of the Authority to Work form and CM3 Contractor Prequalification to evaluate contractor environmental performance, scope of works and Health, Safety and Environmental Management System prior to engaging contractors to commence work;
- Annual Health, Safety and Environment Training and Cultural Heritage Capabilities Training;
- Further implementation of AGL’s compliance management system, SAP; and
- Working in partnership with contracting companies, appropriate authorities and the community to resolve issues and concerns with the CSG industry and ensure a practical and sustainable future for the industry.

1.2. Purpose of Annual Environmental Performance Report

This AEPR has been prepared to meet the reporting requirements of the DP&E and MEG for the AGL CGP located in the Camden, Campbelltown and Wollondilly Local Government Areas (LGAs) for the period of 01 July 2021 to 30 June 2022.

The requirements of the DP&E and MEG are provided in Section 1.2.1 and 1.2.2 below.

1.2.1. Requirements of the NSW Department of Planning and Environment

The requirements for an AEPR are set out in the following Development Consent Conditions:

- DA No. 15-1-2002-i dated 23 July 2002, Schedule 3 Condition of Consent (CoC) No. 34;
- DA No. 246-8-2002-i dated 20 September 2002 Schedule 3 CoC No. 16;
- DA No. 282-6-2003-i dated 16 June 2004, Schedule 5 CoC No. 5;
- DA No. 183-8-2004-i dated 16 December 2004 Schedule 2 CoC No. 24;
- DA No. 9-1-2005 dated 26 May 2005 Schedule 2 CoC No. 42;
- DA No. 75-4-2005 dated 7 October 2005, Schedule 2 CoC No. 54;
- PA No. 06_0137 dated 9 December 2006, Schedule 4 CoC No. 3;



- PA No. 06_0138 dated 9 December 2006, Schedule 4 CoC No. 3; and
- PA No. 06_0291 dated 4 September 2008, Schedule 4 CoC No.3.

In summary, the Development Consents require the preparation of an AEPR within twelve months of the date of the consent, and annually thereafter during the life of the development. As the approval dates vary, the AEPR is prepared on a financial year basis to standardise reporting and to meet the requirements of both the DP&E and MEG.

The AEPR is to be submitted to the Director-General and shall include, but not be limited to:

- The standards, performance measures and statutory requirements the development is required to comply with;
- An assessment of the environmental performance of the development to determine whether it is complying with these standards, performance measures, and statutory requirements;
- Reporting against the implementation of the Project Commitments Register;
- A copy of the Complaints Register for the preceding twelve-month period and indicating what actions were (or are being) taken to address these complaints;
- Indication of what actions were taken to address issues and/or recommendations raised by the CCC;
- Provision of the detailed results of the monitoring required by each consent;
- Review of the results of this monitoring against:
 - Impact assessment criteria;
 - Monitoring results from previous years;
 - Predictions in relevant environmental assessment documents.
- Identify non-compliances during the year;
- Identify significant trends in the data; and
- If a non-compliance is detected, describe what actions and measures would be carried out to ensure compliance, clearly indicating who would carry out these actions and measures, when they would be carried out, and how the effectiveness of these measures would be monitored over time.

This document has been prepared to address the requirement for an AEPR, for the period of 1 July 2021 to 30 June 2022, pursuant to the above listed Development Application Approvals and Project Approvals.

This document does not include an assessment of DA No. 171-7-2005 or State Significant Development Application 5848. Development approved under DA No. 171-7-2005 was not commenced and the Development Consent lapsed on 26 March 2011, under Schedule 2 Condition 11. State Significant Development Application 5848 was previously withdrawn by AGL.

1.2.2. Requirements of Department of Regional NSW – Mining, Exploration and Geoscience (MEG)

The requirement for an Annual Environmental Management Report (AEMR) is set out in Clause 3 of PPL 1, 2, 4, 5, and 6 transferred to AGL by the Director-General on 22 November 2010, which states:

The AEMR must:

- Report against compliance with the POP;
- Report on progress in respect of rehabilitation completion criteria;
- Report on the extent of compliance with regulatory requirements; and
- Have regard to any relevant guidelines adopted by the Director-General.



This AEPR has been prepared in accordance with clause 3 of PPL 1, 2, 4, 5 and 6 and the MEG guideline EDG03 'Guidelines to the Mining, Rehabilitation and Environmental Management Process (Version 3, 2006)'.

Where information required under a heading in EDG03 is not applicable to the CGP, the heading has been kept and the applicability stated. Some documents required by MEG EDG03 guideline (e.g. 'Plan 3 Land Preparation', 'Plan 4 Proposed Mining Activities') are not relevant to the operation of the CGP or its annual reporting, and hence have been excluded from this AEPR.

A plan showing the locations of the PPLs is included as Appendix A.

1.3. Format of the Annual Environment Performance Report

This AEPR is formatted as follows:

- **Section 1:** Introduction - Provides an introduction and background of the AEPR and its history;
- **Section 2:** Camden Gas Project Area Details – Provides the projects details and relevant contacts;
- **Section 3:** Environmental Standards, Performance Measures and Statutory Requirements - Lists the environmental regulatory performance requirements relevant to the CGP;
- **Section 4:** Operations within the Reporting Period - Describes the operations during the reporting period;
- **Section 5:** Environmental Management and Performance - Outlines the environmental management and performance of the CGP for the period;
- **Section 6:** Rehabilitation - Describes the rehabilitation undertaken within the CGP during the reporting period;
- **Section 7:** Project Commitments Register - Provides an update to the Project Commitments Register (Compliance Register);
- **Section 8:** Stakeholder Engagement - Describes the stakeholder engagement that has been undertaken during the reporting period; and
- **Section 9:** Summary of Environmental Non-Compliance Issues and Actions – Describes the non-conformances identified and actions to address non-conformances for the reporting period.



2. Camden Gas Project Area Details

2.1. Project Details and Contacts

A map of the CGP and its PPL locations is contained in Appendix A. The details of each property or area of the CGP are provided in Appendix B. The CGP infrastructure map for works undertaken during this reporting period is provided in Appendix C.

A list of project details and contacts as required by EDG03 is provided in Table 2-1.

Table 2-1: Project Details and Contacts

Project Details	
Project Name	Camden Gas Project
Titles / Consents	Refer to Table 3-1
Expiry Date of Titles / Consents	Refer to Table 3-2
Titleholder	AGL Upstream Investments Pty Limited
Operator	AGL Upstream Investments Pty Limited
Project Manager Details	
Contact Name	Shane Bottin
Position	Operations Superintendent
Contact Address	AGL Rosalind Park Gas Plant Lot 35, Medhurst Road, Menangle NSW 2568
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Reporting Officer Details	
Contact Name	Aaron Clifton – Environment Program and Project Lead
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Other Contact Details	
24-hour hotline	1800 039 600
POP and AEMR Reporting Periods	
POP (Version 14) Commencement Date	17 August 2021
POP (Version 14) End Date	30 June 2022
AEMR Commencement Date	01 July 2021
AEMR Period End Date	30 June 2022



3. Environment Standards, Performance Measures and Statutory Requirements

This section provides a list of the environmental regulatory requirements relevant to the CGP for the reporting period.

3.1. Consents, Leases and Licences

Seven Development Applications (DAs), three Project Approvals and one Concept Plan Approval have been approved for the CGP under the Environmental Planning and Assessment Act 1979 (EP&A Act). During the reporting period, there were no modifications to existing Development Applications or Project Approvals. Table 3-1 provides a description of the activities for which each of the DAs and Project Approvals has been issued.

Table 3-1 Activities described by approved Development Applications

Development Application No.	Description of Proposed Development
DA No. 15-1-2002i, dated 23 July 2002	<p>The Minister for Planning (DP&E) determined the development application for Stage 1 in accordance with Section 76A, Section 80, and Section 91 of the <i>Environmental Planning and Assessment Act 1979</i> by granting consent to the proposed development referred to as "The Camden Gas Project Stage 1". The Conditions of Development Consent for DA No. 15-1-2002i-I dated 23 July 2002 relate to the Camden Gas Project Stage 1 (the 'Development') issued to Sydney Gas Operations Ltd. The Development Consent describes the Development as:</p> <ul style="list-style-type: none"> - "The continued operation of the existing 20 production wells; - Operation of 5 additional wells not yet completed and/or drilled; - Operation of the existing and proposed gas gathering system; - Operation of the existing gas treatment plant; - Production of up to 93,000 GL/month from the treatment plant; - Sale and distribution of gas to the AGL gas network; and - Operation of the existing site office and pipe yard depot."
	<p>A modification to this DA, dated 16 May 2006, was issued for the following:</p> <ul style="list-style-type: none"> - "Construction, drilling and operation of a directional well from LB09".
	<p>A modification to this DA, approved 9 February 2007, was issued for the following:</p> <ul style="list-style-type: none"> - "re-drilling of wells Apap 01 and Mahon 01."
	<p>A modification to this DA, dated 4 July 2007, was issued for the following:</p> <ul style="list-style-type: none"> - "construction, drilling and operation of 2 surface to in-seam wells (AP02/AP03) at AP01".
	<p>A modification to this DA, dated 4 August 2008, was issued for the Kay Park and Loganbrae gas gathering line modification project.</p>
	<p>The Minister for the then NSW Department of Infrastructure, Planning and Natural Resources determined the development application in accordance with Section 80 of</p>

Development Application No.	Description of Proposed Development
DA-246-8-2002i – dated 20 September 2002	<p>the <i>Environmental Planning and Assessment Act 1979</i>. The Conditions of Development Consent for DA No. DA-246-8-2002i dated 20 September 2002, relate to the Camden Gas Project Stage 1 (the 'Development'). The Development Consent describes the proposed development as:</p> <ul style="list-style-type: none"> - "The connection of 3 existing wells (KP1, KP2, and KP3) to the Ray Beddoe Treatment Plant, and the continued production and sale of methane gas from the 3 wells. <p>A modification to this DA, dated 4 July 2007, was issued for the following:</p> <ul style="list-style-type: none"> - "construction, drilling and operation of 2 surface to in-seam wells (KP05 and KP06) at KP01". <p>A modification to this DA, dated 4 August 2008 was issued for the Kay Park and Loganbrae gas gathering line modification project.</p> <p>A modification to this DA, dated 3 December 2008 was issued for the construction and operation of one Surface SIS well (KP05) and one directional well (KP06) from KP01.</p> <p>A modification to this DA, dated 20 April 2011, was issued for the construction, drilling and operation of 2 surface to in-seam wells (KP05 and KP06).</p>
DA No. 282-6-2003-i – 16 June 2004	<p>The then Minister for Urban Affairs and Planning (now DP&E) determined the development application for Stage 2 in accordance with Section 76A, Section 77A, and Section 91 of the <i>Environmental Planning and Assessment Act 1979</i> by granting consent to the proposed development referred to as "The Camden Gas Project Stage 2". The Conditions of Development Consent (reference 112467721) for DA No. 282-6-2003-i dated 16 June 2004 relate to the Camden Gas Project Stage 2 (the 'Development') issued to Sydney Gas Operations Ltd. The Development Consent describes the Development as:</p> <ul style="list-style-type: none"> - "construction and drilling of 20 wells on the EMAI site; - Operation and production of gas from the existing (drilled) 23 wells and 20 wells to be constructed (a total of 43 wells); - Construction and operation of the gas gathering system; - Construction and operation of the gas treatment plant, associated workshop and office facilities; and - Production of up to 14.5 petajoules per annum from the gas treatment plant." <p>A modification to this DA, dated 26 August 2004, was issued to include additional land that was omitted from the development consent.</p> <p>A modification to this DA, dated 01 February 2005, was issued to amend an access road and gathering line route on the EMAI.</p> <p>A modification to this DA, was issued, dated 01 June 2005.</p>

Development Application No.	Description of Proposed Development
	<p>A modification to this DA, dated 16 May 2006, was issued for the following:</p> <ul style="list-style-type: none"> - "Construction, drilling and operation of 1 directional well from GL7 and 2 directional wells from GL10".
	<p>A modification to this DA, approved 22 October 2006, was issued for the following:</p> <ul style="list-style-type: none"> - "Construction, drilling and operation of 1 directional well (GL16) from GL7 and 1 directional well (GL15) and 1 Surface to in-seam well (GL14) from GL10"
	<p>A modification to this DA, approved 1 November 2006, was issued for the following:</p> <ul style="list-style-type: none"> - "construction, drilling and operation of 1 directional well (GL16) from GL7 and 2 Surface to in-seam wells (GL14 and GL15) from GL10."
	<p>A modification to this DA, approved 2 May 2007 was issued for the following:</p> <ul style="list-style-type: none"> - relocation of the Rosalind Park Gas Plant access road.
	<p>A modification to this DA, dated 4 July 2007, was issued for the following:</p> <ul style="list-style-type: none"> - "construction, drilling and operation of 1 Surface to in-seam well (EM38) at EM20 and upgrading (twinning) of the gas gathering line between MP14-GL10, GL10-GL05, GL05-GL07 and RP03-RP08"
	<p>A modification to this DA, dated 11 April 2008, was issued for the following:</p> <ul style="list-style-type: none"> - "construction, drilling and operation of 2 Surface to in-seam wells EM39 (from EM02) and GL17 (from GL05), upgrading (twinning) of the gas gathering line from EM39 to the junction of the gas gathering line and road to the EM03 well, and connection of the new wells to the existing gas gathering system."
	<p>A modification to this DA, dated 16 March 2009, was issued for the construction of an access road to the existing RP09 gas well and the twinning of a small section of the existing gas gathering line between RP08 and the RPGP.</p>
	<p>A modification to this DA, dated 18 September 2009, was approved for the re-routing of a damaged gas gathering line at Glenlee.</p>
	<p>A modification to this DA, dated 25 November 2010, was issued for the modification of RPGP noise monitoring requirements, air emission concentration limits and waste storage and generation volumes.</p>
	<p>A modification to this DA, dated 27 March 2017, was issued to delete:</p> <ul style="list-style-type: none"> - conditions 48, 49, 51, 54, 55, 58, 68, 72, 103 and 104 of Schedule 4; - conditions 12, 13, 14 and 15 of Schedule 4; - Schedule 6; and - Schedule 8. <p>This modification was made in response to recommendations from previous Independent Environmental Audits to remove inconsistencies between DA 282-6-2003-I and EPL 12003.</p>

Development Application No.	Description of Proposed Development
<p>DA-183-8-2004i – 16 December 2004</p>	<p>The then Minister for the NSW Department of Infrastructure, Planning and Natural Resources (now DP&E) determined the development application in accordance with Section 80 of the <i>Environmental Planning and Assessment Act 1979</i>. The Conditions of Development Consent for DA No. DA-183-8-2004i dated 16 December 2004 relate to the Camden Gas Project Stage 2 (the 'Development'). The project involves the following:</p> <ul style="list-style-type: none"> - Connection of 15 existing coal seam methane wells to the Rosalind Park Gas Plant from the Mount Taurus and Menangle Park properties, for the production of methane gas; and - Construction of a Dam at the MT1 gas well site. <p>A modification to this DA, dated 4 July 2007, was issued for the following:</p> <ul style="list-style-type: none"> - "construction, drilling and operation of 1 Surface to in-seam well (MP30) at MP13 and upgrading (twinning) of the gas gathering line between MP13 and MP14." <p>A modification of this DA (DA 183-8-2004i - Mod 2), dated the 9 July 2012, was issued for the following:</p> <ul style="list-style-type: none"> - "Construction, drilling and operation of 1 Surface to in-seam well (MP25) adjacent to MP16 and upgrading (twinning) of the gas gathering line between MP16 and MP13/30."
<p>DA 9-1-2005 – 26 May 2005</p>	<p>The Minister for the NSW Department of Infrastructure, Planning and Natural Resources (now DP&E) determined the development application in accordance with Section 80 of the <i>Environmental Planning and Assessment Act 1979</i>. The Conditions of Development Consent for DA No. DA-9-1-2005 dated 26 May 2005, relate to the Camden Gas Project Stage 2 (the 'Development'). The Development Consent describes the proposed development as:</p> <ul style="list-style-type: none"> - "Construction and drilling of well GL11; - Construction of a gas gathering system between four wells at Glenlee and two wells at EMAI; - Connection of 6 coal seam methane wells to the previously approved Stage 2 Camden Gas Project – Gas Treatment Plant, for the production of methane gas." <p>A modification to this DA, dated 16 May 2006, was issued for the following:</p> <ul style="list-style-type: none"> - "Construction, drilling and operation of a directional well from each of GL02 and GL11." <p>A modification to this DA, dated 4 July 2007, was issued for the following:</p> <ul style="list-style-type: none"> - "upgrading (twinning) of the gas gathering line between GL02 and GL05." <p>A modification to this DA, dated 16 November 2010, was issued for the following:</p> <ul style="list-style-type: none"> - modification of Schedule 2, Condition 26 to allow pasture species used in well site rehabilitation to be selected in consultation with the landowner.
<p>DA 75-4-2005 – 07 October 2005</p>	<p>The then Minister for the NSW Department of Infrastructure, Planning and Natural Resources (now DP&E) determined the development application in accordance with Section 80 of the <i>Environmental Planning and Assessment Act 1979</i>. The Conditions of Development Consent for DA No. DA-75-4-2005 dated 07 October 2005 relate to</p>

Development Application No.	Description of Proposed Development
	<p>the Camden Gas Project Stage 2 (the 'Development'). The Development Consent describes the proposed development as:</p> <ul style="list-style-type: none"> - "Construction and drilling of 7 wells; - Construction of a gas gathering system and access roads; - Connection of the wells to the Stage 2 Camden Gas Project – Gas Treatment Plant; and - Production of methane gas." <p>A modification to this DA, dated 4 July 2007, was issued for the following:</p> <ul style="list-style-type: none"> - "construction and drilling of 9 wells, including 2 Surface to in-seam wells (SL08 and SL09) at SL03." <p>A modification to this DA, dated 10 January 2010, was approved for the twinning of a gas gathering line from well surface locations SL03 and SL09 to the Rosalind Park Gas Plant.</p>
Project Approval 06_0137 – 9 December 2006	<p>The then Minister for Planning approved the Project under Section 75J of the <i>Environmental Planning and Assessment Act 1979</i>. The Conditions of Consent for Project Approval 06_0137 dated 9 December 2006 relate to the Razorback Wells (RB03-RB12). The project involves the following:</p> <ul style="list-style-type: none"> - Construction and drilling of wells RB03-RB12 and gas gathering lines.
Project Approval 06_0138 – 9 December 2006	<p>The then Minister for Planning approved the Project under Section 75J of the <i>Environmental Planning and Assessment Act 1979</i>. The Conditions of Consent for Project Approval 06_0138 dated 9 December 2006 relate to the Elizabeth Macarthur Institute Wells (EM23-EM36). The project involves the following:</p> <ul style="list-style-type: none"> - Construction and drilling of wells EM23-36 and gas gathering lines. <p>A modification to this Approval, dated 6 August 2007, was issued for the following:</p> <ul style="list-style-type: none"> - "One additional directional well at an existing well, changing an approved but not yet constructed well to a directional well, connection of the wells to the existing gas gathering system and production of coal seam methane gas."
Project Approval 06_0291 – 4 September 2008	<p>The then Minister for Planning approved the Project under 75J of the <i>Environmental Planning and Assessment Act 1979</i>. The Conditions of Consent for Project Approval 06_0291 dated 4 September 2008 relate to the Spring Farm and Menangle Park wells. The project involves the following:</p> <ul style="list-style-type: none"> - Construction and drilling of wells and gas gathering lines in the Spring Farm and Menangle Park area. <p>Modifications to this PA were issued 7 January 2011 and 20 April 2011 to include gas gathering lines MP06 – 11 and MP11 – MP23 (via MP19), and, MP03-05 and MP22 – SL02 respectively.</p>
Concept Plan Approval 06_0292 – 4 September 2008	<p>The then Minister for Planning approved the Project under 75O of the <i>Environmental Planning and Assessment Act 1979</i>.</p>



Development Application No.	Description of Proposed Development
	<p>The Conditions of Consent for Project Approval 06_0292 dated 4 September 2008 relate to the Spring Farm and Menangle Park wells. The project involves the following:</p> <ul style="list-style-type: none"> - Construction and operation of coal seam methane gas wells and associated infrastructure within the Stage 2 Concept Plan area of the Camden Gas Project.

The standards, performance measures and statutory requirements the CGP is required to comply with are outlined in the consents, leases and licences for the CGP. A list of the relevant consents, leases and licences is contained in Table 3-2. The standards, compliance levels and regulatory requirements resulting from the consents, leases and licences are identified for each matter reported in Section 5 Environmental Management and Performance of this AEPR.

Table 3-2 Consents, Leases and Licences

Title	Grant Date and Term
Petroleum Exploration Licence No.2 (PEL), issued by the Department of Mineral Resources (now DP&E-MEG)	AGL has previously surrendered PEL 2.
PPL No.1, issued by the Department of Mineral Resources (now MEG)	2 September 2002 (for a period of 21 years - the lease holder shall relinquish areas where no wells have been drilled within 10 years of granting this lease)
PPL No.2, issued by the Department of Mineral Resources (now MEG)	10 October 2002 (for a period of 21 years)
PPL No.4, issued by the Department of Mineral Resources (now MEG)	6 October 2004 (for a period of 21 years)
PPL No.5, issued by the Department of Mineral Resources (now MEG)	28 February 2007 (for a period of 21 years)
PPL No. 6, issued by the Department of Industry and Investment (now MEG)	29 May 2008 (for a period of 21 years)
Conditions of Consent for DA 15-1-2002i (file no. S00/00945), issued by the DP&E. The requirements of the Environment Protection Licence 12003 have been incorporated into relevant conditions of consent	<p>23 July 2002 (for a period of 21 years from date of granting of the production lease).</p> <p>If after 5 years of the date of this consent any well that is subject of this consent has not yet been drilled or completed, then the applicant shall surrender the approval for that well.</p>

Title	Grant Date and Term
	<p>The following modifications have been issued to this DA:</p> <ul style="list-style-type: none"> - modification dated 16 May 2006 - modification dated 9 February 2007 - modification dated 4 July 2007 - modification dated 4 August 2008
<p>Conditions of Consent for DA 246-8-2002i (file no. S02/01615), issued by the DP&E</p>	<p>20 September 2002 (for a period of 21 years from date of granting of the production lease).</p> <p>The following modifications have been used to this DA:</p> <ul style="list-style-type: none"> - modification dated 4 July 2007 - modification dated 4 August 2008 - modification dated 3 December 2008 - modification dated 20 April 2011
<p>Conditions of Consent for DA 282-6-2003-i, issued by the DP&E. The requirements of the Environment Protection Licence 12003 and 3A Permit have been incorporated into this Condition of Consent.</p>	<p>16 June 2004 (for a period of 21 years).</p> <p>The following modifications have been issued to this DA:</p> <ul style="list-style-type: none"> - modification dated 26 August 2004 - modification dated 01 February 2005 - modification dated 01 June 2005 - modification dated 16 May 2006 - modification dated 22 October 2006 - modification dated 1 November 2006 - modification dated 2 May 2007 - modification dated 4 July 2007 - modification dated 11 April 2008 - modification dated 16 March 2009 - modification dated 18 September 2009 - modification dated 25 November 2010 - modification dated 27 March 2017
<p>Conditions of Consent for DA-183-8-2004i, issued by the DP&E</p>	<p>16 December 2004 (for a period of 21 years).</p> <p>A notice of modification was issued on the 4 July 2007.</p> <p>A notice for modification was issued on the 9 July 2012</p>
<p>Conditions of Consent for DA 9-1-2005, issued by the DP&E</p>	<p>26 May 2005 (for a period of 21 years).</p> <p>The following modifications have been issued to this DA:</p> <ul style="list-style-type: none"> - modification dated 16 May 2006 - modification dated 4 July 2007 - modification dated 16 November 2010



Title	Grant Date and Term
Conditions of Consent for DA 75-4-2005, issued by the DP&E	07 October 2005 (for a period of 21 years or expiry date of PPL No.4) The following modifications have been issued to this DA: - modification dated 4 July 2007 - modification dated 10 January 2010
Conditions of Consent for DA 171-7-2005, issued by the DP&E	25 March 2006 (for a period of 21 years or expiry date of PPL No.4)
Conditions of Approval for PA 06_0137, issued by the DP&E	9 December 2006 (for a period of 21 years or expiry date of PPL No.4)
Conditions of Approval for PA 06_0138 issued by the DP&E	9 December 2006 (for a period of 21 years or expiry date of PPL No.4) A notice of modification was issued on the 6 August 2007.
Conditions of Approval for PA 06_0291 issued by the DP&E	4 September 2008 (for a period of 21 years or expiry date of PPL No.5) The following modifications have been issued to this PA: - modification dated 7 January 2011 - modification dated 20 April 2011
Conditions of Approval for Concept Plan Approval 06_0292 issued by the DP&E	4 September 2008 (for a period of 5 years)
Environment Protection Licence No.12003, issued by the Environment Protection Authority (>0.5 – 6PJ Produced)	Issued 22 December 2004, anniversary date 22 December. During the reporting period, AGL applied for a licence variation. The licence was varied after the reporting period on 29 July 2022 (Notice #1618704).
Petroleum Operations Plan (POP) Version 14	17 August 2021 – 30 June 2022
Pipeline Licence No.30, issued by Department of Energy, Utilities and Sustainability, under NSW <i>Pipelines Act 1987</i>	19 May 2004 (for a period of 20 years)
Water Access Licences, (WAL25054, WAL24856, WAL24736 and WAL24965) and associated Works and Use Approvals	Various



3.1.1. SafeWork NSW Notification of Storage of Hazardous Chemicals

There is no requirement to notify SafeWork NSW regarding the storage of Hazardous Chemicals (Dangerous Goods) at the RGP due to the minor quantities of Hazardous Chemicals stored on site.



4. Operations within the Reporting Period

This section provides a description of the operations undertaken for the CGP for the reporting period and the status as of 30 June 2022.

4.1. Description of Operations from July 2021 to June 2022

4.1.1. Development / Construction

During the reporting period development associated with the CGP comprised of the following:

Drilling

No new wells were drilled in this reporting period.

Decommissioning

During this reporting period, decommissioning was completed (i.e. well is cut and capped) for 21 wells: SF02 (commenced in late FY21, completed in FY22), WG02, SL03, LB06, MT08, GL07, GL08, MP17, MP15, MP14, MP13, RP09, RP07, RP08, EM10, EM08, EM13, EM15, EM06, EM39, SF05. Decommissioning was commenced on a further three wells: MP11 (in process, not complete), MP22 (in process, not complete), GL02 (commenced in FY22, completed in early FY23).

The locations of the existing wells and the decommissioned wells are illustrated in Appendix C.

Gathering Line Installation

No new sections of gas gathering line were installed during this reporting period.

Workover Maintenance Activities

During the reporting period, no well workover activities were completed.

Rosalind Park Gas Plant Compressors

The RGP compressors operated during the reporting period for:

- Compressor No.1 operated for 6092.41 hours;
- Compressor No.2 operated for 2630.52 hours; and
- Compressor No.3 operated for 2608.96 hours.

Land Access and Approvals

During the reporting period, AGL applied for a variation to EPL 12003. The licence was varied after the reporting period on 29 July 2022 (Notice #1618704).

No Development Applications have been applied for, granted or modified during this reporting period.

Current Status of Well Operations

The status of CGP well operations as of 30 June 2022 is summarised in Appendix D. The only amendment from the previous reporting period is the decommissioning of 21 wells: SF02 (commenced in late FY21, completed in FY22), WG02, SL03, LB06, MT08, GL07, GL08, MP17, MP15, MP14, MP13, RP09, RP07, RP08, EM10, EM08, EM13, EM15, EM06, EM39, SF05. Decommissioning was commenced on a further three wells: MP11 (in process, not complete), MP22 (in process, not complete), GL02 (commenced in FY22, completed in early FY23).

4.1.2. Exploration

AGL relinquished Petroleum Exploration Licence 2 in July 2015. No exploration activities were undertaken during this reporting period and there will be no further exploration activities across the CGP.



4.1.3. Production

Production information is provided to the MEG on a monthly basis. These monthly production reports include monthly production volumes from each well in the PPLs and total gas flow rates into the RPGP.

4.1.4. Land Preparation

No wells were drilled during this reporting period.

In consultation with the landowner MEG and EPA, surface rehabilitation works were undertaken for eighteen decommissioned wells (MT06, WG02, SF02, SL03, LB06, MT08, GL07, GL08, MP17, MP15, MP14, MP13, RP09, EM10, EM08, EM13, EM15, EM06).

4.1.5. Mining, Mineral Processing and Ore Production Stockpiles

The CGP produces coal seam gas. No mining, mineral processing or ore stockpiling is undertaken. Hence, this section is not applicable to AGL's operations at the CGP.

4.1.6. Other Infrastructure Management

There were no infrastructure improvement works completed during the reporting period.

4.1.7. Production and Waste Summary

A summary of waste produced is included in Section 5.7.

4.1.8. Water Management

A summary of water management is included in Section 5.5 and 5.6 of this report.

4.1.9. Hazardous Material Management

A summary of hazardous material management for the reporting period is included within Section 5.8 of this report.



5. Environmental Management and Performance

This section of the AEPR outlines the environmental management and performance of the CGP for the reporting period. Where environmental monitoring is required by the Conditions of Consent for the development, the monitoring requirement and results are discussed under the relevant sections headings. The specific environmental control measures, conditions of consent or monitoring requirements are provided within each EMP Sub Plan.

This section documents the implementation and effectiveness of control strategies for environmental risks identified in the EMP and previous AEPR.

5.1. Overview of Environmental Management

CGP Environmental Management Plan (EMP)

In 2008 AGL commenced the development of a Project Environmental Management System (EMS) to manage potential environmental aspects associated with CGP activities. As part of this process an EMP and Environmental Sub Plans were prepared to facilitate the implementation of environmental management. The EMP was revised in March 2022, improving AGL's environmental management and procedures. A full copy of the EMP and all Sub Plans is available on the CGP website.

The EMP Sub Plans are listed below, with the latest revision date noted accordingly:

- Flora and Fauna Management (March 2022);
- Soil and Water Management (March 2022);
- European Heritage Management (March 2022);
- Rehabilitation and Landscape Management (March 2022);
- Aboriginal Cultural Heritage Management (December 2021);
- Air Quality Management (March 2022);
- Waste Management (March 2022);
- Traffic Management (March 2022);
- Dangerous Goods and Hazardous Materials Storage (March 2022);
- Groundwater Management Plan (March 2022);
- Noise Management Sub Plan (October 2021); and
- Emergency Response (December 2021).

EMP Sub Plan Compliance Audits have been developed to enable in-house compliance assessments of each Sub Plan. During the reporting period, audits were completed for the Soil and Water Sub Plan, Waste Sub Plan, Flora and Fauna Sub Plan, Air Quality Sub Plan, Noise Sub Plan, European Heritage Sub Plan, and Landscape and Rehabilitation Sub Plan.

Pollution Incident Response Management Plan

In November 2012, AGL prepared a Pollution Incident Response Management Plan (PIRMP) for the CGP in response to an amendment to the *Protection of the Environment Operations Act 1997* (POEO Act). During the reporting period, the PIRMP was reviewed and updated in November 2021 and June 2022.

The PIRMP details the procedures for the notification of pollution incidents causing, or having the potential to cause, material harm to the environment. The notification of environmental incidents under the PIRMP is only required for those incidents causing or threatening to result in material harm to the environment (a



material harm incident) as defined in the POEO Act. During the reporting period, AGL undertook a mock drill of the PIRMP.

All other incidents deemed by AGL not to be causing or threatening to cause material harm to the environment will be managed through AGL's Emergency Response Plan and supporting procedures. In situations where notification of environmental harm is required under a condition of Camden's EPL 12003 or a development consent, AGL will report the incident to the relevant authority in accordance with the requirements of the relevant condition.

Petroleum Operations Plan

As required under PPLs 1, 2, 4, 5 and 6, AGL conducts its production operations in accordance with an approved POP. Version 14 of the POP was approved by the NSW Resources Regulator on the 17 August 2021 and applied through to 30 June 2021.

The POP is reviewed annually, and subsequent versions are submitted to the NSW Resources Regulator and EPA for approval. Version 15 of the POP was drafted during the reporting period and sent to the NSW Resources Regulator and EPA for approval on 30 June 2022.

The POP summarises the general processes and stages of petroleum operation at the CGP. The sections of the POP are summarised below, and where applicable, referenced to relevant sections of this AEPR.

Table 5-1: POP Commitments Referenced in this AEPR

POP Section	Aspect of Operations	Petroleum Activity	Relevant AEPR Section(s)
2.1	Production Operations	Construction	4.1.1
		Production	4.1.3
		Maintenance (Workover)	4.1.1
		Produced Water Management	5.6
		Rehabilitation and Final Closure	6.1 – 6.6
2.2	Surface Infrastructure	Wells	4.1.1; 4.1.2; Appendix D
		Gas Gathering Lines	4.1.1
		Access Roads	6.1.4
		Gas Plant	4.1.1



POP Section	Aspect of Operations	Petroleum Activity	Relevant AEPR Section(s)
3	Environmental Management and Rehabilitation	Rehabilitation	6.1 – 6.6

5.2. Actions Required by Regulatory Authorities from Previous AEPR Review

On 03 December 2021, the DP&E provided comments on the Development Approvals Compliance Summary (Appendix N of the 2020-21 AEPR). DP&E requested that in future, the Development Approvals Compliance Summary should exclude conditions that are no longer in force, and utilize the compliance status descriptors provided in the Department's 2020 Independent Audit Post Approval Requirements. DP&E also requested that the 2020-21 AEPR be uploaded to the Project website.

AGL has uploaded the 2020-21 AEPR to the Camden Gas Project website and addressed comments in the Development Approvals Compliance Summary (Appendix L of this report).

On 04 May 2022, the EPA provided comments on the 2020-21 AEPR, noting AGL's proposed actions to update the EMP and Sub Plans by 31 December 2021.

5.3. Air Pollution

5.3.1. Air Pollution management

Air emissions associated with the CGP are primarily oxides of nitrogen (NO_x) and oxides of sulphur (SO_x) associated with compression of the coal seam gas, and to a lesser extent vehicle emissions. Other air emissions include potential dust emissions associated with construction activities and vehicle movements and fugitive emissions from production operations.

Management of air emissions is summarised in the CGP Air Quality Management Sub Plan (AQMSP). The objective with regards to air quality is to prevent or minimise air pollution by:

- Controlling the quality and minimising the quantity of air emissions associated with compression of the coal seam gas resource;
- Minimising the quantity of vehicle exhaust emissions;
- Minimising dust generation during construction, maintenance and operations and rehabilitation activities; and
- Reporting uncontrolled air emissions and implementing corrective actions promptly.

Targets relating to air quality management are identified in the AQMSP as follows:

- Zero exceedances of the in-stack and ambient licence limits to controlled air emissions.
- Zero incidents or complaints received regarding uncontrolled air emissions.

Control measures used to meet the objectives for air quality are contained in the CGP AQMSP.



5.3.2. Air Quality Criteria and Monitoring Requirements

Rosalind Park Gas Plant – DA-282-6-2003-I and EPL 12003

Development Consent DA-282-6-2003-i, Schedule 4 CoC 47 and EPL 12003 (L3 and M2) specifies requirements to monitor air quality at the RGP and air emission criteria.

EPL 12003 (L2) stipulate load limits for assessable pollutants that must not be exceeded during the reporting period from the RGP.

Construction and Field Operations – Dust

A number of development consents stipulate requirements relating to dust management. These are detailed in the AQMSP.

5.3.3. Air Quality Monitoring Results

Quarterly monitoring reports for the RGP were prepared by Ektimo:

- Quarterly Stack Emission Survey, 4, 5, 6 August 2021;
- Quarterly Stack Emission Survey, 9 December 2021;
- Quarterly Stack Emission Survey, 25 February and 21 March 2022; and
- Quarterly Stack Emission Survey, 5 and 6 May 2022.

Monitoring results for the 2021 Annual Return period are provided in Appendix F. All quarterly monitoring results were compliant with the licence concentration limit conditions of the current EPL 12003 for this period.

During this AEPR Reporting period, quarterly air emissions monitoring was unable to be completed on Compressor Engine 1 in March 2022 due to an unplanned outage, and reduced gas flows caused by local flooding of the Nepean River.

Rosalind Park Gas Plant – Air Emissions at Residences (Schedule 4, CoC 47)

Ektimo undertook emission testing at the RGP in accordance with the air pollutant criteria stipulated in DA 282-6-2003-I, Schedule 4, CoC 47.

Nitrogen Dioxide, Sulphuric Acid Mist and Sulphur Dioxide concentrations were measured at the emission points and compared to the input data used in the modelling for the air impact assessment. The testing confirmed compliance with input data used in the modelling for the air impact assessment and therefore compliance at the nearest residence during this reporting period.

Rosalind Gas Plant – Assessable Pollutants and Air Concentration Limits

Under EPL 12003 for the RGP, AGL is required to meet load limits for assessable pollutants plus calculate the annual pollutant loads and associated fees. Monitoring to enable the annual pollutant loads to be calculated was conducted quarterly by Ektimo and continuously by AGL with the results included in the 2021 Annual Return (summarised in Appendix F and Appendix G). In addition to this, the EPL requires the monitoring of air concentration levels at discharge points for which the concentration of the pollutant must not exceed, which is monitored quarterly and continuously.

Exceedances of the benzene and hydrogen sulphide load limits were reported within the 2021 Annual Return. There were no exceedances of air concentration limits reported within the 2021 Annual Return.



Rosalind Park Gas Plant – Continuous Monitoring

The EPL 12003 Condition M2.3 requires continuous monitoring of NO_x, temperature, moisture, flow rate, and oxygen at Point 1 at all times when the compressor is operating. No exceedances of the limits within EPL 12003, Condition L3.1, were recorded in continuous monitoring monthly reports during the period.

Camden Gas Project – Annual Leak Detection and Repair (LDAR) Program

Under EPL 12003, conditions M7.2 and M7.3, AGL is required to operate a leak detection and repair program for all relevant components of plant and equipment. The program is undertaken on an annual basis and the report must detail the total number of components inspected, percentage of minor, major and significant leaks found by component type, emission levels of leaking equipment and subsequent emissions levels of re-check post repair and the repair response times for classified emissions leaks.

The Annual LDAR report is reported in accordance with conditions R4.2 and R4.3 of EPL 12003 and submitted to the NSW EPA as supporting documentation for the 2021 Annual Return.

National Pollutant Inventory Reporting

The National Pollutant Inventory (NPI) Report for the RGP for the 2021-2022 financial year was prepared and submitted on 20 September 2022. The NPI lists the fuel and energy usage plus emissions data for the RGP for the financial year.

Construction and Field Operations – Dust Monitoring

During construction and field operations, various measures are implemented to avoid or ameliorate dust generation including reduced travelling speeds on unsealed roads and use of water carts to suppress dust. Visual assessments of dust conditions are undertaken by site personnel during construction and field operations.

No complaints were received regarding dust during the reporting period.

5.3.4. Air Pollution Environmental Performance / Trends

RGP Quarterly Stack Emissions Monitoring

Quarterly stack emissions monitoring results were compliant with the licence concentration limits of EPL 12003 for this reporting period. Air emission monitoring methodology complies with EPL 12003 Condition M2.2.

AGL was unable to complete quarterly emissions monitoring on Discharge Point 1 (Compressor Engine 1) during the first quarter (22 December 2020 – 21 March 2021) of 2021 Annual Return period as Compressor Engine 1 was offline for an unplanned mechanical repair.

During this AEPR Reporting period, quarterly air emissions monitoring was unable to be completed on Compressor Engine 1 in March 2022 due to an unplanned outage, and reduced gas flows caused by local flooding of the Nepean River.

RGP Assessable Pollutant and Air Concentration Limits

The following pollutants are assessable emissions from the RGP for which limits of the pollutants annual load or its air concentration is stipulated by the EPL 12003. The annual assessable pollutant loads are calculated and reported within the EPL Annual Return.

The assessable pollutants and air concentration limits for this reporting period are:

- **Benzene** - Benzene is an assessable pollutant, measured annually to calculate the annual pollutant loads and associated fees under EPL 12003. For the 2021 Annual Return the calculated annual load for benzene



was 89.119kg/year, which is above the limit of 47 kg/year as required by EPL 12003. This represents an increase from the previous Annual Return reporting period where 22.098 kg/year was calculated, and is above the annual load estimation of 42.5 kg/year as predicted in the RPGP Environmental Impact Statement (EIS).

AGL has not, to date, been able to identify any reason for this increase. In particular:

- the source gas used to fuel the compressors at the Rosalind Park Gas Plant continues to be derived directly from the Camden Gas Project and AGL is not aware of any change to its composition; and
- no changes have been made to any plant and equipment at the Rosalind Park Gas Plant, which continues to be maintained and operated by AGL in a proper and efficient manner.

Accordingly, AGL considers that it is possible that the August 2021 Sampling Results for benzene are anomalous and not representative of actual emissions.

- **Benzo(a)pyrene (equivalent)** - Benzo(a)pyrene air emissions are an assessable pollutant and are measured annually to calculate the annual pollutant loads and associated fees under the EPL 12003. For the 2021 Annual Return, the calculated annual load for Benzo(a)pyrene was 0.006 kg/year, which is less than the annual load limit of 0.27 kg/year as required by EPL 12003. The results reported in the 2021 Annual Return represents a small increase from the 0.001 kg/year reported for the previous Annual Return period. This is also less than the annual load estimation of 0.24 kg/year as predicted in the RPGP EIS.
- **Fine Particulates** - Fine particulates are an assessable pollutant and are calculated annually to determine the associated fees under EPL 12003. For the 2021 Annual Return, the calculated annual total load for fine particulates was 1.967 kg/year. This is less than the 460 kg/year load limit required by EPL 12003, and less than the annual load estimation of 415 kg as predicted in the RPGP EIS. It also represents a decrease from the previous year's level of 7.751 kg/year.
- **Hydrogen Sulphide** - Hydrogen sulphide is an assessable pollutant and is calculated annually to determine the associated fees under EPL 12003. For the 2021 Annual Return, the calculated annual load for hydrogen sulphide was 49.42 kg/year. This is higher than the 1.6 kg/year load limit required by EPL 12003, and higher than the annual load estimation of 1.4 kg/year as predicted in the RPGP EIS. The results reported in the 2021 Annual Return represents an increase from the 0.331 kg/year reported for the previous Annual Return period.

AGL has not, to date, been able to identify any reason for this increase. In particular:

- the source gas used to fuel the compressors at the Rosalind Park Gas Plant continues to be derived directly from the Camden Gas Project and AGL is not aware of any change to its composition; and
- no changes have been made to any plant and equipment at the Rosalind Park Gas Plant, which continues to be maintained and operated by AGL in a proper and efficient manner.



Accordingly, AGL considers that it is possible that the August 2021 Sampling Results for hydrogen sulphide are anomalous and not representative of actual emissions.

- **Nitrogen Oxides** - NO_x annual pollutant loads and air concentration limits are monitored on a quarterly and continuous basis. For the 2021 Annual Return, the calculated annual load for NO_x was 18,905.204 kg/year, which is well below the licensed limit of 103,000 kg/yr. This represents a decrease compared with the 26,431.107 kg/year reported in the previous Annual Return. The NO_x annual load reported in the 2021 Annual Return was also much less than the predicted assessable load of 93,226 kg/year as stated in the RPPG EIS.
- **Sulphur Oxides** – Sulphur oxides are measured quarterly to calculate the annual pollutant loads and the associated fees under EPL 12003. For the 2021 Annual Return, the calculated annual total load for Sulphur Oxides was 0.014 kg/yr. This is significantly less than the 3,000 kg/year load limit required by EPL 12003 and less than the annual load estimation of 2,689 kg/year for sulphur oxide emissions as predicted in the RPPG EIS. This result is lower than the results reported in the previous Annual Return of 0.057 kg/yr.
- **Volatile Organic Compounds (VOCs)** – VOCs discharged to air are measured annually to calculate the annual pollutant loads and associated fees under EPL 12003. For the 2021 Annual Return, the calculated annual load for VOCs was 265.433 kg/year, which is well below the limit of 33,000 kg/year as required by EPL 12003. This result is also less than the annual load limit of 29,696 kg/year as predicted by the RPPG EIS. The 2021 Annual Return load result represented an increase from the previous Annual Return result of 151.313 kg/year.

Exceedances of the benzene and hydrogen sulphide load limits were reported within the 2021 Annual Return. There were no exceedances of the EPL 12003 licence concentration limits as reported within the 2021 Annual Return.

AGL did not fully meet its AQMS target for this reporting period.

5.4. Erosion and Sediment

5.4.1. Erosion and Sediment Management

Soil types within all project areas are assessed on a regional and local scale. The aim of the assessment is to determine the impact of the existing and proposed operations on the soil groups identified within the area and assess what, if any, impacts may arise.

It has been determined that the soils and land capability within the area of operations do not pose a significant constraint to development.

Activities that necessitate the removal of vegetation and disturbance to the soil surface have the potential to cause an increase in the effects of wind and water erosion. To manage the potential impacts of operations on soil and surface water, all activities that pose a potential threat to soil and or surface water are conducted in accordance with AGL's Soil and Water Management Sub Plan (SWMSP).

Management of erosion and sedimentation issues is summarised in the SWMSP. The objectives of the SWMSP are to:



- Minimise soil disturbance, prevent contamination and associated impacts on riparian corridors and native vegetation and promote and maintain soil stability throughout the life of the project; and
- Minimise negative impacts from construction and operational activities on surface water resources.

Targets relating to soil and erosion identified in the SWMSP are as follows:

- Zero complaints received from landowners or government agencies concerning land disturbance, contamination or soil stability;
- Zero incidents concerning water levels or water quality during operations.

Control measures employed to meet the objectives for erosion and sediment are outlined in the SWMSP.

5.4.2. Erosion and Sediment Related Activities

During this reporting period AGL's SWMSP was updated. The Sub Plan details specific sediment and erosion control measures across construction, operation and rehabilitation project phases.

5.4.3. Erosion and Sediment – Environmental Performance

Activities associated with erosion and sediment controls were compliant with regulatory requirements and the SWMSP targets and objectives for the reporting period with no community complaints received or reportable incidents recorded.

5.5. Surface Water

5.5.1. Surface Water Management

Surface water management is a key environmental issue requiring careful planning and implementation of sediment and erosion control processes and management of potential contamination activities to avoid a reduction in surface water quality. Control measures employed to meet the objectives for surface water are outlined in the SWMSP.

The target identified in the SWSMP relating to surface water management is:

- Zero water contamination incidents from construction, operational and rehabilitation activities.

The SWMSP was updated during this reporting period.

5.5.2. Surface Water Generation Results

The CGP harvests rainwater from the runoff of all buildings within the RGP. This water is stored in above ground rainwater tanks and is used to service the RGP's amenities and wash bay. Once used, the water is separately stored in in-ground grey water and septic water tanks. A combined total of 398 KL of grey water and septic water was transported off site by licensed contractors for disposal at a licensed facility.

5.5.3. Surface Water Monitoring Requirements and Results

The monitoring requirements for water quality stored within the RGP flare pit are detailed in DA-282-6-2003-I and EPL 12003. It is noted that there are no concentration limits for the specified parameters below as the water is not discharged to the environment.

The RGP flare pond has a small volume of water comprising of previously treated water from the RGP, filtered produced water and direct rainfall. Treated water from the RGP and filtered produced water is now stored in separate above ground double walled tanks. Only direct rainfall water goes into the flare pond.



Analysis results for water stored within the RPGP flare pond is as follows, with the previous reporting period results also reported in brackets:

- The water level in the flare pond increased from approximately 1.2m in July 2021 to 1.8m in June 2022 (1.2m – 1.8m);
- Electrical conductivity levels ranged from 1,280 $\mu\text{S}/\text{cm}$ to 8,330 $\mu\text{S}/\text{cm}$ (4,370 $\mu\text{S}/\text{cm}$ to 13,000 $\mu\text{S}/\text{cm}$);
- Total suspended solids ranged from <5 mg/L to 72 mg/L (0 mg/L to 100 mg/L);
- Biochemical oxygen demand levels ranged from <2 mg/L to 37 mg/L (<2 mg/L to 20 mg/L);
- Oil and grease levels ranged from <5 mg/L to 6 mg/L (<5 mg/L to 6 mg/L);
- Total polycyclic aromatic hydrocarbons results were below the Limit of Reporting (below the Limit of Reporting);
- Total phenols results were below the Limit of Reporting (below the Limit of Reporting);
- Total organic carbon levels ranged from <1 mg/L to 48 mg/L (<1 mg/L to 295 mg/L); and
- Total petroleum hydrocarbons were below the Limit of Reporting (below the Limit of Reporting).

5.5.4. Surface Water Related Activities

During the reporting period, activities included:

- Decommissioning of 21 wells: SF02 (commenced in late FY21, completed in FY22), WG02, SL03, LB06, MT08, GL07, GL08, MP17, MP15, MP14, MP13, RP09, RP07, RP08, EM10, EM08, EM13, EM15, EM06, EM39, SF05. A further three wells were commenced: MP11 (in process, not complete), MP22 (in process, not complete), GL02 (commenced in FY22, completed in early FY23);
- The continued operation of the RPGP; and
- Continued operation of the RPGP water treatment plant.

Rainwater that is not collected at the RPGP is diverted to the site's permanent sediment control pond.

On several occasions during the reporting period the Nepean River flooded across the CGP area. AGL enacted the Flood Management Procedure prior to each flood event to ensure the safety of personnel, prevent harm to the environment, and reduce the risk of damage to equipment.

5.5.5. Surface Water – Environmental Performance

There were no surface water contamination incidents recorded or community complaints received in relation to surface water for the reporting period. Hence, AGL met its target as outlined in the SWMSP and RPGP EIS prediction for the reporting period.

5.6. Groundwater

5.6.1. Groundwater Management

Control measures employed to meet the objectives for groundwater are outlined in the SWMSP and Groundwater Management Plan (GMP) of the CGP EMP. The objectives of the GMP are to:

- Describe the water level and water quality monitoring network across the different groundwater systems located beneath the CGP area;
- Identify water level and water quality trends that may suggest connectivity or contamination of aquifers due to CSG activities;
- Provide a monitoring (and an action response) framework for the groundwater monitoring program at the CGP;



- Provide water triggers for an action plan should there be unexpected water level or water quality impacts; and
- Outline the reporting and review requirements for the monitoring program.

The roles and responsibilities for groundwater management are stated in the GMP.

5.6.2. Groundwater Generation Results

During the reporting period, water was produced from CSG wells during dewatering. The following volumes were generated and recycled or disposed during the reporting period:

- 743.65 KL of produced groundwater was generated from wells during dewatering. This volume is well below the licensed 30 ML (i.e. 30,000 KL) of groundwater allocated to the CGP;
- No produced water from AGL wells was reused for production operations;
- A total of 1,724.97 KL of produced water from well sites and the RGP was recycled by AGL's licensed liquid waste contractor.

5.6.3. Groundwater Related Activities

During the reporting period, AGL has actively undertaken a number of measures in relation to groundwater management:

- A 2021-2022 Annual Groundwater and Surface Water Monitoring Report was published in September 2022;
- Water quality monitoring events were completed at selected producing gas wells as part of the groundwater monitoring network and as required by the EPL; and
- Two water quality sampling events and continuous water level monitoring were completed at dedicated groundwater monitoring bores.

AGL's Annual Bore Licence Compliance Report (2021-2022) was submitted to Natural Resources Access Regulator after the reporting period on 21 September 2022.

5.6.4. Groundwater Monitoring Requirements

The groundwater quality monitoring requirements for six monthly and annual sampling of water quality are required by EPL 12003 Condition M2.7 and M2.8.

5.6.5. Groundwater Monitoring Results

Groundwater quality monitoring is required under Condition M2.7 of EPL 12003. The EPL requires groundwater monitoring to be undertaken at monitoring points 8-15; monitoring for some parameters is required on a six-monthly basis, while others are required to be monitored annually. Results are released six monthly and are available on the CGP website. In addition, the results of the monitoring are submitted annually as a Groundwater Monitoring Report (GMR) with the Annual Return.

Of the eight monitoring points identified by the Condition P1.3 of the EPL, only two gas wells (MP07 and MP09) contained sufficient water for sampling to take place during the latest Annual Return period (i.e. 22 December 2020 – 21 December 2021). This is due to many of the operating wells within the CGP producing very low volumes of water. Where produced water from operating wells was sufficient for sampling and testing, salinity (measured by electrical conductivity) ranged between 13,700 and 14,200 $\mu\text{S}/\text{cm}$ during the 2020 – 2021 period.

Full details of results of groundwater monitoring required under EPL 12003 are provided in the Produced Water Quality Monitoring Reports which are available on the CGP website.



In addition to groundwater monitoring required under EPL 12003, AGL collects data from seven groundwater monitoring bores located within proximity to operational gas wells (within approximately 40 meters). This data is compared to data collected from previous reporting periods, and from the now decommissioned four groundwater monitoring bores (RMB site), providing additional information for assessing impacts of wellfield operation on the shallow beneficial aquifers. Results are measured on a six-monthly basis and reported in the CGP Annual Bore Licence Compliance Report, which is provided to the Natural Resources Access Regulator.

The salinity (electrical conductivity) results at the shallow groundwater monitoring bores (where data was available) did not alter significantly during the 2021/22 year. Details of salinity trends from groundwater monitoring bore results are provided at Appendix J of this report.

5.6.6. Groundwater – Environmental Performance / Trends

The total volume of produced water generated has decreased from 1,192.45 KL last reporting period to 743.65 KL this period, representing a decrease of 37.7%. This decrease is due to declining gas production as the Camden Gas Project continues to decommission gas wells. Approximately 90% of operating wells each produced less than 50 KL of produced water.

There was no produced water reused during the reporting period.

Total recycled produced water from well sites and the RPGP has decreased from 2,220.01 KL last reporting period to 1,724.97 KL this period. This decrease is due to a reduction in produced water from the well sites and RPGP.

During this reporting period AGL was compliant with its WALs and Works and Use Approvals conditions.

Data collected from the seven groundwater monitoring bores located within proximity to operational gas wells (within approximately 40 meters) and compared to historical data collected from a remote site with four (now decommissioned) groundwater monitoring bores (RMB site) provides additional information for assessing impacts of wellfield operation on the shallow beneficial aquifers. The salinity (electrical conductivity) at shallow groundwater monitoring bores (where data was available) did not alter significantly during the reporting period. In addition, the water levels collected from the individual dedicated groundwater monitoring bore sites do not show any evidence of long-term effects other than seasonal/climatic variations.

All groundwater analysis results collected as part of the monitoring requirements for AGL's EPL 12003 (eight gas wells requiring 6 monthly water quality monitoring) and all results collected from the seven dedicated shallow groundwater monitoring bores (MPMB01-04, GLMB01-03) are available on the CGP website.

Groundwater monitoring was undertaken in accordance with GMP requirements. There were no reportable incidents recorded or community complaints received in relation to groundwater for the reporting period, consequently AGL's objectives as outlined in the GMP and RPGP EIS prediction have been met for the reporting period.

5.7. Waste Management

5.7.1. Waste management

The Waste Management Sub Plan (WMSP) was revised within the reporting period. The objective of the WMSP is to minimise waste generation and disposal by:



- Purchasing environmentally friendly materials;
- Implementation of reuse and recycling initiatives; and
- Ensuring that environmental impacts relating to waste management are reported and acted upon immediately.

The CGP WMSP identifies the following targets against which performance can be measured:

- Waste disposal and recycling records are accurately maintained for the Environmental Footprint Report and reviewed annually for improvement opportunities; and
- Zero non-conformances concerning waste management practices.

Control measures used to meet the objectives for waste management are outlined in the CGP WMSP.

5.7.2. Waste Generated and Disposed/Recycled

Table 5-2 summarises the amount of waste generated, disposed and recycled during the current reporting period. Waste volumes from the previous reporting period are also reported in brackets.

Table 5-2: Waste generated and Disposed / Recycled

Waste Stream	Amount Disposed	Amount Recycled
Sewage and grey water from the RPGP site and workover rig facilities	398 KL (210.5 KL)	
General Waste	17.62 tonnes (11.16 tonnes)	
Produced water		1,724.97 KL (2,220.01 KL)
Hazardous Waste (exclusive of septic and coal sludge)	237.38 tonnes (19.92 tonnes)	
Waste Oil		3.5 tonnes (13.60 tonnes)
Coal Sludge/Workover Mud	226.14 tonnes	(296.92 KL)
Scrap steel (including batteries)		24.09 tonnes (7.76 tonnes)
Oil filters		2.67 tonnes (4 tonnes)
Paper		3 tonnes (0.55 tonnes)
Co-mingled recycling		4.99 tonnes (9.74 tonnes)
Flare pond water		274.76 tonnes

5.7.3. Waste Management – Environment Performance

AGL continued one waste improvement opportunity during the reporting period. The Return and Earn scheme has continued at the RPGP, with all proceeds donated to charity.

AGL has maintained its process of waste disposal and recycling records and had no non-conformances regarding waste management during the reporting period. Therefore, AGL has met the WMSP targets and RPGP EIS predictions for this reporting period.



5.8. Hazardous Materials

5.8.1. Hazardous Material management

AGL has developed a Dangerous Goods and Hazardous Materials Sub Plan (DGHMSP) to specifically address and manage Dangerous Goods and Hazardous Materials at the CGP. The DGHMSP was updated during this reporting period.

The main objective of the DGHMSP is to manage the purchasing, storage, transport, handling and disposal of Dangerous Goods and Hazardous Materials (including waste Dangerous Goods and Hazardous Materials) during operation, maintenance and rehabilitation activities to minimise the risk of impact to the environment (soil, surface water, groundwater, atmosphere).

The DGHMSP identifies the following target against which performance can be measured:

- Aim towards zero incidents resulting in Dangerous Goods or Hazardous Materials entering the environment or causing harm or injury to personnel.

5.8.2. Hazardous Materials Related Activities

AGL maintains an on-site register of all chemicals in use. The register includes Safety Data Sheets (SDS) for chemicals and appropriate emergency response and first aid provisions.

A Dangerous Goods Notification issued by Safework NSW is not required due to the small quantities of Dangerous Goods stored at the RPGP.

5.8.3. Hazardous Materials – Environment Performance

Activities associated with hazardous materials management were compliant for the period with no reportable incidents recorded or community complaints received. Hence, AGL has met the DGHMSP target for the reporting period.

5.9. Contaminated Land

5.9.1. Contaminated Land Management

No land identified as contaminated or polluted forms part of AGL CGP land holdings.

Management objectives and strategies relating to contamination or pollution are covered in the SWMSP and the DGHMSP. The objectives are to:

- Prevent contamination and associated impacts on riparian corridors and native vegetation throughout the life of the project;
- Minimise negative impacts from construction and operational activities on surface water resources; and
- Manage Dangerous Goods and Hazardous Materials during operation, maintenance and rehabilitation activities to minimise the risk of impact to the environment.

5.9.2. Contaminated Land Management Requirements

The prevention of contamination or pollution management includes a duty to report and manage pollution incidents in accordance with the POEO Act. The provisions of the POEO Act include a requirement for holders of EPLs to prepare, keep, test and implement a Pollution Incident Response Management Plan (PIRMP). The specific requirements for PIRMPs are set out in Part 5.7A of the POEO Act and the *Pollution of the Environment Operations (General) Regulation 2009*.



AGL completed their requirement to develop and implement a PIRMP in 2012. AGL reviewed, updated and tested its CGP PIRMP during the reporting period, in accordance with *Pollution of the Environment Operations (General) Regulation 2009*.

5.9.3. Contaminated Land – Environmental Performance

As noted at sections 5.5.5 and 5.8.3, activities were compliant for the period with no reportable incidents or community complaints associated with land contamination or pollution. Hence, AGL met the relevant Sub Plan targets for this period.

5.10. Threatened Flora and Fauna

5.10.1. Threatened Flora and Fauna Management

An assessment of flora and fauna is undertaken as part of each environmental assessment application relating to a new project development. The aim of the assessment is to determine the potential impact of AGL's operations on the local ecology and to develop suitable management practices to be applied during the project's operational activities. The site assessments are based on a detailed site survey of individual well sites, access routes, pipeline routes and project areas.

In general terms, AGL's selection criteria for new sites aims to target previously disturbed areas and actively avoids areas of native vegetation or of environmental significance.

The disturbance created by the activities involved with the project is primarily limited to construction activities including ground disturbance from vehicles and drilling related equipment, pipeline trenching activities and limited land clearing for well sites.

Through careful planning, the project components avoid significant flora and fauna habitats. There have been no identified significant issues that have been unable to be effectively avoided or managed during the project to date.

Management objectives relating to native flora and fauna are covered in the Flora and Fauna Management Sub Plan (FFMSP). The objectives are:

Flora

- Minimise the loss of remnant native vegetation and promptly carry out rehabilitation activities.
- To promote, monitor and maintain regrowth of rehabilitated vegetation cover to ensure that it is consistent with the surrounding environment and to the satisfaction of the landowner.

Fauna

- Ensure habitat disturbance is avoided during construction and operational activities and to protect fauna from physical harm.

The FFMSP identifies the following targets against which performance can be measured:

- Zero unauthorised disturbance to native flora;
- Zero complaints from landowners relating to native vegetation disturbance; and
- No injured native fauna.

Control measures employed to meet the objectives and targets for flora and fauna are outlined in the CGP FFMSP.



5.10.2. Threatened Flora and Fauna – Environmental Performance

Activities associated with threatened or native flora and fauna were compliant for the period with no unauthorised disturbance to native flora, injured native fauna, incidents recorded, or complaints received. Hence, AGL met its target for management of Flora and Fauna during the reporting period.

5.11. Noxious Weeds Management

5.11.1. Noxious Weeds Management

Management of noxious weeds is covered under the Rehabilitation and Landscape Management Sub Plan (RLMSP) of the CGP. The objective of the RLMSP is to “prevent the introduction and dispersal of noxious weeds, pathogens and pest species”. Noxious weeds may be introduced and/or dispersed via personnel vehicles, equipment and plant.

Specific targets identified in the RLMSP for weed management are:

- Close out of identified weed issues within two weeks;
- Zero complaints from landowners relating to vegetation cover or weed growth.

Control measures employed to meet the objectives and targets for weed control are included within the RLMSP.

5.11.2. Noxious Weed Related Activities

Details of weed spraying including dates, areas sprayed, chemicals used, weather conditions and personnel details are maintained at the RGP site. The following provides a summary of the date and locations of weed spraying undertaken during the reporting period:

- 08 September 2021: Phase 1 wells;
- 06 October 2021: Phase 1 wells;
- 20 October 2021: RP09 and SL02; and
- 25 October 2021: RP10, RB09, KP01/05/06, KP02, Glenlee wells, Workshop.

Approximately 14 L of Slasher herbicide was used during the reporting period.

5.11.3. Noxious Weeds – Environmental Performance

Activities associated with weed control were compliant with the targets identified in the RLMSP during this period, with no reportable incidents recorded or landholder/community complaints received.

5.12. Blasting

No blasting is undertaken as part of the project.

5.13. Operational Noise

5.13.1. Operational Noise Management

All project aspects are designed with the aim of safeguarding the amenity of surrounding residents through the proper management of noise generating activities. The assessment of noise and the design of safeguards



have been carried out in conjunction with field noise studies that have been undertaken since the inception of the project.

A program of monitoring has been established at the RGP. The purpose of the monitoring is to meet licence conditions; demonstrate compliance with licence limits; and to link potential complaints to operational procedures in order to discern those aspects of the project which may be responsible for causing a specific noise problem.

Any noise complaints are compiled and presented for discussion at the annual CCC meeting.

Objectives and targets regarding noise relating to operational activities carried out at the CGP are identified in the Noise Management Sub Plan (NMSP) of the CGP EMP, and are as follows:

Objectives:

- Comply with the operations noise criteria;
- Ensure that there are no unresolved noise-related complaints from the public; and
- Implement best available practice noise management measures for Production Operation works.

Targets:

- Zero exceedances of noise criteria;
- Zero complaints received from sensitive receivers; and

Control measures employed to meet the objectives for noise are outlined in the NMSP.

5.13.2. Operational Noise Limits and Monitoring Requirements

The noise limits and monitoring requirements for the project are listed in the following Development Consents and Project Approvals.

DA 282-6-2003-i Schedule 4 Clause 40 – Annual Noise Monitoring

Noise compliance reports are submitted annually to the EPA as part of the EPL Annual Return. The DP&E receive a summary of this information as part of this AEPR. A summary of the annual report's results is provided in Appendix H.

DA 282-6-2003-i Schedule 4 Clause 41 – Quarterly Noise Monitoring

Quarterly noise monitoring in accordance with DA 282-6-2003-i Schedule 4 Clause 41 was undertaken by RWDI (formerly Wilkinson Murray) at sites R1 and R7, which represent the residential premises most impacted by noise emanating from the RGP.

Quarterly noise monitoring for this reporting period included:

- Attended noise monitoring 28 September 2021;
- Attended noise monitoring 17, 18, 21 December 2021;
- Attended noise monitoring 15 April 2022; and
- Attended noise monitoring 20 June 2022.

Four quarterly operational noise monitoring reports were prepared for the reporting period of July 2021 to June 2022 for the RGP.

All reports stated the RGP to be compliant with noise limits identified in DA-282-6-2003-I.

A summary of the findings of each report is included within Appendix H.



5.13.3. Operational Noise - Environmental Performance / Trends

Operational Noise performance at the Rosalind Park Gas Plant

No noise complaints relating to operational noise from the RPKG were received during the reporting period. This trend is consistent with previous years. Noise performance is consistent with operational noise predictions in the RPKG EIS.

Operational Noise Performance – Field Monitoring

No operational noise monitoring was undertaken during the reporting period.

No noise complaints were received during the reporting period regarding operational noise.

Operational activities are considered compliant with operational noise targets and objectives.

5.14. Construction Noise

5.14.1. Construction Noise Management

Noise generating activities associated with well workover maintenance, decommissioning and rehabilitation may include:

- Workover rig and associated equipment;
- Earth moving activities associated with rehabilitating well pads and access roads; and
- Truck movements.

The NMSP objectives and targets regarding construction noise are listed below.

Objectives:

- Comply with the construction noise goals;
- Minimise noise during the construction phase;
- Limit work activities (other than drilling where approved for 24 hours/ 7 days) to daylight hours between 7:00am and 6:00pm weekdays and between 8:00am and 1:00pm on Saturday. No work on Sundays or public holidays except in emergencies; and
- Implement best available practice noise management measures for construction works.

Targets:

- Zero exceedances of noise goals;
- Zero non-conformances with construction hours; and
- Zero complaints received from sensitive receivers.

Control measures employed to meet the objectives for noise are outlined in the NMSP of the CGP EMP.

5.14.2. Construction Noise Limits and Monitoring Requirements

The noise limits and monitoring requirements are detailed in the Development Consents, Project Approvals and Modifications for the project.

5.14.3. Construction Noise Monitoring Results

During the reporting period, noise monitoring was undertaken by RWDI during the decommissioning of wells EM39, SF05 and SF02. Monitoring was intentionally completed during the loudest decommissioning activities



to simulate worst case scenario. Monitoring was conducted at the nearest residential receptors and compared against the construction noise goals prescribed in the Project Approvals.

The workover rig and its ancillary equipment are specialised equipment which are used to perform well decommissioning. The equipment has previously been modified to mitigate noise and AGL has implemented a thorough maintenance program on all equipment to avoid any deterioration and/or damage of noise attenuation components. Decommissioning works are relatively short in duration (i.e. two to three weeks) and are restricted to weekday daytime hours only.

Prior to commencing well decommissioning, AGL assesses each site to ensure that all reasonable and feasible measures are implemented to mitigate noise from the source to the receptor. This includes equipment positioning and orientation, noise walls, timing of works, advanced notification to nearby residents, and community notification signage on site perimeter boundaries.

The results of some noise monitoring exceeded the construction noise goals at SF02 and SF05, however EM39 was compliant with the construction noise goals. The construction noise goals set in the Project Approvals are based on Rating Background Levels (RBLs) established over ten years ago, detailed within the Spring Farm and Menangle Park Environmental Assessment. RBLs in the vicinity of the well sites may have increased since then due to general traffic growth in the area and the presence of new residential developments and local roads. As such, the emergence of operational noise levels over the RBLs may have reduced and the reported noise impacts are likely to be conservative.

5.14.4. Construction Noise Performance and Trends

No noise complaints were received during the reporting period regarding construction noise, consistent with the previous reporting period.

Construction activities did not fully achieve the construction noise targets and objectives.

5.15. Visual Amenity

5.15.1. Visual Amenity Management

The visual impact of the well sites is relatively low, primarily due to the small area of land surface occupied. The visual impacts of well sites are minimized further through their design, spacing and integration with the prevailing topography.

Flaring at the RPGP can result in a glow if it occurs at night. The overall approach by AGL has however progressed to the point where flaring at the RPGP was minimal during the reporting period.

Management of Visual Amenity issues is covered in the CGP RLMSP. The objective of the RLMSP is to minimise the impacts to the visual characteristics of the Project area. The target set in the Plan is to achieve zero complaints from residents relating to visual impacts.

5.15.2. Visual Amenity Monitoring Requirements

The monitoring requirements for visual amenity are detailed in DA 282-6-2003-i.

The biennial independent “Landscape and Lighting Audit Report” (Landscape and Lighting Audit) was conducted in May 2021. The Landscape and Lighting Audit Report concluded that the Vegetation and Landscape Management Plan (VLMP) monitoring was correct, in accordance with performance and review



objectives, and in a format that is suitable for continued and on-going report monitoring. The next audit will be completed in May 2023.

5.15.3. Visual Amenity Monitoring Results

Flare Events (Schedule 4, Clause 11)

In accordance with DA 282-6-2003-i Schedule 4 Clause 11, AGL recorded the frequency and operation of the flare. The Flare event log is provided in Appendix I.

Four flare events occurred during the reporting period and had a total duration of 146 minutes. These events occurred on 23 March 2022, 13 April 2022 (two events) and 18 May 2022. The duration of flaring events decreased from the previous AEPR period, where ten field flare events occurred and lasted 591 minutes.

In accordance with DA 282-6-2003-i Schedule 4 Clause 11 (f), Appendix I includes a comparison of the frequency, night-time frequency, duration and estimated light level of each type of flare event with the flare events predicted in Table 2 of the report URS (2003) "Sydney Gas Proposal Stage 2 Coal Seam Methane Project Visual Assessment of Lighting and Flare" prepared by URS for Sydney Gas dated 6 November 2003."

Independent Audit of Vegetation and Landscape Management Plan (Schedule 4, Clause 13 and 14)

In accordance with DA 282-6-2003-i Schedule 4 Clause 13, a Vegetation and Landscape Management Plan (VLMP) was prepared, submitted and approved by the DP&E on 2 July 2004. The RGP is maintained and monitored in accordance with the VLMP to ensure the condition of the landscaping and the effectiveness of visual mitigation measures remain adequate.

In accordance with DA 282-6-2003-i Schedule 4 Condition 14 the VLMP was independently monitored every six months for the first two years and thereafter every two years by an approved independent and suitably qualified arborist.

The DP&E approved the 2021 Landscape and Lighting Audit which satisfied the requirements of Schedule 4, Condition 14 of DA 282-6-2003i. The next audit is scheduled for May 2023.

Independent Audit of Visual Impacts of the RGP (Schedule 4, Clause 18)

Clause 18 requires that the requirements of the Landscape Planting Plan are independently audited initially within six months of completion of the landscaping and biennially thereafter. The independent audit was combined with the independent audit of the VLMP required under Clause 18 and was undertaken in May 2021. The DP&E approved that the Landscape and Lighting Audit satisfied with all relevant consents assessed. The next audit will be completed in May 2023. No complaints were received relating to lighting controls during the reporting period.

Landscape Planting Plan for the relocated access road (DA Mod 2 May 2007, Schedule 4, Clause 19A and 19B)

A Landscape Planting Plan was prepared for the Rosalind Park access road and approved by the Director-General (DG) of the then Department of Planning on 21 May 2007.

Clause 19B requires that the requirements of the Landscape Planting Plan are independently audited initially within six months of completion of the landscaping and biennially thereafter. The independent audit was combined with the independent audit of the VLMP required under Clause 18 and was undertaken in May 2021. The DP&E approved that the Landscape and Lighting Audit satisfied with all relevant consents assessed. The next audit will be completed in May 2023.



5.15.4. Visual Amenity Performance / Trends

Landscaping and Lighting

No complaints or reportable incidents were received during this reporting period in relation to landscaping or visual impacts at the RGP for this reporting period.

During the next reporting period, AGL plans to continue the current maintenance program for on-going landscape maintenance measures through regular weed and grass control around trees and mulch where necessary to suppress grass growth.

Flare Events

Four flare events occurred within this reporting period and totalled 146 minutes, which represents a decrease since the previous AEPR period, where ten field flare events lasted 591 minutes. Please refer to Appendix I for more information.

Summary

No complaints or incidents relating to visual amenity were recorded during the audit period. Hence, AGL has successfully met its target for visual amenity at the CGP.

5.16. Aboriginal Heritage

5.16.1. Aboriginal Heritage Management

Aboriginal cultural heritage and archaeological assessments are conducted as part of the Environmental Impact Assessment process.

The conclusion from the various assessments is that the CGP area is generally considered to be of low archaeological potential. Despite this, evidence of Aboriginal occupation of the area has been identified during the surveys.

In regard to cultural heritage, the management objective is to protect and preserve cultural heritage. Control measures employed to meet the objectives for Aboriginal heritage are outlined in the Aboriginal Cultural Heritage Management Sub Plan of the CGP EMP.

Due to recent Aboriginal Heritage Impact Permit (**AHIP**) approvals issued by the Office of Environment and Heritage (**OEH**), the Aboriginal Cultural Heritage Management Plan was updated during the reporting period. This plan provides the process for on-going management of recorded aboriginal archaeological sites and identified areas of Potential Archaeological Deposit (**PAD**) to guide the design, location and implementation of future works within the CGP.

5.16.2. Aboriginal Heritage Related Activities

In September 2021, an AHIP application was submitted to the OEH to relocate several artefacts on an existing access track in the Glenlee Field. On 11 February 2022 the AHIP for the Glenlee field was approved by the OEH. The relocation activities were undertaken in consultation with the local Traditional Owners in April 2022, although the artefacts were unable to be located for the purpose of relocation.

5.16.3. Aboriginal Heritage Management Performance

No AGL related reportable incidents were recorded or community complaints received. AGL has successfully met its target and EIS prediction regarding aboriginal heritage at the CGP. This performance is consistent with the previous reporting period.



5.17. European Heritage

5.17.1. European Heritage Management

In terms of European heritage, the CGP area falls within the lands originally granted to early British pastoralist John Macarthur. Accordingly, the project is located within an area associated with early European occupation and land use, particularly regarding early agricultural expansion.

The project area is located, at least partially, within three Historic Cultural Landscapes. These areas have been classified based on their landscape patterns and historical associations according to relevant and standard evaluation criteria. For the most part, project components were selected to avoid known or potential sites of non-Aboriginal or natural heritage significance.

Regarding cultural heritage, the management objective is to protect and preserve European cultural heritage.

Control measures employed to meet the objectives for cultural heritage are outlined in the European Heritage Management Sub Plan of the CGP EMP. The European Heritage Management Sub Plan was updated during this reporting period.

5.17.2. European Heritage Related Activities

No activities impacting on European heritage were carried out by AGL during the reporting period.

5.17.3. European Heritage Management Performance

No activities impacting on cultural heritage were undertaken for this period with no reportable incidents recorded or community complaints received regarding European Heritage. AGL has successfully met its target and EIS prediction regarding European Heritage at the CGP. This performance is consistent with the previous reporting period.

5.18. Spontaneous Combustion

Spontaneous combustion is an environmental aspect associated with coal mining and as such is not applicable to the CGP.

5.19. Bushfire

5.19.1. Bushfire Management

Operational activities have the potential to ignite bushfires through the operation of flammable fuel powered equipment, flares and / or vehicles. Flaring at the RPPG is strictly controlled to minimise any potential to start or spread a bushfire situation. This is achieved by positioning the flare in a non-hazardous location directly above a flare pond containing water and surrounding the pond adjacent to the flare with non-combustible screens.

Regarding bushfire risk, the management objectives are:

- Manage potential bush fire fuel surrounding our facilities such as grass;
- Manage the preparedness and emergency response of AGL employees for bush fires; and
- Comply with government approval license requirements that form part of AGL Camden Gas Project.



Control measures employed to meet the objectives for bushfire control are outlined in the Emergency Response Plan which has been updated during this reporting period.

5.19.2. Bushfire – Environmental Performance

During the reporting period, there were no reported bushfires on land managed by AGL. AGL has successfully met its target regarding Bushfire Management at the CGP. This performance is consistent with the previous reporting period.

5.20. Mine Subsidence

Mine subsidence is an environmental aspect associated with coal mining and as such is not applicable to the CGP.

5.21. Methane Drainage / Ventilation

Methane drainage/ventilation is the process associated with underground coal mining and as such is not applicable to the CGP.

5.22. Public Safety

5.22.1. Public Safety Management

Public safety is assured through compliance with:

- Operational Protocols;
- AGL Health and Safety Policy;
- Implementation of management sub plans within the EMP; and
- Site and Infrastructure Security.

5.22.2. Public Safety - Performance

During this reporting period there were no public safety related reportable incidents recorded. This performance is consistent with the previous reporting period.

5.23. Safety and Risk Management

5.23.1. Safety and Risk Management Monitoring Requirement

The monitoring requirements for incident reporting as a result of a Development Consent condition are outlined in the EMP.

5.23.2. Incident Reporting

During the reporting period a total of four Environmental Hazards, zero Near Misses, and one Incident were reported within AGL's incident reporting system, myHSE. Two of the Hazards were assessed as 'low' risk rating; two of the Hazards and the one Incident were assessed as 'moderate' risk rating. The Incident related to the exceedance of annual load limits for benzene and hydrogen sulphide as reported in Section 5.3.4.

Each report was investigated by the responsible AGL Leader, and suitable actions were implemented to avoid a recurrence.



The Environmental Hazards, Near Misses and Incident recorded can be grouped and summarised as follows:

- Compressed air leak;
- Fuel gas leak;
- Annual load limit exceedances; and
- Vegetation management.

By comparison, nine low risk Environmental Hazards were reported in the previous reporting period.

5.23.3. Safety and Risk – Environmental Performance

During this reporting period there were no significant safety or risk management related reportable environmental incidents recorded. This performance is consistent with the previous reporting period.

5.24. Environmental Training

During the reporting period, AGL personnel were provided with environmental awareness training on the following topics.

Table 5-3: Environmental Training Delivered in FY22

Title of Training	Date Delivered	Summary of training
Annual Health, Safety and Environment Training	October 2021	<ul style="list-style-type: none"> - Background - Purpose - Objectives and Targets - Responsibilities
Cultural Heritage Capability Training	May 2022	<ul style="list-style-type: none"> - Understanding of Aboriginal logic of connection to Country - Understand obligations to care for Country - Recognise the existence of Aboriginal knowledge systems - Recognise the basis for respect paid to Aboriginal elders



6. Rehabilitation

6.1. Rehabilitation Overview

Operations are planned such that disturbance occurs to the minimum area of land possible. Large trees and canopy areas are avoided wherever possible by careful route and site selection and all disturbed areas restored to as near as practicable their pre-existing conditions and contours. A program of planned maintenance ensures that regrowth is facilitated, and weeds do not establish.

At the end of the project's life, surface infrastructure is removed prior to full site restoration being undertaken.

The environmental management objectives for rehabilitation are to:

- Promptly carry out rehabilitation activities to promote vegetation regrowth in disturbed work areas to a standard consistent with the surrounding area;
- Promote and maintain regrowth of vegetation;
- Monitor and maintain vegetation cover to ensure that it is consistent with the surrounding environment in consultation with the landowner;
- Prevent the introduction and dispersal of noxious weeds, pathogens and pest species; and
- Monitor well compounds, access roads, and gathering line routes for 12 months (or until landowner signs off) following rehabilitation to ensure that areas remain free of weeds, pathogens and pest species.

Control measures employed to meet the objectives for rehabilitation are outlined in the Rehabilitation and Landscape Management Sub Plan.

Targets identified to measure the performance of rehabilitation are listed in the Rehabilitation and Landscape Management Plan as follows:

- Close out of identified weed issues within two weeks;
- Zero complaints from landowners relating to vegetation cover or weed growth; and
- Zero complaints received from landowners relating to land disturbance or infrastructure.

6.1.1. Rehabilitation of Disturbed Land

Specific rehabilitation activities associated with the project may be subdivided into four main components:

- Wellheads;
- Gas gathering system;
- Access Roads; and
- Gas plants.

Progressive rehabilitation is an on-going management practice for all areas that have resulted in disturbance from the project. Table 6-1 lists a summary of the rehabilitation works completed since the project was commenced.

Table 6-1: Summary of project rehabilitation works complete as of 30 June 2022

PPL	Wells Drilled (total)	Wells – Initial Surface Rehabilitation	Wells – Final Surface Rehabilitation	Gas Plant – Fully Operational	Gas Plant – Fully Rehabilitated
1	38	5	33	0	1
2	5	4	1	0	0
4	96	35	61	1	0
5	5	4	1	0	0
6	0	0	0	0	0

Final surface rehabilitation works were undertaken in consultation with the landowner, MEG and EPA for seventeen decommissioned wells in PPL4 (MT06, WG02, SF02, SL03, MT08, GL07, GL08, MP17, MP15, MP14, MP13, RP09, EM10, EM08, EM13, EM15, EM06) and one decommissioned well in PPL1 (LB06).

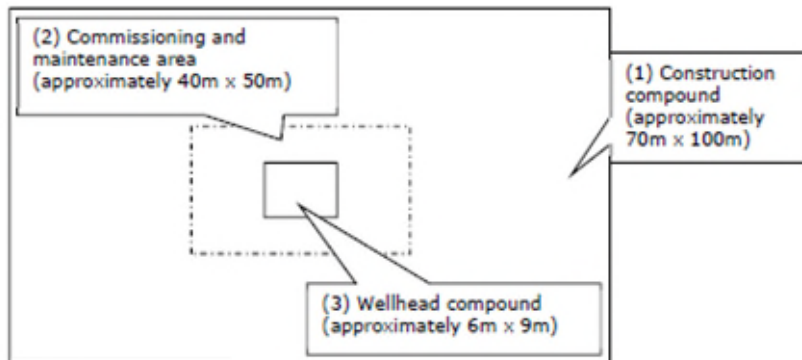
6.1.2. Well Sites

All well sites are located in cleared farmland or in areas clear of native vegetation, with additional clearing being minor or not required.

Rehabilitation of well surface locations is undertaken in stages. These include:

- Initial surface rehabilitation of surplus construction footprint following completion of the well drilling and construction phase to the commissioning and maintenance area (refer to stages 1 to 2, Figure 6-1);
- Further rehabilitation of the commissioning area to the production compound would occur when the well(s) have reached steady state production (refer to stage 2-3, Figure 6-1); and
- Final surface rehabilitation of well sites following decommissioning of the wells.

Figure 6-1: Well Site Progressive Rehabilitation Stages



Long-term operation of the wells requires the retention of a cleared area around each wellhead (indicated as stage 3 in Figure 6-1). The disturbed area outside of the on-going operational area of the well is rehabilitated in the following manner:

- Backfilling excavated areas such as drill pits which are no longer required as part of operation; and
- Rehabilitation, contouring, and revegetating disturbed areas surrounding well surface locations using stockpiled soil.

Upon depletion of the field, the wells are to be decommissioned in accordance with the applicable requirements of the NSW Code of Practice for Coal Seam Gas Well Integrity and all surface structures removed.

The final stage rehabilitation works typically include:

- Preparing Site Specific Rehabilitation Completion Criteria for each well site in consultation with the MEG and EPA;
- Removing plant and equipment from well surface locations and removal of fenced compounds;
- Filling in excavated areas and trenches;
- Decommissioning of wells in accordance with NSW Code of Practice for Coal Seam Gas Well Integrity;
- Lightly ripping disturbed areas;
- Rehabilitation, contouring, and revegetating disturbed areas;
- Undertaking quarterly inspections of rehabilitated wells until the Site-Specific Rehabilitation Completion Criteria has been fully satisfied and the landowner signs off on the rehabilitation works; and
- Final site inspection with EPA to assess that the rehabilitation works have fully satisfied the Site-Specific Rehabilitation Completion Criteria.

Quarterly inspections were undertaken at rehabilitated wells RP04, RP05, WG05, WG01, WG03, EM25, EM18, EM27, MT06, WG02, SF02, SL03, LB06, MT08, GL07, GL08, MP17, MP15, MP14, RP09, RP07, RP08, EM10, EM08, EM13, EM15 throughout the reporting period. Rehabilitation works progressed well towards achieving the Site-Specific Rehabilitation Completion Criteria and only minimal weed control and additional reseeding was required across the sites. During the reporting period, nineteen well surface locations (RP04, RP05, WG05, WG01, WG03, EM25, EM18, EM27, MT06, WG02, SL03/ SL09, LB06, MT08,



GL07/ GL16, GL08, MP17, MP14, MP13, GL05/ GL17) achieved the Site-Specific Rehabilitation Criteria. Further details are provided in Appendix D.

6.1.3. Gas Gathering System

Initial surface rehabilitation of the gas gathering system occurs at the time of construction.

Upon depletion of the field and the completion of the CGP, the preferred method for final rehabilitation of the gas gathering system would be to purge with air or water to remove remaining gas, seal and leave the valuable infrastructure in position for future beneficial use and to prevent any further environmental disturbance. All gas gathering line marker posts would be removed from the surface.

The rehabilitation method for the gas gathering lines would be subject to consultation with the landowner. Should removal of the gas gathering system be required, the excavated trench would be backfilled and rehabilitated, including contouring and revegetation, the same as the initial rehabilitation following installation of the gathering lines.

6.1.4. Access Roads

Private roads and tracks used during operations will be returned to their pre-operations state, or to a condition agreed by the landholder. As new roads are provided, requirements for, and location of access roads may vary. AGL will work with this to adapt to the evolving nature of road development and access provision in the locality.

6.1.5. Buildings and Auxiliary Facilities

The provision of offices and auxiliary services for the CGP operations of AGL are located at the RPGP site. There was no rehabilitation of buildings and auxiliary facilities during the reporting period.

6.1.6. Other Infrastructure

Rehabilitation of other infrastructure is not required as part of the CGP.

6.2. Rehabilitation Trials and Research

AGL conducts its operations in areas of extensive previous rural use. It avoids wherever possible stands of remnant native or regrowth native flora at the planning stage. As such AGL rehabilitation processes primarily only require the re-establishment of pastureland.

During this reporting period AGL did not undertake or participate in any rehabilitation research or trials.

6.3. Further Development of Final Rehabilitation Plan

In February 2016, AGL announced that it will progressively decommission wells and rehabilitate sites at the CGP prior to ceasing production in 2023.

In June 2020, AGL entered the early planning stages of decommissioning the RPGP site. During 2022-23, the RPGP will undergo a staged approach of decommissioning similar to a well site, where the surface infrastructure is removed, land recontoured and the site rehabilitated to its original state or better for the landowner to resume agricultural activity. The decommissioning and rehabilitation works are subject to the terms of the planning consent and in consultation with the landowner, EPA, MEG and the DPE-RR.



Once production ceases, the wells which are still operational at that time will be decommissioned and the well sites fully rehabilitated.

AGL recognises that early planning will ensure that the closure of operations is technically, socially and economically feasible, and will result in a more satisfactory environmental outcome.

6.4. Rehabilitation Activities Proposed in Next AEPR Period

Planned decommissioning and surface rehabilitation activities during the next AEPR reporting period will include EM07, EM11, EM20, EM24, EM30, EM38, EM39, GL02, GL04, GL09, GL11, GL12, GL13, KP01, KP02, KP05, KP06, LB10, MP11, MP22, MP23, MT03, MT07, SF05, SL02. Wells may change slightly based on operational performance and landowner preference.

6.5. Further Improvements

Over the forthcoming reporting period, AGL will continue to develop the CGP in accordance with the CGP EMS and AGL's Health, Safety and Environment Management System which is based on ISO 14001: 2004.

6.6. Closure Plan

In February 2016, AGL announced that it will progressively decommission wells and rehabilitate sites at the CGP prior to ceasing production in 2023.

As stated in Section 6.3, during 2022-23, the RGP will undergo a staged approach of decommissioning similar to a well site, where the surface infrastructure is removed, land recontoured and the site rehabilitated to its original state or better for the landowner to resume agricultural activity.

Once production ceases, the wells which are still operational at that time will be decommissioned and the well sites fully rehabilitated.



7. Project Commitments Register

AGL understands that the Project Commitments Register (PCR) was implemented by Sydney Gas during project start-up phase. The purpose of the PCR was to keep the Department of Planning informed on the implementation of commitments and initiatives made by Sydney Gas for the construction phase of the RPGP and wells associated with the Development Consent (DA 282-6-2003i, Schedule 3 Condition 18). The Development Consent was issued to Sydney Gas in 2004.

Based on the findings of previous Independent Environmental Audits dating back to 2006-2008, AGL understands that DA 282-6-2003i, Schedule 3 Condition 18 was satisfied and closed out by Sydney Gas. AGL currently operates a compliance management system and has implemented an Environmental Management Plan to ensure compliance with all Development Consent and Licence conditions for the remaining operations phase of the Camden Gas Project.

Appendix L includes a summary of compliance with Development Consent and Project Approval conditions currently in force.



8. Stakeholder Engagement

This Section of the AEPR describes stakeholder engagement that has been undertaken during the reporting period.

8.1. Environmental Complaints

8.1.1. Stakeholder Management

A complaint handling procedure has been established for the CGP operations. AGL has a 24-hour contact telephone number (1800 039 600) which allows the community to raise issues or concerns that relate to the operations of the Project.

This number is included on signs at property entries and well site compounds as well as on notifications to landowners and the Camden Gas Project website.

Complaints are entered into a complaints database which triggers AGL personnel to undertake an investigation. Relevant site personnel are also notified to resolve issues and to make them promptly aware of the concern.

Resolution details are communicated directly to the complainant and are presented at the annual CCC meeting.

8.1.2. Complaints Register Requirements

This section provides a summary of the environmental complaints received and management actions taken to address issues. The requirement for a complaints register to be maintained and complaints' actions is outlined in the following Development Consents as well as the EPL 12003 for the RGP:

- DA 246-8-2002-I Schedule 3, Clause 15;
- DA 282-6-2003-i Schedule 5, Clause 19;
- DA 15-1-2002i Schedule 3, Clause 29; and
- DA 75-4-2005 Schedule 2, Clause 59.

The requirements detailed in the above Development Consents are similar with only minor differences in wording between the different approval documents.

In summary, the Development Consents require the applicant to record details of all complaints received in an up-to-date register and record but not necessarily limited to the following:

- a) the date and time, where relevant of the complaint;*
- b) the means by which the complaint was made;*
- 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 complaints;*
- e) any action(s) taken by the Applicant in relation to the complaint, including any follow-up contact with the complainant; and*
- f) if no action was taken by the Applicant in relation to the complaint, the reason(s) why no action was taken.*



The Complaints Register shall be made available for inspection by the EPA or the Director-General upon request. A record of the complaint must be kept for at least 4 years after it was made.

8.1.3. Summary of Environmental Complaints

No community complaints regarding environmental concerns were received during this reporting period.

8.1.4. Complaint Trend

The number of complaints received in the 2021-2022 reporting period was consistent with the previous reporting period.

8.2. Community Consultative Committee

8.2.1. Monitoring Requirement

The requirement for a CCC is outlined in the following Development Consents:

- DA 246-8-2002-I Schedule 3, Clause 31;
- DA 282-6-2003-i Schedule 5, Clause 17;
- DA 15-1-2002i Schedule 3, Clause 90;
- DA 75-4-2005: Schedule 2 Clause 61;
- PA 06_137: Schedule 4, Clause 8;
- PA 06_138: Schedule 4, Clause 8; and
- PA 06_0291 Schedule 4, Clause 8.

The requirements detailed in the above Development Consents are similar with only minor differences in wording between the different approval documents.

In summary, the Development Consents require that a CCC is established to oversee the environmental performance of the development. This Committee shall:

- a) be chaired by an independent chairperson approved by the Director-General in consultation with the Applicant, Wollondilly Council and Camden Council;*
- b) have four community representatives residing in the PAL 1 area;*
- c) have one representative from each council;*
- d) two representatives appointed by the Applicant (including the environmental officer);*
- e) two (2) representatives from a recognised environmental group;*
- f) meet at least quarterly;*
- g) take minutes of the meeting; and*
- h) make comments and recommendations about the implementation of the development and environmental management plans, monitor compliance with conditions of this consent and other matters relevant to the operation of the development during the term of the consent.*

Representatives from relevant government agencies or other individuals may be invited to attend meetings as required by the Chairperson.



8.3. Community Engagement

AGL has pro-actively engaged with the community to keep residents informed of the CGP and ensure that community interests are listened to and addressed. AGL has raised awareness of its activities and created a strong relationship with the community through a range of community engagement initiatives which include:

- Employment of a permanent Community Relations Manager for the CGP;
- Consultation with affected landholders;
- Hosting community member and industry stakeholder site tours and information sessions;
- Listening to and addressing community concerns through monitoring initiatives and studies;
- Participation in community events;
- Volunteering with local initiatives;
- Ensuring the AGL Camden Website is regularly updated; and
- Distributing community consultation material at local events.

A considerable amount of consultation has taken place directly with each landowner. This has ensured that their interests can be quickly understood and specifically addressed.

The CCC was formed in early 2003. The purpose of the committee is to provide a forum of open discussion between AGL and the community. It is aimed at facilitating good working relationships among committee members and to act as a channel to assist AGL in improving communication, education and notification within the general community.

The committee consists of:

- Chairperson;
- Camden Council;
- Campbelltown City Council;
- Wollondilly Shire Council;
- Five Community Members; and
- Two AGL Members.

AGL plans to continue to pro-actively engage the community for the duration of the project.

8.3.1. Community Consultative Committee

CCC meetings were undertaken on the following dates:

- No. 57: 29 September 2021.
- February 2022 (No meeting, quarterly update provided for October to December 2021);
- June 2022 (No meeting, quarterly update provided for January to March 2022); and
- July 2022 (No meeting, quarterly update provided for April to June 2022).

CCC meeting minutes and presentations are made available on the CGP project website once they have been accepted by the CCC within three weeks of the meeting (as per the NSW Department of Planning & Environment *Community Consultative Committee Guidelines*, November 2016). The CCC previously agreed to reduce meeting frequencies from quarterly to once per year. In addition to this, AGL will provide project updates in electronic format each quarter when CCC meetings are not held.

The following table outlines a summary of actions arising from meetings and their status at the time of this document's publication.



Table 8-1: CCC Meeting Action Items (1 July 2021 to 30 June 2022)

Action Item	Responsible	Status
Meeting 57: 29 September 2021		
AGL propose that CCC input would be appreciated for legacy fund ideas at next CCC meeting in September 2022	Senior Manager, Stakeholder Relations	Ongoing

8.3.2. Other Consultation and Community Support

The following consultation processes have also been undertaken during this reporting period:

- Community Consultative Committee meetings;
- Email updates to Camden, Wollondilly and Campbelltown Local Governments;
- Email and phone updates to local State Members of Parliament in the project area;
- AGL’s Camden Website updated regularly www.agl.com.au/camden;
- Providing grants to local community groups including Bargo Men’s Shed, Thirlmere RFS, Picton Swim Club, Macarthur & District Australian Native Orchid Group, Buxton Community Association, Buxton RFS, Camden Swim Club, Animal Trust Society, Karitane, Kids of Macarthur Health Foundation, and Flood Relief Donations.

8.4. Site Visits

During the reporting period, the following site visits were completed:

- EPA site inspections to producing well sites; and
- EPA and MEG site inspections to well sites during decommissioning and rehabilitation.



9. Summary of Environmental Non-Compliance Issues and Actions

9.1. Identification of Environmental Non-Compliance Issues

This section describes the performance of the CGP against AGL's environmental regulatory requirements (listed in Section 3.1 of this AEPR). AGL reviews its environmental regulatory requirements through the following process:

- Review during EPL Annual Return process;
- Weekly SAP review;
- Annual revision of the CGP EMP (and Sub Plans, as required);
- Independent Environmental Audits; and
- Regulatory audits and inspections completed during the reporting period.

This section provides a summary of the environmental non-compliances identified during this reporting period.

9.1.1. Annual Return

Non-conformances with EPL 12003 are reported in the Annual Return to EPA. The 2021 Annual Return for EPL 12003 (covering the period of 22 December 2020 to 21 December 2021) was submitted to the EPA on 18 February 2022 in accordance with the EPL.

Three non-compliances were reported within the Annual Return. Quarterly air emissions monitoring was unable to be completed on Compressor Engine 1 on one occasion, and load limits were exceeded for benzene and hydrogen sulphide.

9.1.2. Non-Compliances Identified During Independent Environmental Audit

2018-2020 Independent Environmental Audit

During the previous reporting period, an IEA was undertaken by Treo Environment for the period of 1 July 2018 to 30 June 2020. The audit assessed whether the CGP had complied with the relevant standards, performance measures, and statutory requirements, as outlined in:

- PA 06_0137 (Razorback)
- PA 06_0138 (EMAI)
- PA 06_0291 (Spring Farm and Menangle Park)
- DA 15-1-2002-I (Apap, Joe Stanley, Johndilo, Loganbrae, Lipscombe and Mahon);
- DA 246-8-2002-I (Kay Park);
- DA 282-6-2003-I (RPGP, Rosalind Park, Wandinong, EMAI (EM01-20, 40));
- DA 183-8-2004-I (Mt Taurus and Menangle Park);
- DA 9-1-2005 (Glenlee Wells);
- DA 75-4-2005 (Sugarloaf Farm);
- Environment Protection Licence 12003;
- Water Access Licences (2);
- Works and Usage Approvals (2);
- Industrial bore licences (8); and
- Petroleum Production Leases (5).

The 2018-2020 IEA recorded a total of nine (9) non-compliances with respect to 20 conditions from a total of approximately 1800 conditions assessed. This equates to greater than 99% project compliance. The auditor



considered the non-compliances to be of low risk. AGL received a request for clarification from the DP&E on 1 October 2021, regarding corrective actions to address non-compliances. AGL provided further information to the DP&E on 21 October 2021.

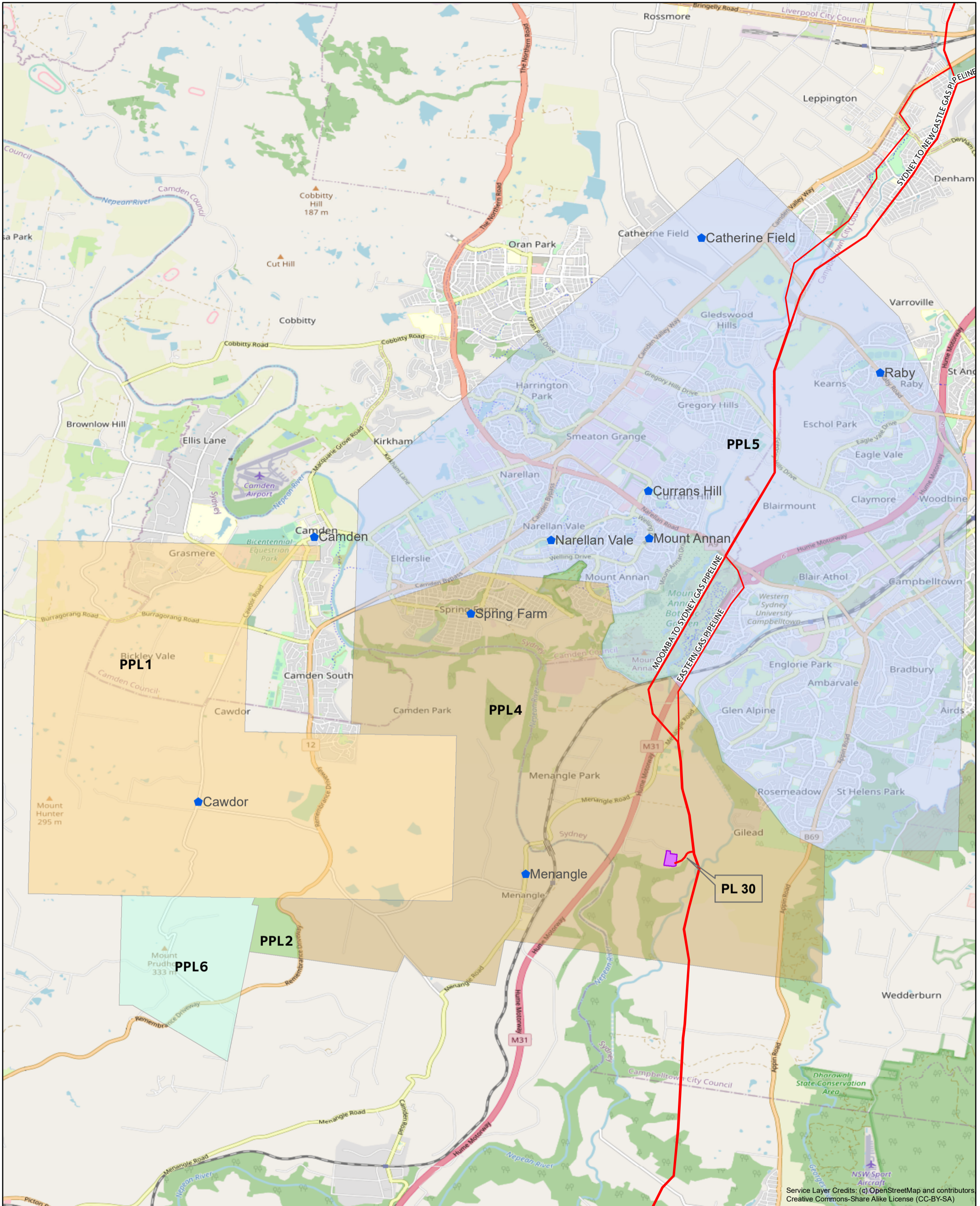
A summary of the corrective actions from the 2018-2020 IEA is provided at Appendix K. A copy of the 2018-2020 IEA Report can be found on the Camden Gas Project website.

<https://www.agl.com.au/content/dam/digital/agl/documents/about-agl/how-we-source-energy/camden-gas-project/agl-camden-gas-project-independent-environmental-audit-2018-2020.pdf>



Appendix A. Camden Gas Project Petroleum Production Lease (PPL)
Locations

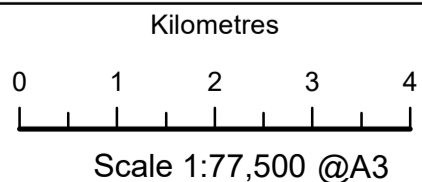
Camden Gas Project PPL Locations



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Author: Gas Operations
Date: 18/10/2021
Ref: 1652R4



- Legend**
- PPL 1
 - PPL 2
 - PPL 4
 - PPL 5
 - PPL 6
 - PL 30
 - RGP
 - Towns
 - Gas Pipelines



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Appendix B. Camden Gas Project Property Details

Area	Well Numbers	Property Lot Number	Deposited Plan No.	DA No.
Apap	AP 02* & AP03*	11	664430	15-1-2002i (Mod 4 July 07)
Campbelltown Council – Menangle Park	Gas gathering system	3 7 1	236059 787284 249393	282-6-2003i (Mod 26 August 2004)
	Water storage tank	1-3	1187569	282-6-2003i (Mod 26 August 2004)
Joe Stanley	JS 01, JS 03 & JS 04	2	14701	15-1-2002i
Johndilo	JD 01 & JD 08*	2	1200380	15-1-2002i
Johndilo	JD 11	1	1180187	15-1-2002i
Lipsombe	LP 01	100	793384	15-1-2002i
Logan Brae	LB 06 & LB 09 – LB 11	6	808569	15-1-2002i
Landcom	Gas gathering system	D 2006-2013	19853 1234643	282-6-2003i (Mod 26 August 2004)
Kay Park	KP 01 – KP 03	2	594242	246-8-2002i
	KP 05 & KP 06	2	594242	246-8-2002i (Mod 4 July 2007 & Mod 20 April 2011)
EMAI	EM 01, EM 05 – EM 08	2	1050479	282-6-2003i (Mod 26 August 2004)
	EM 09 – EM 17	2	133910	282-6-2003i (Mod 26 August 2004)
	EM 18 – EM 20	1	130288	282-6-2003i



Area	Well Numbers	Property Lot Number	Deposited Plan No.	DA No.
	EM 21 (EM 1H), & EM 22 (EM 1V)	2	133910	9-1-2005
	EM 24-26*, 27, 29*-32	1	130288	PA 06_0138
	EM 28	2	133910	PA 06_0138
	EM 33-35*, 36*	2	1050479	PA 06_0138
	EM 37	2	1050479	PA 06_0138 (Mod 6 August 2007)
	EM 38	1	130288	282-6-2003i (Mod 4 July 2007)
	EM 39	2	1050479	282-6-2003i (Mod 11 April 2008)
	Gas gathering system	1 1 11 PT1	130288 726446 658458 168893	282-6-2003i (Mod 26 August 2004)
Glenlee	GL 02, GL 04	22	1125616	9-1-2005
	GL 05, GL 7-GL 9	38	1098588	282-6-2003i
	GL 06	2	1076817	9-1-2005
	GL 11	22	1125616	9-1-2005
	GL 12, GL13	22	1125616	9-1-2005
	GL14, GL15	1102	883495	282-6-2003 (Mod 16 May 2006)
	GL 16	38	1098588	282-6-2003 (Mod 16 May 2006)



Area	Well Numbers	Property Lot Number	Deposited Plan No.	DA No.
	GL 17	38	1098588	282-6-2003 (Mod 11 April 2008)
	Gas gathering system	1102 38	883495 1098588	282-6-2003i (Mod 26 August 2004)
Menangle Park	MP 13-MP 17, MP25	10	1022204	183-8-2004-i
	MP30	10	1022204	183-8-2004-i (Mod 4 July 2007)
Mt Taurus	MT 01-MT 10	1	954424	183-8-2004-i
Razorback	RB 03* & RB 04*	1	959711	PA 06_0137
	RB 05*	2	572954	PA 06_0137
	RB 07	81	588337	PA 06_0137
	RB 06, RB 08 & RB 09	124	809576	PA 06_0137
	RB 10	82	588337	PA 06_0137
	RB 11 & RB 12	123	809576	PA 06_0137
Rosalind Park	RP 01*- RP 03	3	622362	282-6-2003i
	RP 02	3	622362	282-6-2003i
	RP 04-RP 07	58	632328	282-6-2003i
	RP 08, RP 09	PT35	230946	282-6-2003i
	RP 10-RP 12	2	622362	282-6-2003i
	Rosalind Park Gas Plant	PT35	230946	282-6-2003i

Area	Well Numbers	Property Lot Number	Deposited Plan No.	DA No.
	Gas gathering system	2 & 3 PT35 58	622362 230946 632328	282-6-2003i (Mod 26 August 2004)
Sugarloaf	SL 01*, SL02, SL 03	2	842735	75-4-2005
	SL 04*, SL 06*, SL 07*	3	1007066	75-4-2005
	SL 05*	2	842735	75-4-2005
	SL 08* & SL 09	2	842735	75-4-2005 (Mod 4 July 2007)
Wandinong	WG 01 – WG06	1242	1121129	282-6-2003i (Mod 26 August 2004)
	Gas gathering system	1242	1121129	282-6-2003i (Mod 26 August 2004)
Wollondilly Shire Council – EMAI and Loganbrae	Gas gathering system	Road Reserve		282-6-2003i (Mod 26 August 2004)
El Bethel*	EB 5	21	581462	DA 171-7-2005
	EB 1	201	590247	DA 171-7-2005
	EB 2, EB 3, EB 4, EB 6, EB 9	202	590247	DA 171-7-2005
	EB 7, EB 8, EB 10	203	590247	DA 171-7-2005
Spring Farm	SF01 – 03 (SF17 site), SF04A*	1	1241595	PA 06_0291
	SF05, SF07 – 09 (SF 20 site), SF10*,	1	1007608	PA 06_0291
	Gas gathering system & access roads	13 1 4	1081753 1007608 1007608	PA 06_0291



Area	Well Numbers	Property Lot Number	Deposited Plan No.	DA No.
		2 35 - 38	1076817 1098588	
Menangle Park	MP01 - 03, 09, 10 (MP03 site)	7	253700	PA 06_0291
	MP06*	2 X	790254 378264	PA 06_0291
	MP11	2	737485	PA 06_0291
	MP19*, MP22	11	1234643	PA 06_0291
	MP21*, MP12 & MP23 (MP23 site)	1	598067	PA 06_0291
	MP04*	31	1100981	PA 06_0291
	MP05, MP05A, MP07 & MP08	1	790254	PA 06_0291
	MP33*	1	249393	PA 06_0291
	MP24*	2	236059	PA 06_0291
Menangle Park	Gas gathering system and access roads	1001-1002 7 2 X D 2 8 1 8 31 26 27 1 9 Book 70 Book 80	1234642 253700 790254 378264 19853 737485 249530 598067 253700 1100981 249530 249530 790254 253700 No.447 No. 475	PA 06_0291 (Mod 3 20 Apr 2011)

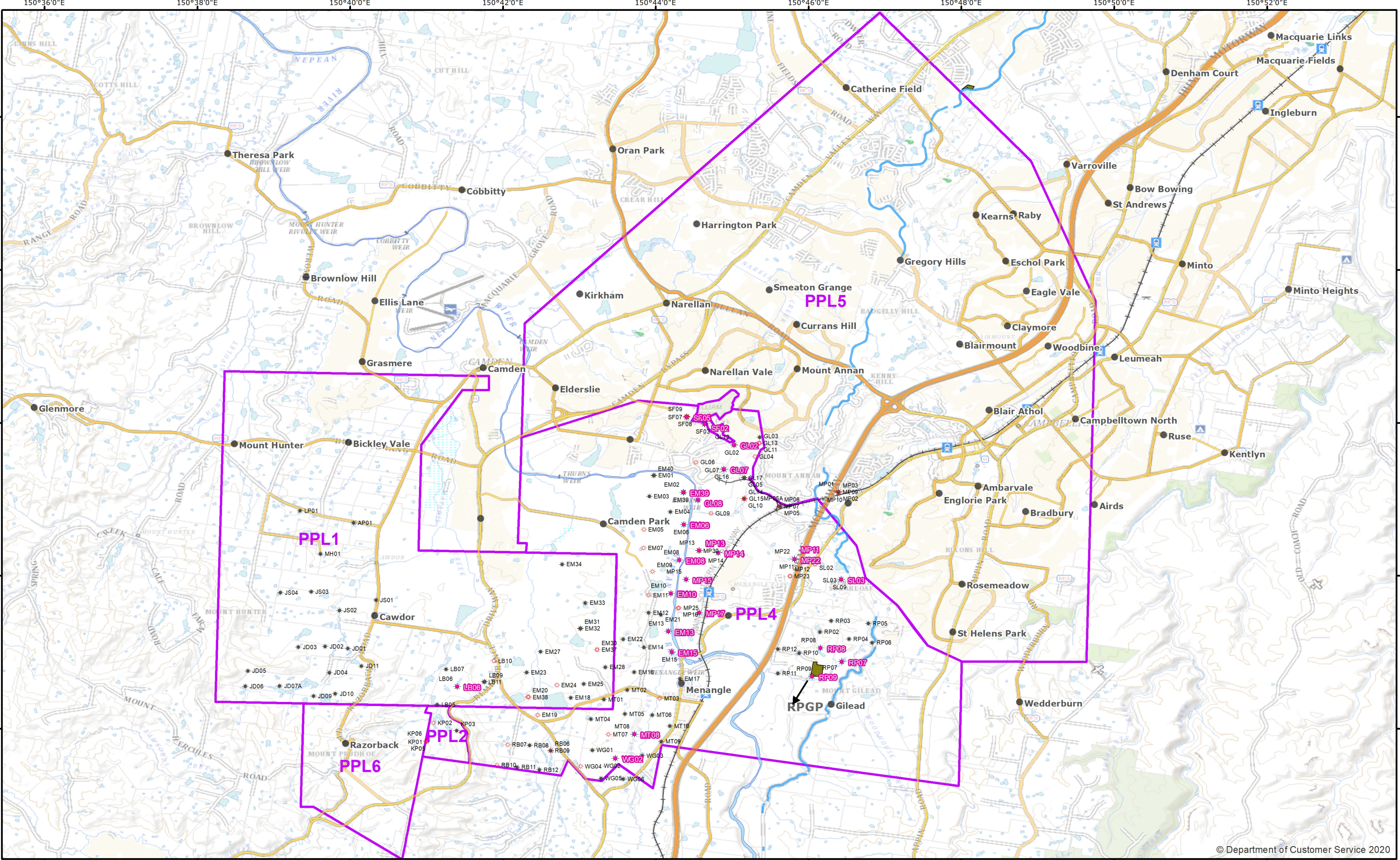


Area	Well Numbers	Property Lot Number	Deposited Plan No.	DA No.
		2	236059	
		3	236059	
		1	249393	
		Menangle Road reserve	Between rail overpass and the Nepean River Bridge	
		63	1104486	
		2	842735	
		1001	734435	
		1002	734436	


*Wells approved but not drilled.



Appendix C. Camden Infrastructure Map for FY2022

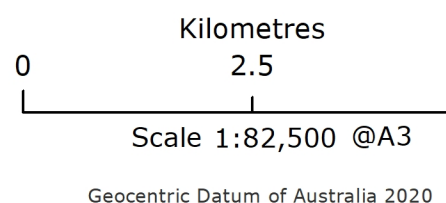


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 Date: 28/09/2022
 Ref: 2837R10

Camden Gas Project PPL's & AGL Well Heads (FY 21 - 22)



Legend

- 5 * Producing
- * Shut-in/ Suspended
- * Plug and Abandon
- * AGL Well Head decommissioned in 2021-22
- Rosalind Park Gas Plant
- Towns
- Railway Stations
- Highways
- Railways
- Canal
- Waterbody
- Camden PPL

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Sources: AGL Energy Limited, Omnalink PSMA Data, LPI Imagery



Appendix D. Status of Well Operations FY2022

Changes from the previous reporting period are shaded in grey.

Status of Well Operations

Well Name	Date Drilling Completed	Status of Operation June 2022
AP01	2000	Decommissioned
EB01-10	Incomplete	Approved – Not Drilled (DA now expired)
EM01	Incomplete	Decommissioned
EM05, 07, 09, 11, 19 20	2005	Operational
EM06, 08, 10, 13, 15	2005	Decommissioned
EM02, 03, 04, 12, 14, 16, 17, 18	2005	Decommissioned
EM21, 22	2002	Decommissioned
EM23, 25, 27, 28, 31, 32, 33, 34	2007	Decommissioned
EM24, 30, 37, 38	2007	Operational
EM26, 29, 35, 36	Incomplete	Approved – Not Drilled
EM39	2008	Decommissioned
EM40	2006	Decommissioned
GL01	Incomplete	Approved – Not Drilled.
GL04, 06, 09	2003	Operational
GL02	2003	Decommissioning in progress
GL07, 08	2003	Decommissioned
GL03, 05, 10	2003	Decommissioned
GL11	2005	Operational
GL12, 13, 14, 15	2006	Operational
GL16	2006	Decommissioned
GL17	2008	Decommissioned
JD01, 02, 03, 04, 05, 06, 07A, 09, 10, 11	1999	Decommissioned
JD08	Incomplete	Approved under PEL 2 – Not Drilled
JS01, 03 and 04	1999	Decommissioned
JS02	2000	Decommissioned
KP01 and 02	2002	Operational
KP03	2002	Decommissioned
KP05	2008	Operational
KP06	2011	Operational
LB01, 02, 03, 04 and 08	Incomplete	Approved – Not Drilled
LB10	2001	Operational
LB06	2001	Decommissioned
LB05 and 07	2001	Decommissioned



Well Name	Date Drilling Completed	Status of Operation June 2022
LB09 and 11	2007	Decommissioned
LP01	Incomplete	Decommissioned
MH01	Incomplete	Decommissioned
MP05, 08	2009	Decommissioned
MP07	2009	Operational
MP13, 14, 15, and 17	2003	Decommissioned
MP16	2003	Operational
MP30	2008	Operational
MP04, 06, 19, 21, 24, 33	Incomplete	Approved – Not Drilled
MP01, 12, 23	2010	Operational
MP05A	2010	Decommissioned
MP02, 03, 09	2011	Operational
MP11, 22	2011	Decommissioning in progress
MP10	2011	Decommissioned
MP25	2012	Operational
MT01, 02, 04, 05, 06, 09, 10	2004	Decommissioned
MT03, 07	2004	Operational
MT08	2004	Decommissioned
Ray Beddoe Treatment Plant	2001	Decommissioned and rehabilitated (2008)
RB03, 04 and 05	Incomplete	Approved – Not Drilled
RB07, 09, 10	2007	Operational
RB06, 08, 11, 12	2007	Decommissioned
Rosalind Park Gas Plant	2004	Operating
RP01	Incomplete	Approved – Not Drilled
RP02, 03, 04, 05, 06, 10, 11, 12	2003	Decommissioned
RP07, 08, 09	2003	Decommissioned
SF 01, 03	2009	Operational
SF02	2009	Decommissioned
SF05	2010	Decommissioned
SF07, 08, 09	2010	Operational
SF04A, 10	Incomplete	Approved – Not Drilled
SL01, SL04, SL05, SL06, SL07, SL08	Incomplete	Approved – Not Drilled
SL02 and SL03	2006	Operational
SL03	2006	Decommissioned
SL09	2008	Decommissioned
WG04	2003	Operational
WG02	2003	Decommissioned



Well Name	Date Drilling Completed	Status of Operation June 2022
WG01, 03, 05	2003	Decommissioned
WG06	Incomplete	Decommissioned

Note: Operational wells include all wells that are producing, shut-in and suspended.



Appendix E. Well Site Inspections Against Site Specific Rehabilitation Completion Criteria



Well Name	Inspection Date	Status Against SSRC	Further Action Required
EM08	06/06/2022	Rehabilitation in progress	Further works required
EM10	17/03/2022	Rehabilitation in progress	Continue to monitor
	06/06/2022	Rehabilitation in progress	Continue to monitor
EM13	17/03/2022	Rehabilitation in progress	Continue to monitor
	06/06/2022	Rehabilitation in progress	Continue to monitor
EM15	06/06/2022	Rehabilitation in progress	Further works required
EM18	September 2021	Rehabilitation in progress	No further action required
EM25	Sept 2021	Rehabilitation in progress	No further action required
EM27	16/03/2022	Rehabilitation in progress	No further action required
GL07/16	November 2021	Rehabilitation in progress	Further works required
GL08	30/11/2021	Rehabilitation in progress	Continue to monitor
	16/03/2022	Rehabilitation in progress	No further action required
LB06	30/11/2021	Rehabilitation in progress	Continue to monitor
	16/03/2022	Rehabilitation in progress	No further action required
MP14	17/03/2022	Rehabilitation in progress	Continue to monitor
MP15	30/11/2021	Rehabilitation in progress	Continue to monitor
	11/02/2022	Rehabilitation in progress	Continue to monitor
	17/03/2022	Rehabilitation in progress	Continue to monitor
	06/06/2022	Rehabilitation in progress	Continue to monitor
MP17	16/03/2022	Rehabilitation in progress	Continue to monitor
	May 2022	Rehabilitation in progress	No further action required
MT06	30/11/2021	Rehabilitation in progress	Continue to monitor
	17/03/2022	Rehabilitation in progress	No further action required
MT08	30/11/2021	Rehabilitation in progress	Continue to monitor
	17/03/2022	Rehabilitation in progress	No further action required
RP04	17/03/2022	Rehabilitation in progress	No further action required
RP05	17/03/2022	Rehabilitation in progress	No further action required
RP07	06/06/2022	Rehabilitation in progress	Continue to monitor
RP08	06/06/2022	Rehabilitation in progress	Continue to monitor
RP09	06/06/2022	Rehabilitation in progress	No further action required
SL03/09	30/11/2021	Rehabilitation in progress	Continue to monitor
	17/03/2022	Rehabilitation in progress	No further action required
WG01	September 2021	Rehabilitation in progress	No further action required
WG02	30/11/2021	Rehabilitation in progress	Continue to monitor
	17/03/2022	Rehabilitation in progress	No further action required
WG03	Sept 2021	Rehabilitation in progress	No further action required
WG05	Sept 2021	Rehabilitation in progress	No further action required



Appendix F. Air Quality Monitoring Results Reported in 2021 Annual Return

EPA Monitoring Point 1							
Pollutant	Unit of measure	No. of Samples Required by license	No. of Samples Collected and Analysed	Lowest Sample value	Mean of Sample	Highest Sample	License Limit
Carbon dioxide	%	4	3	4.2	4.5	4.7	N/A
Dry gas density	Kg/m ³	4	3	1.31	1.31	1.31	N/A
Moisture	%	4 & CEMS	3 & CEMS	5.7	6.3	8.4	N/A
Molecular weight of stack gases	g/g-mole	4	3	29.3	29.4	29.4	N/A
Nitrogen Oxides	mg/m ³	4 & CEMS	3 & CEMS	260	315	460	461
Oxygen (O ₂)	%	4 & CEMS	3 & CEMS	10.9	12.1	13.4	N/A
Sulfuric acid mist and sulphur trioxide (as SO ₃)	mg/m ³	4	3	0.078	0.11	0.14	5.0
Sulphur dioxide	mg/m ³	4	3	<6	<6	<6	7
Temperature	Degrees Celsius	4 & CEMS	3 & CEMS	301	309	337	N/A
Velocity	m/s	4	3	21	23	25	N/A
Volumetric flowrate	m ³ /s	4 & CEMS	3 & CEMS	2.5	3.0	3.1	N/A

EPA Monitoring Point 2							
Pollutant	Unit of measure	No. of Samples Required by license	No. of Samples Collected and Analysed	Lowest Sample value	Mean of Sample	Highest Sample	License Limit
Carbon dioxide	%	4	3	10.6	10.7	10.9	N/A
Dry gas density	Kg/m ³	4	3	1.31	1.32	1.33	N/A
Moisture	%	4	3	15	17	20	N/A
Molecular weight of stack gases	g/g-mole	4	3	29.9	29.9	29.9	N/A
Nitrogen Oxides	mg/m ³	4	3	<3	77	150	461
Oxygen (O ₂)	%	4	3	0.5	0.8	1	N/A
Sulfuric acid mist and sulphur trioxide (as SO ₃)	mg/m ³	4	3	0.077	0.14	0.26	5.0
Sulphur dioxide	mg/m ³	4	3	<6	<6	<6	7
Temperature	Degrees Celsius	4	3	364	392	429	N/A
Velocity	m/s	4	3	17	19	21	N/A
Volumetric flowrate	m ³ /s	4	3	0.68	0.74	0.83	N/A



EPA Monitoring Point 3							
Pollutant	Unit of measure	No. of Samples Required by license	No. of Samples Collected and Analysed	Lowest Sample value	Mean of Sample	Highest Sample	License Limit
Carbon dioxide	%	4	4	9.8	11.1	12.3	N/A
Dry gas density	Kg/m ³	4	4	1.33	1.34	1.34	N/A
Moisture	%	4	4	16	18	19	N/A
Molecular weight of stack gases	g/g-mole	4	4	29.7	29.8	30.1	N/A
Nitrogen Oxides	mg/m ³	4	4	9.9	65	120	461
Oxygen (O ₂)	%	4	4	0.7	0.9	1.2	N/A
Sulfuric acid mist and sulphur trioxide (as SO ₃)	mg/m ³	4	4	<0.06	0.15	0.38	5.0
Sulphur dioxide	mg/m ³	4	4	<6	<6	<6	7
Temperature	Degrees Celsius	4	4	345	382	410	N/A
Velocity	m/s	4	4	16	18	19	N/A
Volumetric flowrate	m ³ /s	4	4	0.64	0.71	0.76	N/A

EPA Monitoring Point 4							
Pollutant	Unit of measure	No. of Samples Required by license	No. of Samples Collected and Analysed	Lowest Sample value	Mean of Sample	Highest Sample	License Limit
Carbon dioxide	%	4	4	3.8	4.1	4.3	N/A
Dry gas density	Kg/m ³	4	4	1.31	1.31	1.31	N/A
Moisture	%	4	4	6.2	7.9	8.6	N/A
Molecular weight of stack gases	g/g-mole	4	4	29.3	29.4	29.4	N/A
Nitrogen Oxides	mg/m ³	4	4	81	86	91	110
Oxygen (O ₂)	%	4	4	13.8	14.0	14.0	N/A
Sulfuric acid mist and sulphur trioxide (as SO ₃)	mg/m ³	4	4	0.033	0.055	0.081	3.5
Sulphur dioxide	mg/m ³	4	4	<6	<6	<6	35
Temperature	Degrees Celsius	4	4	240	263	273	N/A
Velocity	m/s	4	4	3.1	4.3	6.6	N/A
Volumetric flowrate	m ³ /s	4	4	0.077	0.11	0.16	N/A

EPA Monitoring Point 5							
Pollutant	Unit of measure	No. of Samples Required by license	No. of Samples Collected and Analysed	Lowest Sample value	Mean of Sample	Highest Sample	License Limit
Carbon dioxide	%	4	4	14.6	16.6	18.2	N/A
Dry gas density	Kg/m ³	4	4	1.36	1.38	1.39	N/A
Moisture	%	4	4	32	37	45	N/A
Molecular weight of stack gases	g/g-mole	4	4	30.5	30.8	31	N/A
Nitrogen Oxides	mg/m ³	4	4	<3	<3	<3	13
Oxygen (O ₂)	%	4	4	<0.1	0.3	0.5	N/A
Sulfuric acid mist and sulphur trioxide (as SO ₃)	mg/m ³	4	4	<0.002	0.18	0.45	35
Sulphur dioxide	mg/m ³	4	4	<6	<6	<6	1042
Temperature	Degrees Celsius	4	4	73	77	80	N/A
Velocity	m/s	4	4	<2	2.5	3.7	N/A
Volumetric flowrate	m ³ /s	4	4	<0.007	0.009	0.014	N/A



EPA Monitoring Point 6						
Pollutant	Unit of measure	No. of Samples Required by license	No. of Samples Collected and Analysed	Lowest Sample value	Mean of Sample	Highest Sample
Carbon dioxide	%	4	4	<0.4	<0.4	<0.4
Dry gas density	Kg/m ³	4	4	1.29	1.29	1.29
Moisture	%	4	4	1.4	1.7	1.8
Molecular weight of stack gases	g/g-mole	4	4	29.0	29.0	29.0
Odour	Odour units	4	4	<30	153	450
Oxygen (O₂)	%	4	4	20.9	20.9	20.9
Temperature	Degrees Celsius	4	4	23	28	32
Velocity	m/s	4	4	5.5	6.3	6.8
Volumetric flowrate	m ³ /s	4	4	0.14	0.16	0.17



Appendix G. Assessable Pollutant Results – RPGP

Assessable Pollutant	Assessable Load (Kg)	Load Limit (Kg)
Benzene	89.119	47
Benzo(a) pyrene	0.006	0.27
Fine Particulates	1.967	460
Hydrogen Sulphide	49.42	1.60
Nitrogen Oxides	18,905.204	103,000.00
Nitrogen Oxides – Summer	4,833.275	No limit stipulated
Sulphur Oxides	0.014	3000.00
Volatile Organic Compounds	265.433	33,000.00
Volatile Organic Compounds-Summer	66.358	No limit stipulated



Appendix H. Rosalind Park Gas Plant Quarterly and Annual Noise Monitoring Results

Noise Monitoring Undertaken	Summary of Results
Attended noise monitoring 28 September 2021	Measured noise levels complied with the noise criteria for the sensitive receivers during the day, evening, and night-time periods.
Attended noise monitoring 17, 18, 21 December 2021	Measured noise levels complied with the noise criteria for the sensitive receivers during the day, evening, and night-time periods.
Attended noise monitoring 15 April 2022	Measured noise levels complied with the noise criteria for the sensitive receivers during the day, evening, and night-time period.
Attended noise monitoring 20 June 2022	Measured noise levels complied with the noise criteria for the sensitive receivers during the day, evening, and night-time period.
Annual Noise Report Summary (From 2020-21 Annual Noise Compliance Monitoring Report)	All monitoring showed the RPGP to be compliant with the relevant operational noise limits set by the EPL and Development Consent No. 282-6-2003-I at both R1 and R7 receiver locations for day, evening, and night under typical operating conditions.



Appendix I. Flare Event Monitoring

The RGP flare log is provided in this Appendix from July 2021 to June 2022.

Date	Time	Duration (minutes)	Time Period (Day/Night)	No. Compressor online	Cause of Flare Occurrence
23/03/2022	04:35-05:56	81	Night	None	Spill valve/Plant Shutdown
13/04/2022	11:47-11:55	8	Day	None	Spill valve/Plant Shutdown
13/04/2022	18:31-18:55	24	Night	None	Spill valve/Plant Shutdown
18/05/2022	03:37-04:10	33	Night	None	Spill valve/Plant Shutdown

Flare Event	Total Frequency (once per)*	2021-22 Average Frequency (once per)	Night-time Frequency (once per)*	2021-22 Average Night-time Frequency (once per)	2021-22 Average Gas Flow Rate per flare event (mmscf/d)	2021-22 Average Estimated Lux Level (Lx) of flare event if viewed from Homestead
Spill Valve	5.8 days	91.25 days	11.4 days	121.66 days	0.4	0.03
Compressor Blowdown (ESD)	21 days	-	42 days	-	-	-
Compressor Blowdown (Shutdown & Unload)	8 days	-	16 days	-	-	-
PSV Discharge	60 to 120 days	-	120 to 240 days	-	-	-
PSV Suction	60 to 120 days	-	120 to 240 days	-	-	-

* = as estimated in URS, 2003



Flare Event	Total Frequency ³ (once per)	Night Time Frequency ⁵ (once per)	Total Duration (each event)	Gas Flow Rate mmscf/d ¹	Estimated Lux Level (Lx) of flare if viewed from Homestead ⁶
1 Spill Valve	5.8 days	11.4 days	4.2 hours	0.4	0.03
2 Compr. Blowdown (ESD)	21 days	42 days	15 minutes	Initially 7.35 reducing to 0.5 at 15 minutes	0.56
3 Compr. Blowdown (Shut down & Unload)	8 days	16 days	8 minutes	Initially 1.35 reducing to 0.57 at 8 minutes	0.11
4 PSV ² Discharge ⁴	60 to 120 days	120 to 240 days	0.5 minutes	20	1.51
5 PSV ² Suction ⁴	60 to 120 days	120 to 240 days	0.5 minutes	30	2.27

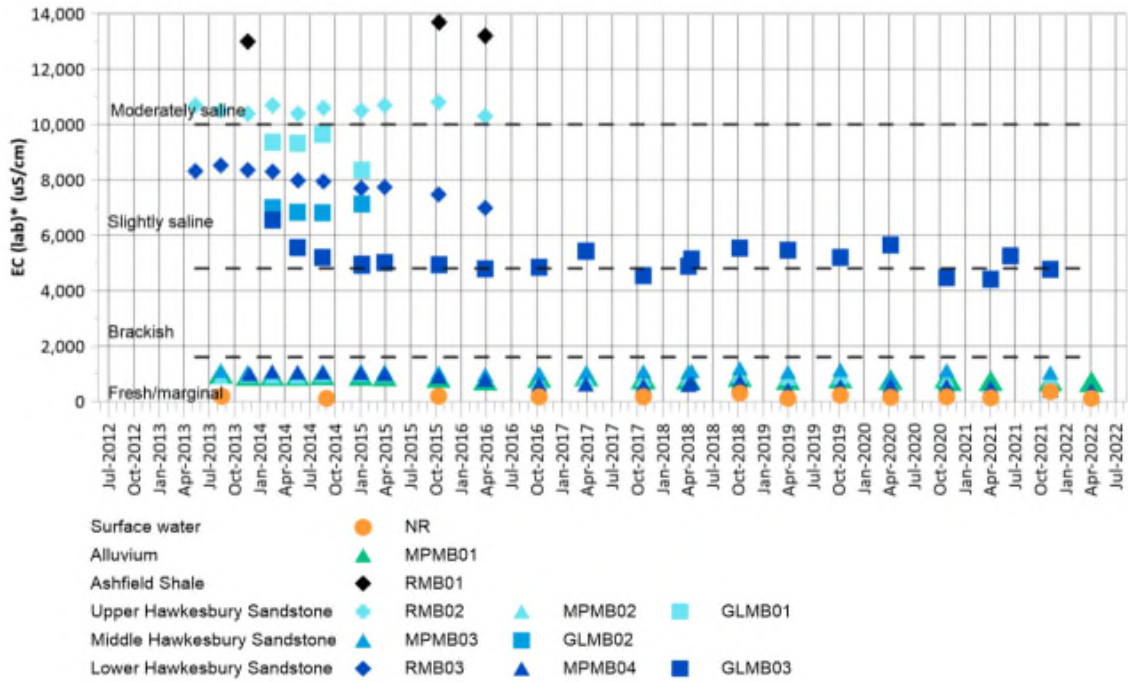
Notes:

1. mmscf/day is 1 million standard cubic feet per day.
2. PSV = Pressure Safety Valve.
3. The frequency of each event accounts for all three compressors.
4. This is a highly conservative estimate and in practice such events are rare.
5. This is based on flare events occurring 50% during day light hours and 50% during night time hours (i.e. sunrise at 6 am, sunset at 6pm).
6. These estimated Lux levels (from Bassett) are conservative as they do not take account of the screen effects of the earth bunding, the evaporation pit or the trees along Menangle Creek.

Source: URS (2003) "Sydney Gas Proposal Stage 2 Coal Seam Methane Project Visual Assessment of Lighting and Flare" prepared by URS for Sydney Gas dated 6 November 2003."

Appendix J. Groundwater Monitoring Results

Electrical conductivity results from dedicated monitoring bores and Nepean River





Appendix K. 2018-2020 Independent Audit Report – Non-Conformances
Corrective Actions Register

Camden Gas Project 2018 - 2020 Independent Environmental Audit Corrective Actions Register

30 September 2022

Non-compliance ID*	Reference	Condition	Non-Compliance	Risk	Auditor's Recommended Action	Proponent's Proposed Action/Action taken/Response	Proposed Action Due Date
1820-NC-01	DA 15-1-2002-I (Condition 18)	The Applicant shall review and update the EMP regularly, or as directed by the Director-General. Note: Submission of a copy of the approved Plan to other Government agencies does not mean that their approval is required. The Plan is for the information of the agency.	<p>The EMP specifies that the document will be reviewed annually at minimum. This requirement is applicable to both the EMP and the Sub Plan appendices.</p> <p>The following matters of non-compliance were identified:</p> <ul style="list-style-type: none"> The EMP Appendices (Sub Plans), were not reviewed annually. Most plans were reviewed once during the audit period (2019), except the Groundwater Management Plan (EMP, Appendix O) and Aboriginal Cultural Heritage Management Sub Plan (EMP, Appendix G) which were not reviewed. The EMP was submitted to DPIE following the March 2019 review (29 March 2019). However, there was no evidence to demonstrate that the EMP was submitted to DPIE following the March 2020 review. <p>It is noted that the amendments of the EMP and Sub Plans during the audit period were administrative in nature and the documents are available to agencies and the public via the CGP website.</p>	Low	It is recommended that the EMP (inclusive of Sub Plans) is reviewed annually with the outcomes of the review recorded in the document control section of the relevant document.	Review EMP and sub plans and provide updated plans to Dept of Planning & Environment.	Completed
	DA 282-6-2003 (Condition 4)	The Applicant shall review and update the OEMP annually, or as directed by the Secretary. Note: Submission of a copy of the approved Plan to other Government agencies does not mean that their approval is required. The Plan is for the information of the agency.					
	DA 183-8-2004 (Condition 23)	The Applicant shall review and update the OEMP annually, or as directed by the Director-General					
1820-NC-02	DA 282-6-2003 (Condition 34(j))	The Applicant shall prepare and implement a Construction and Well Maintenance Noise Management Protocol to be used for the duration of the project. The Protocol must include, but is not necessarily limited to: <i>[Refer to DA 282-6-2003 for the complete condition.]</i> (j) monitoring methods and program.	In accordance with the Noise Management Sub Plan (July 2019), workover maintenance and decommissioning are defined as construction activities. During the audit period, workover maintenance was conducted of well sites EM39 and GL17 and as such, the noise monitoring requirements were triggered.	Low	It is recommended that the Pre-Mobilisation Hazard Identification Form (DCS_GN_FM_HSE_003) be reviewed and revised to include a requirement to identify noise monitoring requirements (as detailed in the Noise Management Sub Plan) prior to commencement of works.	Review the noise management sub-plan to ensure that monitoring is triggered when sensitive noise receptors may be affected. Review the process of work undertaken prior to a well work over or rehabilitation, and ensure the wells with specific noise limits are known to staff.	Completed
	DA 282-6-2003 (Condition 34(c))	Noise from the drilling and construction of EM39 and GL17 shall not exceed the sound pressure level (noise) limits in the table below:	The auditor determined that noise monitoring was not undertaken during the workover maintenance of well sites EM39 and GL17.				

Receiver Location	Weekday (7.00am-6.00pm)	Saturday (1.00pm-6.00pm)	Evening (6.00pm-10.00pm)	Night (10.00pm-7.00am)
EM39 - R3	40	40	40	38
GL17 - R3	40	40	40	38

Non-compliance ID*	Reference	Condition	Non-Compliance	Risk	Auditor's Recommended Action	Proponent's Proposed Action/Action taken/Response	Proposed Action Due Date									
	DA 282-6-2003 (Condition 38(d))	The Applicant shall prepare and implement a Noise Management Plan for the whole site. The Plan shall be submitted to the Secretary for approval within six months of the date of this consent. The Plan shall include, but not necessarily be limited to: [Refer to DA 282-6-2003 for the complete condition.] (d) describe how the effectiveness of these actions and measures would be monitored during the life of the development, clearly indicating who would conduct the monitoring, how often this monitoring would be conducted, how the results of this monitoring would be recorded and reported to the Secretary, and if any non-compliance is detected; and														
1820-NC-03	DA 183-8-2004 (Condition 13B)	Noise from the drilling and construction of MP30 shall not exceed the sound pressure level (noise) limits in the table below: <table border="1" data-bbox="460 892 964 976"> <thead> <tr> <th>Location (nearest residential dwelling)</th> <th>Day LAeq(15min)</th> <th>Evening LAeq(15min)</th> <th>Night LAeq(15min)</th> <th>Saturday (1pm-6pm) Sunday (7am-6pm) LAeq(15min)</th> </tr> </thead> <tbody> <tr> <td>Nearest receptor</td> <td>57</td> <td>42</td> <td>40</td> <td>42</td> </tr> </tbody> </table>	Location (nearest residential dwelling)	Day LAeq(15min)	Evening LAeq(15min)	Night LAeq(15min)	Saturday (1pm-6pm) Sunday (7am-6pm) LAeq(15min)	Nearest receptor	57	42	40	42	In accordance with the Noise Management Sub Plan (July 2019), workover maintenance and decommissioning are defined as construction activities. During the audit period, workover maintenance was conducted of well site MP30 and as such, the noise monitoring requirements were triggered. The auditor determined that noise monitoring was not undertaken during the workover maintenance of well site MP30.	Low	Refer to 1820-NC-02 for recommended action.	
Location (nearest residential dwelling)	Day LAeq(15min)	Evening LAeq(15min)	Night LAeq(15min)	Saturday (1pm-6pm) Sunday (7am-6pm) LAeq(15min)												
Nearest receptor	57	42	40	42												
1820-NC-04	DA 75-4-2005 (Condition 18A)	Noise from the drilling and construction of SL08 and SL09 shall not exceed the sound pressure level (noise) limits in the table below: <table border="1" data-bbox="460 1186 964 1281"> <thead> <tr> <th>Receiver Location</th> <th>Weekday (7.00am-8.00pm) Saturday (7.00am-1.00pm)</th> <th>Saturday (1.00pm-8.00pm) Sunday (7.00am-8.00pm)</th> <th>Evening (8.00pm-10.00pm)</th> <th>Night (10.00pm-7.00am)</th> </tr> </thead> <tbody> <tr> <td>Nearest Receiver</td> <td>54</td> <td>44</td> <td>47</td> <td>41</td> </tr> </tbody> </table>	Receiver Location	Weekday (7.00am-8.00pm) Saturday (7.00am-1.00pm)	Saturday (1.00pm-8.00pm) Sunday (7.00am-8.00pm)	Evening (8.00pm-10.00pm)	Night (10.00pm-7.00am)	Nearest Receiver	54	44	47	41	In accordance with the Noise Management Sub Plan (July 2019), workover maintenance and decommissioning are defined as construction activities. During the audit period, decommissioning was conducted of well site SL09 and as such, the noise monitoring requirements were triggered. The auditor determined that noise monitoring was not undertaken during the decommissioning of well site SL09.	Low	Refer to 1820-NC-02 for recommended action.	
Receiver Location	Weekday (7.00am-8.00pm) Saturday (7.00am-1.00pm)	Saturday (1.00pm-8.00pm) Sunday (7.00am-8.00pm)	Evening (8.00pm-10.00pm)	Night (10.00pm-7.00am)												
Nearest Receiver	54	44	47	41												
	DA 75-4-2005 (Condition 19(h))	The Applicant shall prepare and implement a Construction Noise Management Protocol for construction of the development. The Protocol shall be submitted for the approval of the OEHL and the Director-General at least one week prior to commencement of construction. The Protocol must include but is not limited to: (h) Monitoring methods and program.														
1820-NC-05	PA 06_0137 (Condition 3.2)	The Proponent shall use its best endeavours to undertake construction activities to comply with the construction noise goal specified in Table 2. <table border="1" data-bbox="460 1701 964 1764"> <thead> <tr> <th>Location</th> <th>Day</th> </tr> </thead> <tbody> <tr> <td>Any residential receiver</td> <td>54</td> </tr> </tbody> </table> Note: See notes to condition 4.	Location	Day	Any residential receiver	54	In accordance with the Noise Management Sub Plan (July 2019), workover maintenance and decommissioning are defined as construction activities. During the audit period, workover maintenance was conducted of well site RB06 and decommissioning was undertaken of well sites RB11 and RB12. As such, the noise monitoring requirements were triggered.	Low	Refer to 1820-NC-02 for recommended action.							
Location	Day															
Any residential receiver	54															

Non-compliance ID*	Reference	Condition	Non-Compliance	Risk	Auditor's Recommended Action	Proponent's Proposed Action/Action taken/Response	Proposed Action Due Date																																																											
	PA 06_0137 (Condition 3.6)	The Proponent shall prepare and implement a Noise Monitoring Program for the construction and operation of the project to the satisfaction of the Director-General. The Program shall be submitted to the Director-General prior to construction commencing and shall include a noise monitoring protocol for evaluating compliance with the construction noise goals and the operational noise impact assessment criteria in this approval	The auditor determined that noise monitoring was not undertaken during the workover maintenance of well site RB06 or the decommissioning of well sites RB11 and RB12.																																																															
1820-NC-06	PA 06_0138 (Condition 3.2)	The Proponent shall use its best endeavours to undertake construction activities to comply with the construction noise goals specified in Table 2. Table 2: Construction Noise Goals dB(A) LA10(15 min) <table border="1"> <thead> <tr> <th>Location</th> <th>Day</th> <th>Evening</th> <th>Night</th> </tr> </thead> <tbody> <tr> <td>Any residential receiver</td> <td>54</td> <td>39</td> <td>35</td> </tr> </tbody> </table>	Location	Day	Evening	Night	Any residential receiver	54	39	35	In accordance with the Noise Management Sub Plan (July 2019), workover maintenance and decommissioning are defined as construction activities. During the audit period, workover maintenance was conducted of well site EM34 and decommissioning was undertaken of well sites EM28, EM31, EM32, EM33 and EM34. As such, the noise monitoring requirements were triggered. The auditor determined that noise monitoring was not undertaken during the workover maintenance of well site EM34 or the decommissioning of well sites EM28, EM31, EM32, EM33 and EM34.	Low	Refer to 1820-NC-02 for recommended action.																																																					
	Location	Day	Evening	Night																																																														
Any residential receiver	54	39	35																																																															
PA 06_0138 (Condition 3.6)	The Proponent shall prepare and implement a Noise Monitoring Program for the construction and operation of the project to the satisfaction of the Director-General. The Program shall be submitted to the Director-General prior to construction commencing and shall include a noise monitoring protocol for evaluating compliance with the construction noise goals and the operational noise impact assessment criteria in this approval.	Note: See notes to condition 4.																																																																
1820-NC-07	PA 06_0291 (Condition 3.3)	The Proponent shall use its best endeavours to undertake construction activities to comply with the construction noise goals specified in Table 2: Table 2: Construction Noise Goals dB(A) Laeq(15min). <table border="1"> <thead> <tr> <th>Location</th> <th>Day</th> <th>Evening</th> <th>Night</th> <th>Saturday 1pm-6pm</th> <th>Sunday 7am-6pm</th> </tr> </thead> <tbody> <tr> <td>(nearest residential dwelling)</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MP02, MP03, MP04</td> <td>49</td> <td>47</td> <td>41</td> <td>47</td> <td></td> </tr> <tr> <td>MP05, MP06</td> <td>40</td> <td>40</td> <td>40</td> <td>40</td> <td></td> </tr> <tr> <td>MP11, MP24, MP33</td> <td>42</td> <td>42</td> <td>40</td> <td>42</td> <td></td> </tr> <tr> <td>MP19, R3</td> <td>40</td> <td>40</td> <td>40</td> <td>40</td> <td></td> </tr> <tr> <td>MP19, R25</td> <td>49</td> <td>47</td> <td>41</td> <td>47</td> <td></td> </tr> <tr> <td>MP21, MP22, MP23</td> <td>49</td> <td>47</td> <td>41</td> <td>47</td> <td></td> </tr> <tr> <td>SF04A</td> <td>43</td> <td>42</td> <td>37</td> <td>42</td> <td></td> </tr> <tr> <td>SF10, SF17, SF20</td> <td>43</td> <td>41</td> <td>36</td> <td>43</td> <td></td> </tr> </tbody> </table>	Location	Day	Evening	Night	Saturday 1pm-6pm	Sunday 7am-6pm	(nearest residential dwelling)						MP02, MP03, MP04	49	47	41	47		MP05, MP06	40	40	40	40		MP11, MP24, MP33	42	42	40	42		MP19, R3	40	40	40	40		MP19, R25	49	47	41	47		MP21, MP22, MP23	49	47	41	47		SF04A	43	42	37	42		SF10, SF17, SF20	43	41	36	43		In accordance with the Noise Management Sub Plan (July 2019), workover maintenance and decommissioning are defined as construction activities. During the audit period, workover maintenance was conducted of well site MP23 and decommissioning was conducted of well site MP05. As such, the noise monitoring requirements were triggered. The auditor determined that noise monitoring was not undertaken during the workover maintenance of well site MP23 or during the decommissioning of well site MP05.	Low	Refer to 1820-NC-02 for recommended action.	
Location	Day	Evening	Night	Saturday 1pm-6pm	Sunday 7am-6pm																																																													
(nearest residential dwelling)																																																																		
MP02, MP03, MP04	49	47	41	47																																																														
MP05, MP06	40	40	40	40																																																														
MP11, MP24, MP33	42	42	40	42																																																														
MP19, R3	40	40	40	40																																																														
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Non-compliance ID*	Reference	Condition	Non-Compliance	Risk	Auditor's Recommended Action	Proponent's Proposed Action/Action taken/Response	Proposed Action Due Date
	PA 06_0291 (Condition 3.7)	The Proponent shall prepare and implement a Noise Monitoring Program for the construction and operation of the project to the satisfaction of the Director-General. The Program shall be submitted to the Director-General prior to construction commencing and shall include a noise monitoring protocol for evaluating compliance with the construction noise goals and the operational noise impact assessment criteria in this approval.					
1820-NC-08	PA 06_0291 (Condition 4.1)	During the project, the Proponent shall:	During the audit period, environmental monitoring requirements were limited to attended noise monitoring during workover maintenance of well sites MP23 and SF05 and decommissioning of well site MP05.	Low	Refer to 1820-NC-02 for recommended action.		
	PA 06_0291 (Condition 4.10 (a))	Make a summary of all environmental monitoring results required under this approval publicly available on the website.	As detailed in the assessment of Conditions 3.2 and 3.7, the auditor determined that noise monitoring was not undertaken as required for MP23 and MP05. The monitoring results are therefore not publicly available on the website.				
	PA 06_0291 (Condition 4.10 (b))	Update these results on a regular basis (at least every 6 months) or as required.					
1820-NC-09	M 2.1	For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:	<p>The auditor sighted the following air monitoring results prepared by Ektimo:</p> <ul style="list-style-type: none"> Annual Emission Testing, Report R006497 (12 November 2018) (includes September 2018 quarterly monitoring) Quarterly Emission Testing, Report R006724 (17 December 2018) Quarterly Emission Testing, Report R007285 (5 April 2019) Quarterly Emission Testing, Report R007600 (15 July 2019) Quarterly Emission Testing, Report R008177 (30 October 2019) Quarterly Emission Testing, Report R008415 (10 January 2020) Quarterly Emission Testing, Report R008823 (26 March 2020) Quarterly Emission Testing, Report R009153 (25 May 2020). <p>There were no errors noted in the above reports and compliance was demonstrated against the sampling method, units of measure and frequency as defined in this condition.</p> <p>As detailed in the Annual Return for the reporting period 22 December 2018 to 21 December 2019, a mechanical failure of Compressor 3 occurred in mid-2019 resulting in an extended shut down for the remainder of the audit period. As such scheduled quarterly monitoring was not undertaken for the nominated period. There are no recommended corrective actions.</p>	Low	There are no recommended corrective actions.	There are no Recommended corrective actions.	
	M2.2	Air Monitoring Requirements [Refer to the Tables in EPL 12006.]					

Non-compliance ID*	Reference	Condition	Non-Compliance	Risk	Auditor's Recommended Action	Proponent's Proposed Action/Action taken/Response	Proposed Action Due Date
	M2.5	For the purposes of Condition M2.2, the selection of sampling positions for quarterly monitoring at points 1, 2, 3, 4 and 6 must be carried out in accordance with test method TM-1 as specified in Approved Methods for the Sampling and Analysis of Air Pollutants in NSW, as in force from time to time.					

*Non-compliance ID as per 'INDEPENDENT ENVIRONMENTAL AUDIT 2018-2020'



Appendix L. Development Approvals Compliance Summary

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 15-1-2002i-	00	This approval (DA 15-1-2002i) is for a period of twenty one (21) years from the date of granting of the production lease. Production Lease for this licence area is PPL1 which was issued on 2 September 2002. Hence, DA 15-1-2002i lapses 21 years from 2 September 2002 which is on 2 September 2023. The conditions below have been updated up to and including MOD 24-3-2007 (dated July 2007).	Compliant	This condition is noted but no action was required during the reporting period
DA 15-1-2002i-	01	The Applicant shall implement all practicable measures to prevent or minimise any harm to the environment that may result from the construction or operation of the development.	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	02	2. The applicant shall carry out the development generally in accordance with the: , (a) DA submitted to the Department on 31 January 2002; , (b) Camden Coalbed Methane Project Petroleum Production Operations – Environmental Impact Statement for the Sydney Gas Company (four volumes), dated December 2001 and prepared by Harvest Scientific Services; , (c) Letter from Sydney Gas Company dated 4 April 2002 to the EPA in relation to community complaints, lot and DP details of the treatment plant, wells and infrastructure, and map showing existing well locations; , (d) Letter from Sydney Gas Company dated 8 April 2002 to the EPA in relation to background noise level monitoring; , (e) Letter from Sydney Gas Company dated 11 April 2002 to the EPA in relation to achievable noise levels, operational flaring noise, and ongoing maintenance issues; , (f) Letter from Sydney Gas Company dated 11 April 2002 to the EPA in relation to nitrogen dioxide impact assessment and odour issues; , (g) Letter from Sydney Gas Company dated 12 April 2002 to the EPA in relation to the 3 additional wells, and maintenance activities; , (h) Letter from Sydney Gas Company dated 16 April 2002 to the EPA in relation to noise monitoring, noise levels, operational flaring noise, construction and maintenance activities, nitrogen dioxide assessment, and odour impact assessment; , (i) Letter from Sydney Gas Company dated 29 May 2002 to Planning NSW in relation to the risk assessments and drawings for the Westbrook Road to Camden Pipeline; , (j) The modification application submitted to the Department on 11 April 2006 and the accompanying document "Camden Gas Project Joint Venture Proposed Multiple Gas Well Modifications" prepared by AGL Gas Production (Camden) Pty Ltd and Sydney Gas (Camden) Operations Pty Ltd, dated April 2006; , (k) Modification Application MOD 24-3-2007 and "Camden Gas Project Joint Venture Gas Well and Gathering Line Modification Project Statement of Environmental Effects", dated March 2007; and , (l) Conditions of this consent. , , If there is any inconsistency between the above documents, the latter document shall prevail over the	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	03	This approval is for a period of twenty one (21) years from the date of granting of the production lease.	Not triggered	Condition not triggered during the reporting period
DA 15-1-2002i-	05	If after five (5) years of the date of this consent any well that is the subject of this consent has not yet been drilled or completed, then the Applicant shall surrender the approval for that well.	Not triggered	Condition not triggered during the reporting period
DA 15-1-2002i-	07	Nothing in this consent permits the drilling and operation of any additional wells (beyond the approved 28 wells) or a new treatment plant. These shall be the subject of another development consent or development consents. . Note: The drilling of new gas wells within the production lease area and the production of gas from them, and a new treatment plant would require development consent under the Environmental Planning and Assessment Act 1979.,	Not triggered	Condition not triggered during the reporting period
DA 15-1-2002i-	08	For the purposes of this Consent, the redrilling and/or additional fracing of a well does not constitute wellhead maintenance.	Not triggered	Condition not triggered during the reporting period
DA 15-1-2002i-	09	The Applicant shall obtain the approval of the Director-General for the redrilling and/or additional fracing of a well.	Not triggered	Condition not triggered during the reporting period
DA 15-1-2002i-	10	The Applicant shall prepare a Redrilling and Refracing Management Plan in consultation with the DPI for redrilling and/or refracing of an existing well. The Plan shall be submitted to the Director-General no later than one month prior to the commencement of the work or within such period as agreed by the Director-General. The Plan shall include, but not necessarily be limited to: (a) a description of all the activities to be undertaken on the well site during the redrilling and/or refracing work;(b) details of how the environmental performance of the work will be monitored and what actions will be taken to address identified adverse environmental impacts;(c) reference to the relevant parts of the Environmental Management Plan required under condition 15 of this consent;(d) compliance with all the relevant environmental performance requirements of this consent; and arrangements for complaints handling procedures during the redrilling/refracing work.The Applicant shall give written notification of the proposed redrilling/refracing work to potentially affected residences and other noise sensitive receivers at least	Not triggered	Condition not triggered during the reporting period
DA 15-1-2002i-	11	Throughout the life of the development, the Applicant shall secure, renew, maintain and comply with all the relevant statutory approvals applying to the development.	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	12	The Applicant shall take all reasonable steps to ensure that all of its employees, contractors and subcontractors are made aware of, and comply with, the conditions of this consent relevant to their respective	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	13	The Applicant must, in the opinion of the EPA, be a fit and proper person to hold a licence under the Protection of the Environment Operations Act, 1997, having regard to the matters in section 83 of that Act.	Compliant	EPL 12003 held by AGL throughout the reporting period
DA 15-1-2002i-	14	The Applicant shall prepare a Plan of Protection (POP) for the approval of the DPI. The POP shall have regard to the conditions of this consent and the licence under the POEO Act. The POP will form the basis for the:(a) ongoing operations and environmental management; and (b) ongoing monitoring of the development. A copy of the POP shall be forwarded to the Department within fourteen days of the DPI's	Compliant	POP is now approved by the Resources Regulator. Latest POP Version 15 was approved by Resources Regulator after the reporting period on 16/09/2022.
DA 15-1-2002i-	15	The Applicant shall prepare and implement an Environmental Management Plan (EMP) to provide an environmental management framework, practices and procedures to be followed during the drilling and operation of the development. The EMP shall be prepared in consultation with the relevant authorities (DECC, DPI, DWE). The EMP shall include, but not necessarily be limited to: , , (a) identification of all statutory and other obligations that the Applicant is required to fulfil in relation to operation of the development, including all consents, licences, approvals and consultations; , (b) a description of the roles and responsibilities for all key personnel involved in the drilling and operation of the development; , (c) the overall environmental policies and principles to be applied to the operation of the development; , (d) standards and performance measures to be applied to the development, and a means by which environmental performance can be periodically reviewed and improved; , (e) management policies to ensure that environmental performance goals are met and to comply with conditions of this consent; and , (f) include the following detailed plans: , • Noise Management Plan; , • Soil and Water Management Plan; , • Water Quality Management Plan; , • Traffic Management Plan; , • Vegetation and Landscape Management	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	18	The Applicant shall review and update the EMP regularly, or as directed by the Director-General. , , Note: Submission of a copy of the approved Plan to other Government agencies does not mean that their approval is required. The Plan is for the information of the agency.	Compliant	EMP reviewed and updated during the reporting period

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 15-1-2002i-	19	the whole site. The Plan shall include, but not necessarily be limited to: , (a) identification of the potential sources of noise during drilling and operation; , (b) the noise criteria for these activities; , (c) details of what actions and measures would be implemented to ensure that these operations would comply with the relevant noise criteria; , (d) describe how the effectiveness of these actions and measures would be monitored during the life of the development, clearly indicating who would conduct the monitoring, how often this monitoring would be conducted, how the results of this monitoring would be recorded and reported to the Director-General, and if any non-compliance is detected; and , (e) describe what procedures would be followed to ensure compliance.	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	20	the applicant shall prepare and implement a soil and water management Plan for the whole site. This plan shall include, but not necessarily be limited to: , (a) the measures to be implemented to minimise the potential for soil erosion and the discharge of sediment and other pollutants to lands and/or waters during drilling activities; , (b) the measures to be implemented to mitigate the impacts of stormwater run-off from and within the site following the completion of drilling activities; , (c) demonstrate that erosion and sedimentation control measures will conform with, or exceed, the relevant requirements and guidelines contained in the Department of Housing's Managing Urban Stormwater: Soils and Construction; , (d) consistency with the stormwater management plan for the catchment, should one exist, or with the EPA's Managing Urban Stormwater: Council Handbook should a stormwater management plan for the catchment not exist; , (e) measures to rehabilitate erosion-affected areas and areas the subject of excavation, including tree, shrub and/or cover crop species and implementation; and , (f) management procedures for all surface and groundwater collection and storage structures on the site, including a	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	21	Plan for the whole site. This plan shall include, but not necessarily be limited to: , (a) provide details of an appropriate soil sampling and monitoring program to ensure that areas used for waste water application do not lead to an unacceptable build-up of salts within the soil profile; , (b) implement a program of regular testing of waste water quality for compounds, nutrients and metals, as outlined in Table 7.8 of the EIS; and , (c) details of the well maintenance procedures to ensure the integrity of the well isolation components to prevent the cross contamination of	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	22	the applicant shall prepare and implement a traffic management Plan for the whole site. This plan shall include, but not necessarily be limited to: , (a) Identification of the potential traffic and transport impacts associated with the development and measures to limit traffic movements in the PAL 1 area; , (b) restrictions on the movement of heavy vehicles during school pick-up/drop-off times; , (c) details of traffic management measures associated with the construction of pipelines within public roads; and , (d) measures to reduce the transportation of plant material and/or dirt off	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	23	the applicant shall prepare and implement a vegetation and landscape Management Plan for the whole site. This plan shall include, but not necessarily be limited to: , (a) measures to protect mature trees as part of the well drilling or gas gathering pipeline construction activities; , (b) details of all landscaping to be undertaken on the site; , (c) ensure that tree and shrub species used for landscaping of the site are indigenous to the locality; and , (d) details of a program to ensure that all landscaped areas are maintained in a tidy, healthy state.	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	24	the whole site. This plan shall include, but not necessarily be limited to: , (a) measures to minimise the production and impact of waste produced at the site during drilling and operation; , (b) implementation of waste reduction, reuse and recycling principles; , (c) details of the reuse and recycling of waste water produced/collected on the site, including collection and handling procedures; , (d) details of appropriate disposal methods in the event that reuse and recycling are not available or are not practicable; and , (e) programs for involving and encouraging employees and contractors to minimise domestic waste production on the site and reuse/recycle where appropriate.	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	25	Management Plan for the whole site. This plan shall include, but not necessarily be limited to: , (a) details of the staging and timing for rehabilitation works; , (b) ongoing management strategies to ensure the success of rehabilitation works; , (c) details of the establishment of vegetation and all landscaping to be undertaken including flora species, location of grassed areas, garden beds and other vegetated areas, and mature height and width measurements of all flora species; and , (d) the measures to remediate sites following the decommissioning of the wells, pipelines and treatment plant.	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	27	The Applicant shall notify the DECC, DPI and the Director-General of any incident with significant off-site impacts on people or the biosphere environment as soon as practicable after the occurrence of the incident. The Applicant shall provide written details of the incident to the Director-General, the DECC, DPI, Wollondilly Council and Camden Council within seven days of the date on which the incident occurred.	Not triggered	Condition not triggered during the reporting period
DA 15-1-2002i-	28	The Applicant shall meet the requirements of the Director-General to address the cause or impact of any incident, as it relates to this consent, reported in accordance with condition 27 of this consent, within such period as the Director-General may agree.	Not triggered	Condition not triggered during the reporting period
DA 15-1-2002i-	29	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; , (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 complaints; , (e) any action(s) taken by the Applicant in relation to the complaint, including any follow-up contact with the complainant; and , (f) if no action was taken by the Applicant in relation to the complaint, the reason(s) why no action was taken. , , The Complaints Register shall be made available for inspection by the DECC or the Director-General upon request. The Applicant shall also make summaries of the register, without details of the complainants, available for public inspection.	Compliant	Complaints register maintained for the Project. No complaints received during the reporting period.
DA 15-1-2002i-	32	submit for approval by the Director-General, a document setting out a comprehensive Safety Management System, covering all operations on site and associated transport activities involving hazardous materials. The document shall clearly specify all safety related procedures, responsibilities and policies, along with details of mechanisms for ensuring adherence to procedures. Records shall be kept on site and shall be available for inspection by the Director-General on request. The Safety Management System shall be developed in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 9 "Guidelines for the Development of Safety Management Systems".	Compliant	Condition satisfied through implementation of the Health and Safety Management Plan

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 15-1-2002i-	33	the development as required by any licence under the POEO Act. In the return the Applicant shall report on the annual monitoring undertaken (where the activity results in pollutant discharges), provide a summary of complaints relating to the development, report on compliance with licence conditions and provide a calculation of fees (administrative fees and where relevant, load based fees) that are payable. If load based fees apply to the activity the Applicant will be required to submit load based fee calculation worksheets with the return.	Compliant	Annual Return Report completed and submitted to comply with this condition
DA 15-1-2002i-	34	within twelve months of the date of this consent, and annually thereafter during the life of the development, the Applicant shall submit an Annual Environmental Performance Report to the Director-General. This report shall include, but not be limited to: , (a) the standards, performance measures and statutory requirements the development is required to comply with; , (b) an assessment of the environmental performance of the development to determine whether it is complying with these standards, performance measures, and statutory requirements; , (c) copy of the Complaints Register for the preceding twelve month period and indicating what actions were (or are being) taken to address these complaints; , (d) indication of what actions were taken to address any issue and/or recommendation raised by the Community Consultative Committee; , (e) provision of the detailed results of all the monitoring required by this consent; and , (f) review of the results of this monitoring, identifying any non-compliance and any significant trends in the data and if any non-compliance is detected, describe what actions and measures would be carried out to ensure compliance, clearly indicating who would carry out these actions and measures, when they would be carried out,	Compliant	Condition satisfied through preparation and submission of this AEPR
DA 15-1-2002i-	35	The Director-General may require the Applicant to address certain matters identified in the Annual Environmental Performance Report. Any action required to be undertaken shall be completed within such period as the Director-General may agree.	Compliant	Condition satisfied through preparation and submission of this AEPR
DA 15-1-2002i-	36	The Applicant shall also submit a copy of the Annual Environmental Performance Report to the DECC, DPI, DWE, Wollondilly Council and Camden Council. The Applicant shall make a copy of the Report publicly available.	Compliant	Condition satisfied through preparation and submission of this AEPR
DA 15-1-2002i-	37	From two years of the date of this consent and every two years thereafter, unless the Director-General directs otherwise, the Applicant shall commission and pay the full costs of an Independent Environmental Audit. , The Independent Environmental Audit shall: , (a) be conducted by a suitably qualified, experienced, and independent person(s) whose appointment has been approved by the Director-General; , (b) be consistent with ISO 14010 – Guidelines and General Principles for Environmental Auditing, and ISO 14011 – Procedures for Environmental Auditing, or updated versions of these guidelines/manuals; , (c) assess the environmental performance of the development, and its effects on the surrounding environment; , (d) assess whether the development is complying with the relevant standards, performance measures, and statutory requirements; , (e) review the adequacy of the Applicant's Environmental Management Plan; and , (f) recommend measures or actions to improve the environmental performance of the development, and/or its environmental management and monitoring systems. , Within two months of commissioning the audit, the Applicant must submit a copy of the audit report to the Director-General and the DECC and the DPI. The Director-General may require the Applicant to address certain matters identified in the report and any comments received from the DECC and	Compliant	Condition satisfied through preparation and submission of the IEA Report
DA 15-1-2002i-	42	measures to planned well maintenance activities in order to achieve the noise limits specified by this consent. Where the noise limits are not achievable the Applicant shall implement management practices as necessary to minimise the potential noise impacts. These management practices are to include, but not be limited to: , (a) appropriately informing affected residences and other relevant parties at least two weeks in advance of any planned well maintenance activities and updating the information as required; , (b) documenting and implementing any specific work practices the Applicant will employ to limit noise; , (c) documenting the feasible and reasonable noise mitigation measures that will be undertaken to reduce noise impacts from planned well maintenance activities; and , (d) conducting noise	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	44	drilling (including well casing and grouting) of SIS wells, or , (b) where the Applicant has reached an agreement with all potentially affected residences and other noise sensitive receivers to conduct drilling works outside these hours. , , shall only be conducted between 7.00am and 6.00pm Monday to Friday and between 8.00am and 1.00pm Saturdays, unless inaudible at any residential receiver. , , Note: Inaudible means that the construction activity cannot be heard by the human ear at the nearest affected residential receiver.	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	45	Notwithstanding condition 44 of this consent, the specified hours of operation also apply to: , (a) planned maintenance activities at any of the wells; , (b) planned deliveries to the treatment plant; and , (c) planned maintenance activities at the treatment plant. , , except where the Applicant has reached an agreement with all potentially affected residences and other noise sensitive receivers, to conduct maintenance works outside these hours.	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	46	Condition 44 of this consent does not apply to the delivery of materials outside the specified hours of operation if that delivery is required by, the police or other authorities for safety reasons, and/or the operation or personnel or equipment are endangered. In such circumstances, prior notification is provided to the DECC and affected residences as soon as possible, or within a reasonable period in the case of an emergency.	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	47	The hours of operation specified in condition 44 of this consent may be varied with the written consent of the Director-General, if the DECC is satisfied that the amenity of the residents in the locality will not be adversely affected.	Not triggered	Condition not triggered during the reporting period
DA 15-1-2002i-	47A	Noise from the drilling and construction of AP02 and AP03 shall not exceed the sound pressure level (noise) limits in the table below:	Not triggered	Condition not triggered during the reporting period
DA 15-1-2002i-	53	except as may be expressly provided for by a licence under the Protection of the Environment Operations Act 1997, the Applicant shall comply with section 120 of the Protection of the Environment Operations Act 1997 in carrying out the development.	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	54	associated infrastructure shall only be applied to the following areas: , (a) dust suppression on any unsealed roads within PAL 1; , (b) irrigated onto pastures within PAL 1; , (c) evaporation dam; and , (d) reinjection into gas wells. , , The Applicant shall prepare a detailed feasibility study of reinjection of waste water into a gas well if this method of disposal of waste water is proposed. The approval of the Director-General shall be obtained for reinjection of waste water into a gas well. , , Note: Section 120 of the Protection of the Environment Operations Act 1997 applies to the disposal of waste water. This section refers to the pollution of waters.	Not triggered	Condition not triggered during the reporting period
DA 15-1-2002i-	55	Spray from waste water application shall not drift beyond the boundary of the waste water utilisation area to which it is applied.	Not triggered	Condition not triggered during the reporting period

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 15-1-2002i-	56	The Applicant shall ensure that areas proposed to be used for waste water application can effectively utilise the waste water. This includes the use for pasture or crop production, as well as ensuring the soil is able to absorb the nutrients, salts, hydraulic load and organic materials in the liquids. The Applicant may be required to undertake monitoring of land and receiving waters to determine the impact of waste water application.	Not triggered	Condition not triggered during the reporting period
DA 15-1-2002i-	57	The Applicant shall ensure that all waste water that is used for dust suppression and/or irrigation has a salinity measure that does not exceed 800 µS/cm.	Not triggered	Condition not triggered during the reporting period
DA 15-1-2002i-	58	The Applicant shall ensure that activities are carried out in a manner that will minimise the emission of dust from the site, including traffic generated dust from the site access road.	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	59	The Applicant shall take all practicable measures to ensure that all vehicles entering or leaving a site, carrying a load that may generate dust, are covered at all times, except during loading and unloading. Any such vehicles shall be covered or enclosed in a manner that will prevent emissions of dust from the vehicle at all times.	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	60	The Applicant shall take all practicable measures to minimise the generation of wind-blown dust from soil stockpiles.	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	60A	AP02 and AP03, impacts on threatened species are minimised by implementing actions including, but not limited, to the following: , (a) The recommendations outlined in Sections 6 and 7 of the Ecosearch Environmental Consultants Pty Ltd report titled "Flora and Fauna Assessment, AGL – Gas Well and Gathering Line Project Modifications"; and , (b) Marking the boundaries of endangered ecological communities (EECs) and locations of other known threatened species and, where possible, avoiding construction activities within these areas.	Not triggered	Condition not triggered during the reporting period
DA 15-1-2002i-	61	The Applicant 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 or any waste generated at the site, to be disposed of at the site, except as expressly permitted by a licence under the Protection of the Environment Operations Act 1997. This condition only applies to the storage, treatment, processing, reprocessing or disposal of waste at the site, if it requires a licence under the Protection of the Environment Operations Act 1997.	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	62	Notwithstanding condition 61 of this consent, the Applicant may dispose of waste water generated on the site in accordance with condition 54 of this consent.	Not triggered	Condition not triggered during the reporting period
DA 15-1-2002i-	68	gas gathering system pipeline: , (a) excavated trenches shall not be left uncovered overnight, unless adequate fencing and warning lights are erected; , (b) signs stating the presence of a buried gas pipeline shall be erected periodically along the length of the trench once the pipeline has been laid; , (c) trenches are to be restored and reseeded with local grass seeds on completion of the work; , (d) local council traffic guidelines in respect of work carried out on road verges and underneath roads shall be implemented; , (e) the pipeline shall be constructed in accordance with the AS 3723-1989; and , (f) the Department shall be notified on the completion of any trenching works.	Not triggered	Condition not triggered during the reporting period
DA 15-1-2002i-	72	The Applicant shall ensure the prompt and effective rehabilitation of all disturbed areas of the site following the completion of construction, operations and associated activities and/or the decommissioning of plant, to minimise the generation of wind erosion dust.	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	73	The Applicant shall carry out rehabilitation of the site in accordance with the requirements of the DPI and the Site Rehabilitation Management Plan.	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	84	The Applicant shall record and retain the details of any monitoring required as a condition of this consent or a licence under the POEO Act, in relation to the development or in order to comply with the load	Compliant	Monitoring results confirm compliance with this condition
DA 15-1-2002i-	85	pollutant emitted to the air, shall be carried out in accordance with: , (a) any methodology which is required under the POEO Act to be used for the testing of the concentration of the pollutant; or , (b) if no such requirement is imposed by or under the POEO Act or by the consent or a condition of the licence or the protocol (as the case may be) requires to be used for that testing; or , (c) if no such requirement is imposed by or under the POEO Act or by the consent or a condition of the licence or the protocol (as the case may be), any methodology approved in writing by the DECC for the purposes of that testing prior to the testing taking place. , , Note: The Clean Air (Plant and Equipment) Regulation 1997 requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Records required to be kept by the licence shall be: , (a) in a legible form, or in a form that can readily be reduced to a legible form; , (b) kept for at least four 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 DECC who asks to see them.	Compliant	Monitoring results confirm compliance with this condition
DA 15-1-2002i-	86	The following records shall be kept in respect of any samples required to be collected: , (a) the date(s) on which the sample was taken; , (b) the time(s) at which the sample was taken; , (c) the point at which the sample was taken; and , (d) the name of the person who collected the	Compliant	Condition satisfied through implementation of the EMP
DA 15-1-2002i-	87	The following records shall be kept in respect of any samples required to be collected: , (a) the date(s) on which the sample was taken; , (b) the time(s) at which the sample was taken; , (c) the point at which the sample was taken; and , (d) the name of the person who collected the	Compliant	Monitoring results confirm compliance with this condition
DA 15-1-2002i-	90	The Applicant shall establish a Community Consultative Committee to oversee the environmental performance of the development. This Committee shall: , (a) be chaired by an independent chairperson approved by the Director-General in consultation with the Applicant, Wollondilly Council and Camden Council; , (b) have four community representatives residing in the PAL 1 area; , (c) have one representative from each council; , (d) two representatives appointed by the Applicant (including the environmental officer); , (e) two (2) representatives from a recognised environmental group; , (f) meet at least quarterly; , (g) take minutes of the meeting; and , (h) make comments and recommendations about the implementation of the development and environmental management plans, monitor compliance with conditions of this consent and other matters relevant to the operation of the development during the term of the consent. , , Representatives from relevant government	Compliant	Condition satisfied through the functioning Community Consultative Committee
DA 15-1-2002i-	91	on the environmental performance and management of the development; , (b) ensure that the Committee has reasonable access to the necessary plans to carry out its functions; , (c) consider the recommendations and comments of the Committee and provide a response to the Committee and Director-General; , (d) provide access for site inspections by the Committee; , (e) make the minutes available for public inspection at Camden and Wollondilly Councils within fourteen days of the Committee meeting, or as agreed by the Committee; and , (f) forward a copy of the minutes of each Committee meeting, and any responses to the Committee's recommendations to the Director-General and the DPI within a month of the Committee meeting.	Compliant	Condition satisfied through the functioning Community Consultative Committee. All AGL presentations and minutes are available on the CGP website.

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 15-1-2002i-	92	other funding arrangement that may be agreed between the Applicant and Committee, to be managed by the Chair of the Committee to facilitate the functioning of the Committee, and pay \$5000 per annum to the fund or other arrangement, for the duration of operation in the PAL 1 area, or as otherwise directed by the Director-General. , , The monies are to be used only if required for the engagement of consultants to interpret technical information and the like. The annual payment shall be indexed according to the Consumer Price Index (CPI) at the time of payment. The first payment shall be made by the date of the first Committee meeting. A record of the finances of the trust fund during each year shall be provided to the Director-General and Applicant by the Chair on each anniversary of the first payment. Any unspent monies shall be returned to the Applicant	Not triggered	Condition not triggered during the reporting period
DA 183-8-2004-i	00	This approval is for a period of 21 years from the granting of the production lease. This production lease refers to PPL4 which was granted on 6 October 2004. Hence, 21 years from that date is 6 October 2025. (PPL to be confirmed).	Compliant	This condition is noted but no action was required during the reporting period
DA 183-8-2004-i	01	The Applicant shall implement all practicable measures to prevent or minimise any harm to the environment that may result from the construction or operation of the development.	Compliant	Condition satisfied through implementation of the EMP
DA 183-8-2004-i	02	The Applicant shall carry out the development generally in accordance with the: (a) DA submitted to the Department on 28 July 2004; (b) "Statement of Environmental Effects - Harness Racing Drilling Program" Sydney Gas Company dated 24 June 2003; (c) "Review of Environmental Effects - Mt Taurus Drilling Program" Sydney Gas Company dated March 2004; (d) Modification Application MOD 27-3-2007 and Camden Gas Project Joint Venture Gas Well and Gathering Line Modification Project Statement of Environmental Effects", dated March 2007; and (e) Modification Application MOD 13-10-2011, Camden Gas Project: MP25 Environmental Assessment dated October 2011, Response to Submissions dated 17 February 2012 and associated Statement of Commitments dated April 2012 (see Appendix 1); and (f) Conditions of this consent. If there is any inconsistency between the above documents, the latter document shall prevail over the former to the extent of the inconsistency. However,	Compliant	Condition satisfied through implementation of the EMP
DA 183-8-2004-i	03	The Applicant shall comply with any reasonable requirements of the Director-General arising from the Department's assessment of: (a) Any reports, plans or correspondence that are submitted in accordance with this consent; and (b) The implementation of any actions or measures contained in these reports, plans or correspondence.	Compliant	Condition satisfied through preparation and submission of this AEPR
DA 183-8-2004-i	04	This approval is for a period of twenty one (21) years from the granting of the production lease.	Compliant	This condition is noted but no action was required during the reporting period
DA 183-8-2004-i	05	Nothing in this consent permits the drilling and operation of any additional wells (beyond the approved 17 wells for gas production) or gas gathering lines.	Not triggered	Condition not triggered during the reporting period
DA 183-8-2004-i	06	The Applicant shall provide Campbelltown City Council and Wollundry Shire Council with the Geographical Positioning System (GPS) co-ordinates and digital survey data for gas well sites and gas gathering systems within their respective Local Government Area, in a format, suitable to each of these Councils, within two months of the completion of the gas wells and gas gathering system.	Not triggered	Condition not triggered during the reporting period
DA 183-8-2004-i	07	The Applicant shall provide Campbelltown City Council and Wollundry Shire Council with the wellhead configurations of each gas well within two months of the gas well being completed or two months from the date of this consent, whichever is the later.	Not triggered	Condition not triggered during the reporting period
DA 183-8-2004-i	08	The Applicant shall provide written notification to the Director-General that it has fulfilled the requirements of Conditions 6 and 7, within two weeks of the information being provided to the Councils.	Not triggered	Condition not triggered during the reporting period
DA 183-8-2004-i	09	Except as may be expressly provided for by a licence under the Protection of the Environment Operations Act 1997 in relation to the development, the Applicant shall comply with section 120 of the Protection of the Environment Operations Act 1997, in carrying out, this development. , , Note: Section 120 of the Protection of the Environment Operations Act 1997 applies to the disposal of wastewater.	Compliant	Condition satisfied through implementation of the EMP
DA 183-8-2004-i	12	The Applicant is required to store and manage the use and disposal of water in accordance with the current version of the Office of Environment and Heritage's "Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-Liquid Wastes."	Compliant	Condition satisfied through implementation of the EMP
DA 183-8-2004-i	13	The Applicant shall undertake the development in a way that minimises the noise generated by the development.	Compliant	Condition satisfied through implementation of the EMP
DA 183-8-2004-i	13A	The Applicant shall ensure that all construction work (except for the drilling (including well casing and grouting) of surface to in-seam wells), shall only be conducted between 7.00am and 6.00pm Monday to Friday and between 8.00am and 1.00pm Saturdays, unless inaudible, at any residential receiver. , , Note: Inaudible means that the construction activity cannot be heard by the human ear at the nearest affected	Compliant	Condition satisfied through implementation of the EMP
DA 183-8-2004-i	15	The Applicant is required to prepare and implement a Flood Management Plan for the sites for the life of the development. The Flood Management Plan will include (and not be limited to) measures to minimise and mitigate flooding impacts. The Applicant shall submit the Flood Management Plan for the Director-General's approval within one month of the date of this consent.	Compliant	Plan completed and submitted to comply with this condition
DA 183-8-2004-i	16	The Applicant is required to prepare and implement a Soil and Water Management Plan for the sites for the life of the development. The Applicant shall submit the Soil and Water Management Plan for the Director-General's approval within one month of the date of this consent.	Compliant	Condition satisfied through implementation of the EMP
DA 183-8-2004-i	16D	The Applicant shall ensure that, if any historical archaeological relics within the meaning of the Heritage Act 1977 are disturbed, the Heritage Council of NSW shall be notified in accordance with section 146 of the Heritage Act 1977.	Compliant	Condition satisfied through implementation of the EMP
DA 183-8-2004-i	17	The Applicant is required to prepare and implement a weed management Plan for the sites for the life of the development. The Applicant shall submit the Weed Management Plan for the Director-General's approval within one month of the date of this consent.	Compliant	Condition satisfied through implementation of the EMP
DA 183-8-2004-i	18	The Applicant shall obtain the prior approval of the Director-General for the redrilling and/or additional fracturing of a gas well. , , Note: For the purposes of this consent the redrilling and/or additional fracturing of a well does not constitute wellhead maintenance.	Not triggered	Condition not triggered during the reporting period
DA 183-8-2004-i	20	The Applicant shall give written notification of the proposed redrilling/refracting work to potentially affected residences and other noise sensitive receivers at least fourteen days prior to work commencing.	Not triggered	Condition not triggered during the reporting period

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 183-8-2004-i	21	The Applicant shall prepare and implement an Operational Environmental Management Plan (OEMP) to provide environmental management practices and procedures to be followed during the operation of the development. The OEMP shall be forwarded to the Director-General for approval within one month of the date of this consent. The OEMP shall include, but not necessarily be limited to: (a) identification of all statutory and other obligations that the Applicant is required to fulfil in relation to operation of the development, including all consents, licences, approvals and consultations; (b) a description of the roles and responsibilities for all key personnel involved in the operation of the development; (c) the overall environmental policies and principles to be applied to the operation of the development; (d) standards and performance measures to be applied to the development, and a means by which environmental performance can be periodically reviewed and improved; and (e) management policies to ensure that environmental	Compliant	Condition satisfied through implementation of the EMP
DA 183-8-2004-i	23	The Applicant shall review and update the OEMP annually, or as directed by the Director-General.	Compliant	EMP reviewed and updated during the reporting period
DA 183-8-2004-i	24	The Applicant shall include the operation of MP1, MP10 inclusive, MP13, MP17 inclusive, and MP30, and the associated gas gathering system and the conditions of this consent, in the Annual Environmental Performance Report required under Schedule 5 Condition 5 of development consent DA-282-6-2003-i, dated 16 June 2004.	Compliant	Condition satisfied through preparation and submission of this AEPR
DA 183-8-2004-i	25	The Applicant shall include the operation of MP1, MP10 inclusive, MP13, MP17 inclusive, and MP30, and the associated gas gathering system, and the conditions of this consent, in the Independent Environmental Audit required under Schedule 5 Condition 8 of development consent DA-282-6-2003-i, dated 16 June 2004.	Not triggered	Condition not triggered during the reporting period
DA 246-8-2002-i	00	DA 246-8-2002-i is valid for 21 years from the date of granting of the PPL 2, which was granted on 10 October 2002. Hence, this DA ceases to be valid on 10 October 2023.	Compliant	This condition is noted but no action was required during the reporting period
DA 246-8-2002-i	01	The Applicant shall implement all practicable measures to prevent or minimise any harm to the environment that may result from the construction or operation of the development.	Compliant	Condition satisfied through implementation of the EMP
DA 246-8-2002-i	02	with the: (a) DA submitted to the Department on 2 August 2002; and (b) Sydney Gas Operations Pty Ltd Kay Park CBM Project Prospecting Exploration Licence 2 Statement of Environmental Effects Exploration Drilling & Gas Gathering Operations, dated 15/4/02 and prepared by Harvest Scientific Services; (c) Addendum to Report Camden Coal Bed Methane Project – Kay Park Pipeline Archaeological and Heritage Assessment, dated May 2002 and prepared by New South Wales Archaeology; (d) Conditions of the consent for DA No. 15-1-2002-i dated 23 July 2002; (e) Modification Application MOD 25-3-2007 and "Camden Gas Project Joint Venture Gas Well and Gathering Line Modification Project Statement of Environmental Effects", dated March 2007; (f) Modification Application DA 246-8-2002i MOD 2 and "Camden Gas Project: Kay Park and Loganbrae Gas Gathering Line Modification Project Statement of Environmental Effects", dated July 2008; (g) Modification Application DA 246-8-2002i MOD 3 titled "Camden Gas Project – Modification KP06 SIS to Directional", dated October 2008; and (h) Modification Application DA 246-8-2002-i MOD 4 titled "Camden Gas Project: Proposed modification for Development Consent 246-8-2002-i – KP06 SIS well", dated February 2011; and (i) Conditions of this consent. If there is any inconsistency between the above documents, the latter document shall prevail over the former to the extent of the	Compliant	Condition satisfied through implementation of the EMP
DA 246-8-2002-i	03	This approval is for a period of twenty one (21) years from the date of granting of the production lease.	Not triggered	Condition not triggered during the reporting period
DA 246-8-2002-i	04	For the purposes of this consent the redrilling and/or additional fracturing of a well does not constitute wellhead maintenance.	Not triggered	Condition not triggered during the reporting period
DA 246-8-2002-i	05	The Applicant shall obtain the approval of the Director-General for the redrilling and/or additional fracturing of a well.	Not triggered	Condition not triggered during the reporting period
DA 246-8-2002-i	06	The Applicant shall prepare and submit to the Director-General a Redrilling and Refracting Management Plan (in accordance with Condition 10 of the consent for DA No. 15-1-2002-i dated 23 July 2002) for the redrilling and refracting of an existing well.	Not triggered	Condition not triggered during the reporting period
DA 246-8-2002-i	07	The Applicant shall give written notification of the proposed redrilling/refracting work to potentially affected residences and other noise sensitive receivers at least fourteen days prior to work commencing. Throughout the life of the development, the Applicant shall secure, renew, maintain, and comply with all the relevant statutory approvals applying to the development.	Not triggered	Condition not triggered during the reporting period
DA 246-8-2002-i	08	The Applicant shall take all reasonable steps to ensure that all of its employees, contractors and subcontractors are made aware of, and comply with, the conditions of this consent relevant to their respective	Compliant	Condition satisfied through implementation of the EMP
DA 246-8-2002-i	09	The Applicant shall obtain the approval of the DPI. The POP shall have regard to the conditions of this consent and the Environment Protection Licence under the Protection of the Environment Operations Act 1997. The POP will form the basis for the: (a) ongoing operations and environmental management; and (b) ongoing monitoring of the development. A copy of the POP shall be forwarded to the Department within fourteen days of the DPI's	Compliant	POP is now approved by the Resources Regulator. Latest POP Version 15 was approved by Resources Regulator after the reporting period on 16/09/2022.
DA 246-8-2002-i	13	The Applicant shall notify the DECC, DPI and the Director-General of any incident with significant off-site impacts on people or the biosphere environment as soon as practicable after the occurrence of the incident. The Applicant shall provide written details of the incident to the Director-General, the DECC, DPI, and Wollondilly Council within seven days of the date on which the incident occurred.	Compliant	Condition satisfied through implementation of the PIRMP
DA 246-8-2002-i	14	The Applicant shall meet the requirements of the Director-General to address the cause or impact of any incident, as it relates to this consent, reported in accordance with Condition 13 of this consent, within such period as the Director-General may agree.	Not triggered	Condition not triggered during the reporting period
DA 246-8-2002-i	15	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; (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 complaints; (e) any action(s) taken by the Applicant in relation to the complaint, including any follow-up contact with the complainant; and (f) if no action was taken by the Applicant in relation to the complaint, the reason(s) why no action was taken. The Complaints Register shall be made available for inspection by the DECC or the Director-General upon request. The Applicant shall also make summaries of the register, without details of the	Compliant	Complaints register maintained for the Project. No complaints received during the reporting period.
DA 246-8-2002-i	16	The Applicant shall include the operation of KP1, KP2, KP3, KP5 and KP06 and the associated gas gathering system, and the conditions of this consent, in the Annual Environmental Performance Report required under Condition 34 of the consent for DA No. 15-1-2002-i dated 23 July 2002.	Compliant	Condition satisfied through preparation and submission of this AEPR
DA 246-8-2002-i	17	The Applicant shall include the operation of KP1, KP2, KP3, KP5 and KP06 and the associated gas gathering system, and the conditions of this consent, in the Independent Environmental Audit required under Condition 35 of the consent for DA No. 15-1-2002-i dated 23 July 2002.	Compliant	Condition satisfied through preparation and submission of the IEA Report

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 246-8-2002-i	18	measures to planned well maintenance activities in order to achieve the noise limits specified by Condition 38 of the consent for DA No. 15-1-2002-i dated 23 July 2002. Where the noise limits are not achievable the, Applicant shall implement management practices as necessary to minimise the potential noise impacts. These management practices are to include, but not be limited to:(a) appropriately informing affected residences and another relevant parties at least two weeks in advance of any planned well maintenance activities and updating the information as required;(b) documenting and implementing any specific work practices the Applicant will employ to limit noise;(c) documenting the feasible and reasonable noise mitigation measures that will be undertaken to reduce noise impacts from planned well maintenance activities; and(d) conducting noise monitoring where appropriate.	Compliant	Condition satisfied through implementation of the EMP
DA 246-8-2002-i	19	The Applicant shall implement management practices as necessary to minimise the potential noise impacts from any drilling and fracture stimulation works. These management practices are to include, but not be limited to: , (a) identifying all potentially affected noise sensitive receivers (including residences, schools, commercial premises and noise sensitive equipment) that may be affected by these wells; , (b) predicting potential noise levels from the proposed well drilling and fracture stimulation methods where appropriate; , (c) identifying and implementing all reasonable and feasible noise mitigation measures to reduce any noise impacts; , (d) documenting and implementing any specific work practices the Applicant will employ to limit noise; , (e) conducting noise monitoring where appropriate; and, (f) appropriately informing affected residences and other relevant parties at least two weeks in advance of any drilling or fracture stimulation works with a view	Compliant	Condition satisfied through implementation of the EMP
DA 246-8-2002-i	20	except as may be expressly provided for by a licence under the Protection of the Environment Operations Act 1997, the Applicant shall comply with section 120 of the Protection of the Environment Operations Act 1997 in carrying out the development.	Compliant	Condition satisfied through implementation of the EMP
DA 246-8-2002-i	21	associated infrastructure shall only be applied to the following areas; (a) dust suppression on any unsealed roads within the site; (b) irrigated onto pastures within the site; (c) evaporation dam; and, (d) reinjection into gas wells. , The Applicant shall prepare a detailed feasibility study of reinjection of waste water into a gas well if this method of disposal of waste water is proposed. The approval of the Director-General shall be obtained for reinjection of waste water into a gas well.	Not triggered	Condition not triggered during the reporting period
DA 246-8-2002-i	22	Spray from waste water application shall not drift beyond the boundary of the waste water utilisation area to which it is applied.	Not triggered	Condition not triggered during the reporting period
DA 246-8-2002-i	23	The Applicant shall ensure that areas proposed to be used for waste water application can effectively utilise the waste water. This includes the use for pasture or crop production, as well as ensuring the soil is able to absorb the nutrients, salts, hydraulic load and organic materials in, the liquids. The Applicant may be required to undertake monitoring of land and receiving waters to determine the impact of waste water application.	Not triggered	Condition not triggered during the reporting period
DA 246-8-2002-i	24	The Applicant shall ensure that all waste water that is used for dust suppression and/or irrigation has a salinity measure that does not exceed 800 µS/cm.	Not triggered	Condition not triggered during the reporting period
DA 246-8-2002-i	25	The Applicant shall ensure that activities are carried out in a manner that will minimise the emission of dust from the site, including traffic generated dust from the site access roads.	Compliant	Condition satisfied through implementation of the EMP
DA 246-8-2002-i	26	The Applicant shall take all practicable measures to ensure that all vehicles entering or leaving a site, carrying a load that may generate dust, are covered at all times, except during loading and unloading. Any such vehicles shall be covered or enclosed in a manner that will prevent, emissions of dust from the vehicle at all times.	Compliant	Condition satisfied through implementation of the EMP
DA 246-8-2002-i	27	The Applicant shall take all practicable measures to minimise the generation of wind-blown dust from soil stockpiles.	Not triggered	Condition not triggered during the reporting period
DA 246-8-2002-i	28	gas gathering system pipeline: , (a) excavated trenches shall not be left uncovered overnight, unless adequate fencing and warning lights are erected; , (b) signs stating the presence of a buried gas pipeline shall be erected periodically along the length of the trench once the pipeline has been laid; , (c) trenches are to be restored and reseeded with local grass seeds on completion of the work; , (d) local council traffic guidelines in respect of work carried out on road verges and underneath roads shall be implemented; , (e) the pipeline shall be constructed in accordance with the AS 3723-1989; and, (f) the Department shall be notified on the completion of any trenching works.	Not triggered	Condition not triggered during the reporting period
DA 246-8-2002-i	28A	KP05 and KP06, impacts on threatened species are minimised by implementing actions including, but not limited to, the following: , (a) The recommendations outlined in Sections 6 and 7 of the Ecosearch Environmental Consultants Pty Ltd report titled "Flora and Fauna Assessment, AGL -Gas Well and Gathering Line Project Modifications"; and, (b) Marking the boundaries of endangered ecological communities (EECs) and locations of other known threatened species and, where possible, avoiding construction activities within these areas.	Not triggered	Condition not triggered during the reporting period
DA 246-8-2002-i	28B	The Applicant shall ensure that, if any historical or archaeological relics within the meaning of the Heritage Act 1977 are disturbed, the Heritage Council of NSW shall be notified in accordance with section 146 of the Heritage Act 1977.	Compliant	Condition satisfied through implementation of the EMP
DA 246-8-2002-i	29	The Applicant shall ensure the prompt and effective rehabilitation of all disturbed areas of the site following the completion of construction, operations and associated activities and/or the decommissioning of plant, to minimise the generation of wind erosion dust.	Compliant	Condition satisfied through implementation of the EMP
DA 246-8-2002-i	30	The Applicant shall carry out rehabilitation of the site in accordance with the requirements of the DPI and the Site Rehabilitation Management Plan.	Compliant	Condition satisfied through implementation of the EMP
DA 246-8-2002-i	31	The Applicant shall include the operation of KP1, KP2, KP3, KP05 and KP06 and the associated gas gathering system, and the conditions of this consent, as a matter for the consideration of the Community Consultative Committee (established under Condition 90 of the consent for DA No. 15-1-2002-i dated 23 July 2002).	Compliant	Condition satisfied through the functioning Community Consultative Committee
DA 282-6-2003-i	00	The Approval shall lapse 21 years from the granting of the production lease. The PPL refers to PPL 4 which was granted on 6 October 2004. 21 years from that date is 6 October 2025. Hence, it lapses on 6 October	Compliant	This condition is noted but no action was required during the reporting period
DA 282-6-2003-i	03.001	The Applicant shall implement all practicable measures to prevent or minimise any harm to the environment that may result from the construction or operation of the development.	Compliant	Condition satisfied through implementation of the EMP

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 282-6-2003-i	03.002	with the: (a) DA submitted to the Department on 20 June 2003; (b) Camden Gas Project Stage II- Environmental Impact Statement for the Sydney Gas Company (four volumes), dated 19 June 2003; (c) All other documents listed in Appendix C; (d) Drawings No. 32339 SK010 Issue 17 and SK014 Issue 1 ; and URS Plan LC-0100 Revision G dated 16 June 2004; (e) Modification Application 42-3-2005 and the letter from Sydney Gas Operations Pty Ltd to the Department dated 14 March 2005 titled Camden Gas Project Stage II - Modification Application, and the accompanying attachments; (f) The modification application submitted to the Department on 11 April 2006 and the accompanying document "Camden Gas Project Joint Venture Proposed Multiple Gas Well Modifications" prepared by AGL Gas Production (Camden) Pty Ltd and Sydney Gas (Camden) Operations Pty Ltd, dated April 2006; (g) The modification application submitted to the Department on 29 September 2006 and the accompanying document "Camden Gas Project Joint Venture Statement of Environmental Effects Proposed SIS Well Project" prepared by AGL Gas Production (Camden) Pty Ltd and Sydney Gas (Camden) Operations Pty Ltd, and dated September 2006; (h) The modification application submitted to the Department on 16 October 2006 and the accompanying document "Camden Gas Project Joint Venture Statement of Environmental Effects Proposed SIS Well Project (GL15)" prepared by AGL Gas Production (Camden) Pty Ltd and Sydney Gas (Camden) Operations Pty Ltd, and dated October 2006; (i) Modification Application MOD 11-2-2007 and Statement of Environmental Effects Section 96AA Modification of DA No 282-6-2003-I Relocation of an Existing Internal Road at Rosalind Park Gas Plant (RPGP) off Medhurst Road, Menangle, dated February 2007; (j) Modification Application MOD 26-3-2007 and "Camden Gas Project Joint Venture Gas Well and Gathering Line Modification Project Statement of Environmental Effects", dated March 2007; (k) Modification Application 282-6-2003 MOD 9, the Statement of Environmental Effects titled	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	03.003	if there is any inconsistency between the above documents, the most recent document shall prevail to the extent of the inconsistency. However, the conditions of this consent shall prevail to the extent of any inconsistency.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	03.004	The Applicant shall comply with any reasonable requirements of the Director-General arising from the Department's assessment of: (a) Any reports, plans or correspondence that are submitted in accordance with this consent; and, (b) The implementation of any actions or measures contained in these reports, plans or correspondence.	Compliant	Condition satisfied through preparation and submission of this AEPR
DA 282-6-2003-i	03.005	This approval shall lapse twenty one (21) years from the granting of the production lease.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	03.006	The Applicant shall not exceed the maximum production capacity of 14.5 petajoules per annum, from the gas treatment plant.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	03.007	The Applicant must in the opinion of the DECCW be a fit and proper person to hold a licence under the Protection of the Environment Operations Act 1997, having regard to the matters in s83 of that Act.	Compliant	EPL 12003 held by AGL throughout the reporting period
DA 282-6-2003-i	03.011	The Applicant shall not exceed the maximum production capacity of 14.5 petajoules per annum, from the gas treatment plant. Note: The Petroleum Production Lease that may be granted by the DII will apply to the PEL 2 area, which is a much larger area than that which the development consent applies to., This consent applies to the land and structures identified in Schedule 1, being the gas wells, gas treatment plant, associated workshop and office facilities and gas gathering system.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	03.012	Nothing in this consent permits the drilling and operation of any additional wells (beyond the approved 49 wells for gas production) or gas gathering lines.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	03.013	alterations or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the BCA., , Note: a) Under Part 4A of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for the proposed building works., b) Part 8 of the EP&A Regulation sets out the detailed requirements for the certification of development., c) The development is located in the South Campbelltown and Wilton Mine Subsidence Districts. Under Section 15 of the Mine Subsidence Compensation Act 1961, the Applicant is required to obtain the Mine Subsidence Board's approval before constructing or relocating any improvements on the site.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	03.014	repairing any existing public infrastructure that is damaged by the development; (b) Relocate or pay the full costs associated with relocating any existing public infrastructure that needs to be relocated as part of the development; and, (c) Meet the reasonable requirements of Sydney Water and Macarthur Water regarding the construction and operation of the proposed development adjacent to the water mains operated by Sydney Water and Macarthur Water respectively., , Note: The Applicant may be required to apply to Sydney Water for a Section 73 Compliance Certificate under the Sydney Water Act 1994 and to meet Sydney Water's reasonable requirements.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	03.015	The Applicant shall provide Camden Council, Campbelltown City Council and Wollondilly Shire Council with the Geographical Positioning System (GPS) co-ordinates and digital survey data for gas well sites and gas gathering systems within their respective Local Government Area, in a format suitable to each of these Councils, within two months of the completion of the gas wells and gas gathering system.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	03.016	The Applicant shall provide Camden Council, Campbelltown City Council and Wollondilly Shire Council with the wellhead configurations of each gas well within two months of the gas well being completed or two months from the date of this consent, whichever is the later.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	03.017	The Applicant shall provide written notification to the Director-General that it has fulfilled the requirements of Conditions 15 and 16, within two weeks of the information being provided to the Councils.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	04.001	The Applicant shall implement visual mitigation measures as depicted on the plan "Camden Gas Project Stage 2: Vegetation and Landscape Management Plan" Drawing No LC-0100 Revision G prepared by URS for Sydney Gas dated 16 June 2004 (the "Landscape Design").	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.008	The Applicant must ensure that wherever possible, any scheduled use of the flare occurs during daylight hours.	Compliant	Monitoring results confirm compliance with this condition
DA 282-6-2003-i	04.010	The Applicant shall report on the effectiveness of the lighting controls in the AEPR.	Compliant	Condition satisfied through preparation and submission of this AEPR

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 282-6-2003-i	04.011	shall make this information available for inspection by the Director-General on request. The records shall include but not be limited to the following: (a) date and time of each flare event; (b) duration of each flare event; (c) whether the flare operated during daylight or night-time hours; (d) the cause for the operation of the flare; (e) the number of compressor engines that have been commissioned and operating during the period; and, (f) comparison of the frequency, night-time frequency, duration and estimated light level of each type of flare event with the flare events predicted in Table 2 of the following report: URS (2003) "Sydney Gas Proposal Stage 2 Coal Seam Methane Project Visual Assessment of Lighting and Flare" prepared by URS for Sydney Gas dated 6 November	Compliant	Condition satisfied through preparation and submission of this AEPR
DA 282-6-2003-i	04.012	The site shall be landscaped as shown on the Landscape Design and this landscaping shall be maintained for the life of the development.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.013	Management Plan for the Gas Treatment Plant site and the gas well sites. The plan shall include, but not necessarily be limited to: (a) reasonable measures to protect mature trees as part of the well drilling, gas gathering system and Treatment Plant Site construction activities; (b) a landscape strategy detailing the design and proposed planting of trees and shrubs to be undertaken; (c) ensuring that tree and shrub species used for landscaping of the site are indigenous to the locality; (d) details of a program to ensure that all landscaped areas are maintained in a tidy, healthy state; (e) measures intended to maximise the screening of infrastructure from views from the Mt Gilead property through planting and other measures; (f) details of the visual appearance of all new buildings, structures and facilities (including paint colours and specifications). New buildings shall be constructed so as to present a neat and orderly appearance and to blend as far as practicable with the surrounding landscape; (g) Details of any necessary irrigation system to ensure that adequate supplies of water are made available to all landscaping on site, the trees between the site and Menangle Creek and the trees located on the southern boundary of the Gas Treatment Plant site; (h) Details of any necessary methods to be employed in the establishment of trees on cut batters in the event that the excavated surface is not conducive to the planting of vegetation of the type displayed in the Landscape Design; (i) provision for assessing and regularly monitoring the health of the trees in the Menangle Creek riparian zone adjacent to the Gas Treatment Plant site. The objective of the monitoring is to determine the health of the trees and to recommend measures (if required) to improve the health of the trees; (j) reasonable measures to ensure that mature trees within the riparian corridor along Menangle Creek are retained and protected; (k) details of proposed screening works including supplementary planting along the border of the site with Menangle Creek; (l) reasonable measures to minimise the impacts of the gas wells on the cultural heritage landscape of the EMAI; (m) details of a monitoring program to assess the effectiveness of all visual impact mitigation measures, particularly the measures used to minimise the visual impacts on the Mount Gilead Homestead; and, (n) reporting the results of the visual impact monitoring in the Annual Environmental Performance Report. The monitoring results will	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.014	Vegetation and Landscape Management Plan must make provision for ensuring that landscaping of the Gas Treatment Plant site and surrounds is maintained in an adequate condition by providing details of a monitoring program. Monitoring must be carried out pursuant to the monitoring program every 6 months for the first two years from the commencement of planting and thereafter every 2 years by an independent and suitably qualified and experienced arborist whose appointment has been approved for the purposes of this condition by the Director-General. The monitoring program must include the following features: (a) identification of mature trees surrounding the site which afford screening of the Gas Treatment Plant from Mt Gilead Homestead; (b) provision for assessing and regularly monitoring the health of landscaping on the site and the trees in the Menangle Creek riparian zone adjacent to the Gas Treatment Plant site. The objective of the monitoring is to determine the health of the trees and to recommend measures (if required) to improve the health of the trees; (c) Description of the health of each tree identified under condition (a); (d) Recommendation of reasonable measures to ensure that mature trees within the riparian corridor along Menangle Creek are retained and protected, including trees that lie within the transmission line easement to the East of the site; (e) Recommendation of any watering or fertilising that needs to be implemented to maintain the landscaping and surrounding trees; (f) Recommendation of how to manage the landscaping to promote the maximisation of growth to maturity; (g) The results and recommendations	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	04.015	southern boundary of the Gas Treatment Plant site, must be retained. They must not be lopped or trimmed except on the advice of an independent arborist whose appointment has been approved for the purposes of this condition by the Director-General that the proposed work is reasonably necessary for safety reasons. The trees must be maintained in a healthy condition. (b) If any of the trees described in this condition ceases to provide screening of the quarry from the Mount Gilead Homestead, as a result of the Applicant's activities (other than trimming or lopping undertaken on the advice of the arborist), the Applicant must provide alternative screening to the satisfaction of the Director-General.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.017	screening of the Gas Treatment Plant from the Mt Gilead Homestead due to any clear felling of trees in the area marked "A" on the Applicant's Plan Map Ref M240212 dated 16 June 2004 ("Applicant's Plan") by the holder of the electricity transmission line easement over Lot 1 DP 807555 ("Holder"), the Applicant shall carry out any reasonable and necessary trimming and lopping of those trees provided the Holder requests the Applicant in writing to carry out this trimming and lopping and undertakes in return to refrain from the clear felling of those trees within	Compliant	Condition satisfied through implementation of the EMP

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 282-6-2003-i	04.018	Audit of the performance of the mitigation measures implemented to prevent and minimise visual impacts of the proposal including landscaping, preservation of existing trees, and night-lighting effects. The audit must be conducted within 6 months of the commissioning of the proposed development and every 2 years thereafter, unless the Director-General directs otherwise. This audit must: (a) Be conducted by an independent landscape expert who is suitably qualified and experienced and whose appointment has been approved by the Director-General; (b) Assess the performance of the visual mitigation measures with specific reference to the effectiveness of mitigation measures in screening the development and lighting from the development from the Mount Gilead Homestead; (c) Review the adequacy of the Vegetation and Landscape Management Plan; (d) Recommend actions or measures to improve the performance of the visual mitigation measures and the adequacy of the Vegetation and Landscape Management Plan (if required); and, (e) Be submitted to the Director-General; and, (f) Be implemented to the satisfaction of the Director-General.	Compliant	Condition satisfied through the preparation and submission of the landscape and lighting audit
DA 282-6-2003-i	04.019	Within 2 months of commissioning this audit the Applicant shall submit a copy of the audit report to the Director-General and provide a detailed response to any of the recommendations in the audit report. A copy of the Independent Audit, and/or the results and recommendations of any monitoring carried out under condition 14, will be provided to the owner of Lot 1 DP 807555 by the Director-General upon request.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	04.019B	thereafter, unless the Director-General directs otherwise, the Applicant shall commission and pay the full costs of an Independent Audit of the performance of the mitigation measures. The audit shall: (a) be conducted by a suitably qualified, experienced and independent person(s) whose appointment has been approved by the Director-General; (b) assess the performance of the visual mitigation measures with specific reference to the effectiveness of mitigation measures in screening the road from the Mount Gilead Homestead; (c) review the adequacy of the Landscape Planting Plan; (d) recommend actions or measures to improve the performance of the visual mitigation measures and the adequacy of the Landscape Planting Plan (if required); and, (e) be submitted and implemented to the satisfaction of to the Director-General. , Note: The Applicant may include this audit in the Independent Audit required under Schedule 4 Condition 18 of development consent Da-282-6-2003-I, dated 16 June 2004. The due date for a combined audit shall be the earlier of the due dates for the separate audits.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	04.023	The Applicant shall implement best practice flora and fauna management.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.024	The Applicant shall take all practicable measures to minimise potential flora and fauna impacts of the proposed development.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.026	The Applicant shall not remove mature trees as part of this development unless otherwise agreed by the Director-General.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.029	The Applicant shall ensure that noise from the normal operation of the premises, excluding flaring events, must not exceed the noise limits in the table below:	Compliant	Monitoring results confirm compliance with this condition
DA 282-6-2003-i	04.029A	Noise from the operation of EM39 and GL17 shall not exceed the noise limits in the table below:	Compliant	Monitoring results confirm compliance with this condition
DA 282-6-2003-i	04.030	period from 7am to 6pm Monday to Saturday and 8am to 6pm Sundays and Public holidays; (b) Evening is defined as the period 6pm to 10pm; (c) Night is defined as the period from 10pm to 7am Monday to Saturday and 10pm to 8am Sundays and Public Holidays; and, (d) The receiver locations R1 and R7 are as shown in Figure 5.1 of the Environmental Noise and Vibration Study by Environmental Resources Management Australia Pty Ltd dated June 2003 which accompanied the Environmental Impact Statement for the project.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.032	30m of the dwelling (rural situations) where the dwelling is more than 30m from the boundary to determine compliance with the LAeq(15 minute) and LAeq(period) noise limits in Conditions 29, 29A and 31. , Where it can be demonstrated that direct measurement of noise from the premises is impractical, the DECCW may accept alternative means of determining compliance. See Chapter 11 of the NSW Industrial Noise Policy. , The modification factors presented in Section 4 of the NSW Industrial Noise Policy shall also be applied to the measured noise levels where applicable.	Compliant	Monitoring results confirm compliance with this condition
DA 282-6-2003-i	04.033	The noise emission limits identified in Conditions 29, 29A and 31 apply under meteorological conditions of: , * Wind speed up to 3m/s at 10 metres above ground level; or, * Temperature inversion conditions of up to 3degreesC/100m and wind speed up to 2m/s at 10 metres above the ground.	Compliant	Monitoring results confirm compliance with this condition
DA 282-6-2003-i	04.034	Maintenance Noise Management Protocol to be used for the duration of the project. The Protocol must include, but is not necessarily limited to: (a) noise compliance standards; (b) community consultation; (c) advance notice to affected members of the community for planned well maintenance activities; (d) complaints handling monitoring/system; (e) site contact person to follow up complaints; (f) mitigation measures; (g) the design/orientation of the proposed mitigation methods demonstrating best practice; (h) construction times; (i) contingency measures where noise complaints are received; and, (j) monitoring methods and program.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.036	between; * 7am and 6pm on weekdays; and, * 8am and 1pm on Saturdays (excluding Public Holidays)., This condition does not apply to the delivery of material outside the hours of operation permitted by the DECCW's licence, if that delivery is required by police or other authorities for safety reasons; and/or the operation or personnel or equipment are endangered. In such circumstances, prior notification is to be provided to the DECCW and affected residents as soon as possible, or within a reasonable period in the case of emergency.	Compliant	Condition satisfied through implementation of the EMP

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 282-6-2003-i	04.038	approval within six months of the date of this consent. The Plan shall include, but not necessarily be limited to: (a) identification of the potential sources of noise during drilling and operation; (b) the noise criteria for these activities; (c) details of what actions and measures would be implemented to ensure that these operations would comply with the relevant noise criteria; (d) describe how the effectiveness of these actions and measures would be monitored during the life of the development, clearly indicating who would conduct the monitoring, how often this monitoring would be conducted, how the results of this monitoring would be recorded and reported to the Director-General, and if any non-compliance is detected; and, (e) describe what procedures would be followed to ensure compliance.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.039	The Applicant shall undertake the development in a way that minimises the noise generated by the development.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.040	The Applicant must submit a noise compliance report to the DECCW and the Department within one month of commissioning of the Gas Treatment Plant and on an annual basis with the Annual Return required by the DECCW's licence to assess the project's compliance with the noise limits in Conditions 29 and 31. The noise monitoring must be conducted in accordance with Condition 42.	Compliant	Annual Return Report completed and submitted to comply with this condition
DA 282-6-2003-i	04.041	Following the first 12 months of continuous noise monitoring, during the life of the Development or as otherwise agreed by the Director-General, the Applicant shall undertake quarterly attended monitoring at the Mt Gilead Homestead to the satisfaction of the Director-General, in accordance with the NSW Industrial Noise Policy and AS 1055: "Acoustics – Description and Measurement of Environmental Noise".	Compliant	Monitoring results confirm compliance with this condition
DA 282-6-2003-i	04.044	The Applicant shall obtain the prior approval of the Director-General for the redrilling and/or additional fracing of a gas well., , Note: For the purposes of this consent the redrilling and/or additional fracing of a well does not constitute wellhead maintenance.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	04.045	The Applicant shall prepare a Redrilling and Refracing Management Plan in consultation with the DII for the redrilling and/or refracing of an existing well. The Plan shall be submitted to the Director-General no later than one month prior to the commencement of the work or within such period as agreed by the Director-General. The Plan shall include, but not necessarily be limited to: (a) a description of all the activities to be undertaken on the well site during the redrilling and/or refracing work; (b) details of how the environmental performance of the work will be monitored and what actions will be taken to address identified adverse environmental impacts; (c) reference to the relevant parts of the Environmental Management Plan required under conditions 1 and 2 (Schedule 5) of this consent; (d) compliance with all the relevant environmental performance requirements of this consent; and, (e) arrangements for complaints handling procedures during the redrilling/refracing work., , The Applicant shall give written notification of the proposed redrilling/refracing work to potentially affected	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	04.046	structures (including structures on EMAI) within 25 metres of a wellhead., The Applicant shall undertake an inspection of the residence and/or structure prior to work commencing, and a follow up inspection within one month of the completion of the work. The Applicant shall take immediate action for repair of any damage to the residence or structure as a result of the work and to avoid any further damage., A copy of the Condition Report shall be submitted to the Director-General and the DII after completion of the work.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	04.047	The Applicant shall ensure that air pollutant emissions from the development do not exceed the following criteria at any privately owned	Compliant	Monitoring results confirm compliance with this condition
DA 282-6-2003-i	04.050	table below (by point number10), the Applicant shall ensure that the parameter is equal to or greater than the lower limits specified for that parameter in the table. Note: The limits for residence time and temperature for the main flare will be determined after the Applicant has submitted the report specified in Condition 126 based upon flare design of 98% destruction efficiency for VOCs plus methane and a NOx emission rate as determined in the report specified in Condition 126.	Not triggered	No action required for this condition during the reporting period
DA 282-6-2003-i	04.052	The Applicant shall take all practicable measures to ensure that all vehicles entering or leaving a site, carrying a load that may generate dust, are covered at all times, except during loading and unloading. Any such vehicles shall be covered or enclosed in a manner that will minimise emissions of dust from the vehicle at all times.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.053	The Applicant shall take all practical measures to minimise the generation of wind blown dust from soil stockpiles.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.064	The Applicant must not cause or permit the emission of offensive odours from the premises, as defined under Section 129 of the Protection of the Environment Operations Act 1997.	Compliant	Monitoring results confirm compliance with this condition
DA 282-6-2003-i	04.065	The Applicant must not cause the emission of detectable mercaptan odour from the premises., , Note: Should odour emissions become an issue, the DECCW will consider requiring investigation and implementation of further odour control measures.	Compliant	Monitoring results confirm compliance with this condition
DA 282-6-2003-i	04.066	except as may be expressly provided for by a licence under the Protection of the Environment Operations Act 1997 in relation to the development, the Applicant shall comply with section 120 of the Protection of the Environment Operations Act 1997 in carrying out the development.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.067	The Applicant shall undertake the development in a way that minimises the potential surface water impacts of the development.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.073	proposed development and therefore any excavation, removal of material from the bank, shore or bed of any stream, estuary or lake, or land within 40 metres from the top of the bank will require a Part 3A permit. The Applicant shall ensure that stream crossings B and F, as shown on the plan Camden Gas Project Stage 2 – RFI Act 3A Permit Areas by Sydney Gas (Figure 2, Appendix B) are under-bored. The gas pipe is to be at least 2 metres below the bed of the watercourses. The bed and banks of the watercourses are not to be disturbed.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	04.074	L, M, N, O, X, Y, Z, as shown on plan Camden Gas Project Stage 2 – RFI Act 3A Permit Areas by Sydney Gas (Figure 2, Appendix B). The Applicant shall prepare and implement a representative trenched crossing design. The design shall be prepared and implemented by a person(s) with relevant knowledge, qualifications and experience, in consultation with the Director-General. The Applicant shall submit the plan for approval by the Department PRIOR TO THE ISSUE OF THE PART 3A PERMIT. The final crossing design is to be presented in plan view and cross section. The cross section is to be at right angles to the direction of the flow, is to extend for a minimum distance of 10 metres from the top of both banks and is to include the location of all structures associated with the	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	04.075	The Applicant shall ensure that stream crossing 1 as shown on plan Camden Gas Project Stage 2 – RFI Act 3A Permit Areas by Sydney Gas (Figure 2, Appendix B) is strapped to the Menangle Bridge.	Not triggered	Condition not triggered during the reporting period

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 282-6-2003-i	04.076	The Applicant shall ensure that stream crossing H as shown on plan Camden Gas Project Stage 2 – RFI Act 3A Permit Areas by Sydney Gas (Figure 2, Appendix B), is either strapped to the existing road crossing, strapped to an upgraded road crossing, under-bored or consist of a pipe bridge. Should a pipe bridge be proposed, the Applicant shall prepare and implement a design of the crossing which shall be prepared and implemented by a person(s) with relevant knowledge, qualifications and experience, in consultation with the NOW. The Applicant shall submit the plan for approval by the D-G PRIOR TO THE ISSUE OF THE PART 3A PERMIT. The final crossing design is to be presented in plan view and cross section. The cross section is to be at right angles to the direction of flow, is to extend for a minimum distance of 20 metres from the top of both banks and is to include the location of all structures associated with the proposed crossing., , Note: A Part 3A Permit may be required for a	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	04.078	The Applicant shall ensure that works within 20 m of watercourses are to be undertaken during dry weather conditions.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	04.079	The Applicant shall ensure that the disturbance to the bed and banks of all watercourses are kept at an absolute minimum during the construction procedure and reinstatement of the site.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	04.080	The Applicant shall implement all practicable measures to minimise soil erosion and the discharge of sediments and water pollutants from the	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.081	The Applicant shall ensure that the amount of dirty water and sediment from the site entering protected waters, or that is exposed to the flow of protected waters, or that is likely to detrimentally affect water quality, riparian vegetation or habitat or the environment is minimised in a manner acceptable to the D-G.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.082	The Applicant shall implement all relevant site drainage and sediment and erosion control works and measures and any other pollution controls as required by these conditions, prior to the commencement of any other works at the site.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.083	The Applicant shall document in detail the decommissioning of all sediment and erosion controls and any other water diversion structures to the satisfaction of the Director-General. The Applicant shall ensure that the decommissioning meets the requirements of the most recent version of the NSW Department of Housing's publication Managing Urban Stormwater: Soils and Construction (3rd Edition 1998).	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.084	Plan (SWMP) for the development. A person, with professional qualifications, knowledge and experience to industry standards, must prepare the SWMP. The Applicant shall seek the Director-General's prior approval of the person to prepare the Plan. The SWMP shall be prepared to the satisfaction of the Director-General prior to the issue of the Part 3A permit. This plan shall include, but not necessarily be limited to:; (a) all works on protected land and in protected waters, and staging and maintenance requirements;; (b) the measures to be implemented to minimise the potential for soil erosion and the discharge of sediment and other pollutants to lands and/or waters during drilling and construction activities;; (c) the measures to be implemented to mitigate the impacts of stormwater run-off from and within the site following the completion of drilling and construction activities;; (d) demonstrate that erosion and sedimentation control measures will conform with, or exceed, the relevant requirements and guidelines contained in the "Managing Urban Stormwater: Soils and Construction" or its latest version;; (e) consistency with the stormwater management plan for the catchment, should one exist, or with the DECCW's "Managing Urban Stormwater: Soils and Construction" should a stormwater management plan for the catchment not exist;; (f) any DECCW licence requirements;; (g) measures to rehabilitate erosion-affected areas and areas the subject of excavation, including the planting of local native tree, shrub and/or cover crop species;; (h) measures to maintain the soil quality, soil integrity and soil structure of land on the EMAI during the construction and operation of the proposal;; (i) implement a program of regular testing of waste water quality for compounds, nutrients and metals, as outlined in the EIS;; (j) provide details of an appropriate soil sampling and monitoring program to ensure that areas used for waste water application do not lead to an unacceptable build-up of salts within the soil profile;; (k) management procedures for all surface and groundwater collection and storage structures on the site, including a maintenance program for associated infrastructure (eg. pipes, pumps, dam walls, etc.) and a program for desilting of those structures, where relevant; (l) details of the well maintenance procedures to ensure the integrity of the well isolation components to prevent the cross contamination of groundwater aquifers; and, (m) ensuring that saline groundwater which would exceed the ANZECC guidelines for the protection of aquatic ecosystems and irrigation	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.090A	The Applicant shall ensure that, if any historical archaeological relics within the meaning of the Heritage&Act&1977 are disturbed, the Heritage Council of NSW shall be notified in accordance with section 146 of the Heritage Act 1977.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	04.094	incident with actual or potential significant off-site impacts on people or the biophysical environment, to supply a report to the Department outlining the basic facts. A further detailed report shall be prepared and submitted following investigations of the causes and identification of necessary additional preventive measures. That report must be submitted to the Director;General no later than 14 days after the incident or potential incident. , The Applicant shall maintain a register of accidents, incidents and potential incidents. The register shall be made available for inspection at any time by the independent , hazard auditor and the	Compliant	This condition is noted but no action was required during the reporting period
DA 282-6-2003-i	04.095	twelve months after the commencement of operations or the proposed development or within such further period as the Director;General may agree, the Applicant shall , carry out a comprehensive hazard audit of the proposed development and within one month of the audit submit a report to the Director;General. The audit shall be carried out at the Applicant's expense by a duly qualified independent person or team approved by the Director;General prior to commencement of the audit. Further audits shall be carried out every three years or as determined by the Director;General and a report of each audit shall within a month of the audit be submitted to the Director;General. , Hazard audits shall be carried out in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 5, "Hazard Audit Guidelines". , The audit shall include a review of the safety management system and a review of all entries made in the incident register since the previous audit. Note: The Applicant must comply with the requirements of the most recent version of the Schedule of Onshore Exploration and production Safety Requirements' published by the DII in August 1992 where	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	04.097	The Applicant shall ensure that the storage, handling, and transport of: (a) Dangerous goods is done in accordance with the relevant Australian Standards, particularly AS1940 and AS1596, and the Dangerous Goods Code; and , (b) Explosives are carried out in accordance with the requirements of DPI.	Compliant	Condition satisfied through implementation of the EMP

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 282-6-2003-i	04.098	reprocessing or disposal of waste at the premises if it requires an environment protection licence under the Protection of the Environment Operations Act 1997. , The Applicant 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 a licence under the Protection of the Environment Operations Act 1997.	Compliant	This condition is noted but no action was required during the reporting period
DA 282-6-2003-i	04.099	Except as provided by any other condition of this consent, only the hazardous and/or industrial and/or Group A waste listed below may be generated and/or stored at he , premises: , -- Waste oil/water, hydrocarbons/water mixtures or emulsions.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.105	any movement of hazardous, industrial or Group A waste from the premises must be conducted in accordance with the DECC's waste tracking requirements. A copy of these tracking requirements is included in Schedule 8.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.106	the whole site. This plan shall include, but not necessarily be limited to: , (a) measures to minimise the production and impact of waste produced at the site during drilling and operation; , (b) implementation of waste reduction, reuse and recycling principles; , (c) details of the reuse and recycling of waste water produced/collected on the site, including collection and handling procedures; , (d) details of appropriate disposal methods in the event that reuse and recycling are not available or are not practicable; and , (e) programs for involving and encouraging employees and contractors to minimise domestic waste production on the site and reuse/recycle where appropriate. , , Key concepts of the plan and management measures should be submitted and approved by the Director;General prior to substantial construction. The plan shall be fully completed and approved by the Director;General prior to commissioning.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.107	The Applicant shall not bring into the EMAI site, any roadbase material for new access roads to gas well sites EM 1 to EM 4 (inclusive) and gas well site EM 6 (refer to figure , 3, Appendix B for locations of roads).	Compliant	This condition is noted but no action was required during the reporting period
DA 282-6-2003-i	04.108	The Applicant shall ensure that the existing access roads marked blue on Figure 3 (Appendix B) (between gas well sites EM 6 and EM 8) are used by light vehicles only.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	04.109	The Applicant shall ensure that all heavy vehicles only travel along access roads designated for such vehicles.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.110	The Applicant shall ensure that during and immediately following heavy rainfall events, vehicle movements to gas well sites and / or gas gathering systems will cease.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.111	On completion of drilling and tracing activities, the Applicant shall rehabilitate soils affected by compaction. This rehabilitation shall be conducted in consultation with a representative from EMAI.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	04.115	the site: , (a) Provision of a two;lane access road to the Treatment Plant area from Menangle Road; , (b) Provision of a 20 metre asset protection zone managed as an inner protection area, around the perimeter of the Gas Treatment Plant and gas well sites; , (c) Provision of a dedicated water supply tank of 20,000 Litres for the sole use of fire-fighting; and , (d) Provision of the location of gas wells, access roads to the gas well sites and access roads to the Gas Treatment Plant Site to the NSW Rural Fire Service. , Note: The terms "Asset Protection Zone" and "Inner Protection Area" as specified in this Condition are defined within the "Planning for Bushfire Protection 2001" Guidelines published jointly by the NSW Rural Fire Service and the Department. See referenceto Schedule 4 Condition 119- to demonstrate ongoing compliance with this condition	Compliant	Condition satisfied through implementation of the Health and Safety Management Plan
DA 282-6-2003-i	04.120	The Applicant shall ensure the prompt and effective rehabilitation of all disturbed areas of the site following the completion of construction, operations and associated activities and/or the decommissioning of plant, to minimise the generation of wind erosion dust.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.121	The Applicant shall carry out rehabilitation of the site in accordance with the requirements of the DII.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.122	The Applicant shall ensure that all areas or earthworks associated with the construction of the gas gathering system are rehabilitated to the pre-existing site conditions on completion of construction.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	04.123	The Applicant shall ensure that for all trenched crossings, the natural bed and bank profiles are restored to their original conditions, with smooth and even surfaces following the installation of the gas pipe.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.124	The Applicant shall stabilise and revegetate as soon as possible all disturbed soil surfaces with sterile exotic cover crops and local native grasses. The Applicant is not permitted to use Kikuyu and other invasive grass species.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.125	The Applicant shall maintain and monitor all revegetated riparian zones for a period of at least two years after final planting. Maintenance must include sediment and erosion control, watering, weed control, replacement of plant losses, disease and insect control, mulching and any other requirements for achieving successful vegetation establishment., Note: The Director-General may require the Applicant to prepare and implement a Vegetation Management Plan and remedial works if	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	04.128	Should the future Local Environmental Plan and/or Master Plan for the Menangle Park urban release area identify the need to relocate any gas gathering lines the subject of this consent to ensure an efficient and environmentally sustainable urban outcome, that infrastructure shall be relocated by, and at the cost of the applicant to the satisfaction of the Director-General following consultation with Campbelltown City Council.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	05.01	Management Plan (CEMP) to provide environmental management, practices and procedures to be followed during the drilling and construction phases of the proposed development. A framework plan outlining key practices, procedures and environmental management practices should be approved by the Director-General prior to the commencement of substantial construction. Sub-plans detailing implementation measures shall be submitted for approval at various stages of construction as agreed by the Director-General.	Not triggered	Condition not triggered during the reporting period

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 282-6-2003-i	05.02	The Applicant shall prepare and implement an Operational Environmental Management Plan (OEMP) to provide environmental management practices and procedures to be followed during the operation of the development. The OEMP shall be forwarded to the Director-General for approval one month prior to commissioning. The OEMP shall include, but not necessarily be limited to: (a) identification of all statutory and other obligations that the Applicant is required to fulfil in relation to operation of the development, including all consents, licences, approvals and consultations; (b) a description of the roles and responsibilities for all key personnel involved in the drilling and operation of the development; (c) the overall environmental policies and principles to be applied to the operation of the development; (d) standards and performance measures to be applied to the development, and a means by which environmental performance can be periodically reviewed and improved; and (e) management policies to ensure that environmental performance goals are met. The Applicant shall supply a copy of the OEMP and OEMP to the DECCW, DII, Camden Council, Campbelltown City Council and Wollondilly Shire Council within fourteen days of the Director-General's approval. The Applicant shall ensure that a copy of the OEMP and OEMP is publicly available.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	05.03	The Applicant shall review and update the OEMP annually, or as directed by the Director-General. Note: Submission of a copy of the approved Plan to other Government agencies does not mean that their approval is required. The Plan is for the information of the agency.	Compliant	Plan completed and submitted to comply with this condition
DA 282-6-2003-i	05.04	The Applicant shall review and update the OEMP annually, or as directed by the Director-General. Note: Submission of a copy of the approved Plan to other Government agencies does not mean that their approval is required. The Plan is for the information of the agency.	Compliant	EMP reviewed and updated during the reporting period
DA 282-6-2003-i	05.05	During the life of the development, the Applicant shall submit an Annual Environmental Performance Report to the Director-General. This report shall include, but not be limited to: (a) the standards, performance measures and statutory requirements the development is required to comply with; (b) an assessment of the environmental performance of the development to determine whether it is complying with these standards, performance measures, and statutory requirements; (c) reporting against the implementation of the Project Commitments Register; (d) copy of the Complaints Register for the preceding twelve month period and indicating what actions were (or are being) taken to address these complaints; (e) indication of what actions were taken to address any issue and/or recommendation raised by the Community Consultative Committee; (f) provision of the detailed results of all the monitoring required by this consent; (g) review of the results of this monitoring against: * impact assessment criteria; * monitoring results from previous years; and * predictions in the EIS; (h) identify any non-compliance during the year; (i) identify any significant trends in the data; and (j) if any non-compliance is detected, describe what actions and measures would be carried out to ensure compliance, clearly indicating who would carry out these actions and measures, when they are required. The Director-General may require the Applicant to address certain matters identified in the Annual Environmental Performance Report. Any action required to be undertaken shall be completed within such period as the Director-General may agree.	Compliant	Condition satisfied through preparation and submission of this AEPR
DA 282-6-2003-i	05.06	The Applicant shall also submit a copy of the Annual Environmental Performance Report to the DECCW, DII, Camden Council, Campbelltown City Council and Wollondilly Shire Council. The Applicant shall make a copy of the Report publicly available.	Compliant	Condition satisfied through preparation and submission of this AEPR
DA 282-6-2003-i	05.07	Within two years of the date of this consent and every two years thereafter, unless the Director-General directs otherwise, the Applicant shall commission and pay the full costs of an Independent Environmental Audit. The Independent Environmental Audit shall: (a) be conducted by a suitably qualified, experienced, and independent person(s) whose appointment has been approved by the Director-General; (b) be consistent with ISO 19011:2002 - Guidelines for Quality and/or Environmental Management Systems Auditing, or updated versions of these guidelines/manuals; (c) assess the environmental performance of the development, and its effects on the surrounding environment; (d) assess whether the development is complying with the relevant standards, performance measures, and statutory requirements; (e) review the adequacy of the Applicant's Environmental Management Plan; and (f) recommend measures or actions to improve the environmental performance of the development.	Compliant	Report completed and submitted to comply with this condition
DA 282-6-2003-i	05.10	Within two months of commissioning the audit, the Applicant must submit a copy of the audit report to the Director-General, DECCW and the DII.	Compliant	Condition satisfied through preparation and submission of the IEA Report
DA 282-6-2003-i	05.11	Within two months of commissioning the audit, the Applicant must submit a copy of the audit report to the Director-General, DECCW and the DII.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	05.16	the development as required by any licence under the Protection of the Environment Operations Act 1997 in relation to the development. In the Annual Return the Applicant must report on the annual monitoring undertaken (where the activity results in pollutant discharges), provide a summary of complaints relating to the development, report on compliance with licence conditions and provide a calculation of licence fees (administrative fees and, where relevant, load based fees) that are payable. If load based fees apply to the activity the Applicant will be required to submit load-based fee calculation worksheets with the return.	Compliant	Annual Return Report completed and submitted to comply with this condition
DA 282-6-2003-i	05.17	The Applicant shall ensure the continuation of the existing Sydney Gas Operations Camden Project Community Consultative Committee to oversee the environmental performance of the development. The Committee shall continue to be chaired by an independent chairperson approved by the Director-General in consultation with the Applicant, Camden Council, Campbelltown City Council and Wollondilly Shire Council. The Committee shall: (a) have four community representatives residing in the PEL 2 area; (b) have one representative from each of the following Councils: Camden Council, Campbelltown City Council and Wollondilly Shire Council; (c) meet at least quarterly; (d) take minutes of the meeting; and (e) make comments and recommendations about the implementation of the development and environmental management plans, monitor compliance with conditions of this consent and other matters relevant to the operation of the Stage 2 development during the term of the consent. Representatives from relevant government agencies	Compliant	Condition satisfied through the functioning Community Consultative Committee
DA 282-6-2003-i	05.18	Committee's meetings; (b) Provide the Committee with regular information on the environmental performance and management of the development; (c) Ensure that the Committee has reasonable access to the necessary plans to carry out its functions; (d) Consider the recommendations and comments of the Committee and provide a response to the Committee and Director-General; (e) Provide access for site inspections by the Committee; (f) Make the minutes available for public inspection at Camden Council, Campbelltown City Council and Wollondilly Shire Council within fourteen days of the Committee meeting, or as agreed to by the Committee; and (g) Forward a copy of the minutes of each Committee meeting, and any responses to the Committee's recommendations to the Director-General and the DII within	Compliant	Condition satisfied through the functioning Community Consultative Committee

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 282-6-2003-i	05.19	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;; (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 complaints;; (e) any action(s) taken by the Applicant in relation to the complaint, including any follow-up contact with the complainant; and, (f) if no action was taken by the Applicant in relation to the complaint, the reason(s) why no action was taken. . . The Complaints Register shall be made available for inspection by the DECCW or the Director-General upon request. The Applicant shall also make summaries of the register, without details of the	Compliant	Complaints register maintained for the Project. No complaints received during the reporting period.
DA 282-6-2003-i	05.20	nearby residents and appropriate authorities if a leak of mercaptan odourant occurs from the Gas Treatment Plant and/or associated facilities. The Protocol shall detail the circumstances when it will be implemented and describe the procedure and timeframe in which residents and authorities will be notified. The residents and authorities to be notified will be identified in the Protocol. The Applicant shall submit the Community Awareness Protocol to the Director-General for approval one month prior to commissioning of the Gas Treatment Plant.	Compliant	Condition satisfied through implementation of the PIRMP and ERP
DA 282-6-2003-i	07.01	irrespective of the granting of this consent or approval by any other Authority, work is not to commence in, or within a horizontal distance of 40m from the top of the bank of the watercourse/foreshore, without the prior issue of a Part 3A permit by the NOW.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	07.02	prior to the issue of the Part 3A permit the applicant must provide the NOW with the following: * A copy of the development consent including all conditions of approval; * Plans and/or other documentation (3 copies) that satisfy the NOW's General Terms of Approval and recommendations which are included in the consent conditions; and* The appropriate permit fee paid to the NOW.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	07.03	Work is to be carried out in accordance with drawings and any management plans required by these conditions and approved by the NOW that will accompany the 3A permit.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	07.04	Any Part 3A permit issued is to be renewed on an annual basis until all works and all rehabilitation, including maintenance provisions, have been satisfactorily completed in accordance with the permit conditions. Any application for renewal will be lodged at least 1 month prior to the permit expiry date.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	07.05	Work shall not cause unnecessary damage to, or increase erosion or, the stream bed or banks. The permit holder shall carry out any instructions given by the NOW with a view to preventing degradation of the stream bed or banks.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	07.06	Any vegetation or other material removed from the area of works shall be disposed of so that the material cannot be swept back into the stream during a flood.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	07.07	All works proposed must be designed, constructed and operated so they do not cause erosion or sedimentation and to minimise adverse impacts on aquatic and riparian environments.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	07.08	No plastic netting is to be used, for any purpose, in the stream or within the riparian zone unless such netting is of a rapidly biodegradable variety.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	07.09	Before commencing any works, the permit holder must install silt traps prior to any works commencing, and must be maintained for as long as necessary after the completion of works, to prevent sediment and dirty water entering the river system. These measures are to be in accordance with Council's requirements and follow best management practices as outlined in the NSW Department of Housing's "Managing Urban Stormwater: Soils and Construction" (1998) manual (the "Blue Book").	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	07.10	The excavation of soil/spoil and its removal is the responsibility of the permit holder and the owner or occupier of the land.	Compliant	Condition satisfied through implementation of the EMP
DA 282-6-2003-i	07.11	The approval of NSW Fisheries is required for all proposed designs of in-stream works prior to the issue of the Part 3A permit.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	07.12	These conditions are issued with the proviso that operations shall be carried-out on freehold land. Should operations be on Crown Land, these conditions are null and void and the occupier of Crown Land should contact the Department of Lands to obtain landowner's consent.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	07.13	Work is to be carried out in accordance with any conditions imposed by other government agencies, provided such conditions do not conflict with these conditions or the conditions on the Part 3A permit.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	07.14	The permit holder and the owner or occupier of the land are responsible for any works undertaken by any other person or company on this site.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	07.15	The rehabilitation of the area in accordance with the Part 3A permit conditions is the responsibility of the permit holder and the owner or occupier of the land.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	07.16	Any Part 3A permit granted is not transferable to any other person or company without the written approval of the NOW and does not authorise works at any other site.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	07.17	Any Part 3A permit granted does not give the holder the right to occupy any land without the owner(s) consent nor does it relieve the holder of any obligation which may exist to also obtain permission from local government and other authorities who may have some form of control over the site and/or the activities proposed.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	07.18	Work as executed survey plans of a professional standard shall be provided to the NOW upon request.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	07.19	if, in the opinion of a the NOW officer, any activity is being carried out in such a manner that it may unnecessarily degrade the riparian zone, stream, lake or foreshore environment, all work shall cease immediately upon oral or written direction of such officer.	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	07.20	if the permit conditions have been breached, the permit holder shall restore the site in accordance with the permit conditions and/or as directed by the NOW. If any breach of the permit conditions requires a special site inspection by the NOW, then the permit holder shall pay a fee prescribed by the NOW for this inspection and all subsequent breach	Not triggered	Condition not triggered during the reporting period
DA 282-6-2003-i	07.21	If works are to cease prior to completion the NOW must be notified in writing one month in advance of the cessation of the operation.	Not triggered	Condition not triggered during the reporting period
DA 75-4-2005	00	This approval (DA 75-4-2005) shall lapse within 21 years or the date of this consent or on the expiry date of PPL 4, whichever is the shorter period. This Approval was granted on 7 October 2005 and would expire on 7 October 2026. PPL4 was granted on 6 October 2004 and expires on 5 October 2025. Hence, DA 75-4-2005 lapses on the expiry of PPL4.	Compliant	This condition is noted but no action was required during the reporting period
DA 75-4-2005	01	The Applicant shall implement all practicable measures to prevent or minimise any harm to the environment that may result from the construction or operation of the development.	Compliant	Condition satisfied through implementation of the EMP

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 75-4-2005	02	with the:(a) Development Application submitted to the Department on 18 April 2005;(b) "Statement of Environmental Effects – Camden Gas Project, Sugarloaf Farm Drilling Program, PPL4" Sydney Gas (Camden) Operations Pty Ltd, dated March 2005;(c) Letter from Sydney Gas (Camden) Operations Pty Ltd to the Department dated, 15 May 2005, amending the application to include the link between SL6 and RP3;(d) Letter from Sydney Gas (Camden) Operations Pty Ltd to the Department, dated 20 May 2005, amending the application to relocate SL5;(e) Letter from Sydney Gas (Camden) Operations Pty Ltd to the Department, dated 30 May 2005, providing a response to general public submissions;(f) Letter from Sydney Gas (Camden) Operations Pty Ltd to the Department, dated 17 June 2005, about the access roads;(g) Letter from Sydney Gas (Camden) Operations Pty Ltd to the Department of Environment and Conservation, dated 10 June 2005, about Aboriginal heritage issues;(h) Letter from Sydney Gas (Camden) Operations Pty Ltd to the Department, dated 11 July 2005, showing the updated plan of Aboriginal and archaeological assessment areas;(i) Modification Application MOD 29-3-2007 and "Camden Gas Project Joint Venture Gas Well and Gathering Line Modification Project Statement of Environmental Effects", dated March 2007;(j) Modification Application DA 75-4-2005 MOD 2 and letter dated 18 December 2009;(k) EA titled "Spring Farm and Menangle Park Gas Gathering System Modifications – Gasgathering line MP22 to SL02" prepared by AGL Gas Production (Camden) Pty Ltd, and dated 7 December 2010; and(l) conditions of this approval.If there is any inconsistency between the above documents, the latter document shall prevail over the former to the extent of the inconsistency. However, the	Compliant	Condition satisfied through implementation of the EMP
DA 75-4-2005	03	the applicant shall comply with any reasonable requirements or the Director-General arising from the, Department's assessment of., (a) Any reports, plans or correspondence that are submitted in accordance with this consent; and, (b) The implementation of any actions or measures contained in these reports, plans or correspondence.	Compliant	Condition satisfied through preparation and submission of this AEPR
DA 75-4-2005	04	This approval shall lapse within 21 years of the date of this consent or on the expiry date of Petroleum Production Lease No. 4, whichever is the shorter period.	Compliant	This condition is noted but no action was required during the reporting period
DA 75-4-2005	05	Nothing in this consent permits the drilling and operation of any additional wells (beyond the approved 9 wells for gas production).	Not triggered	No action required for this condition during the reporting period
DA 75-4-2005	08	3A Permit under the Rivers and Foreshores Improvement Act 1948, a Licence from the DECCW under the Protection of the Environment Operations Act 1997, and an approval under section 60 of the Heritage Act 1977 from the NSW Heritage Council. Note: The Rivers and Foreshore Improvement Act 1948 applies to the proposed development and therefore any excavation, removal of material from the bank, shore or bed of any stream, estuary or lake, or land within 40 metres from the top of the bank will require a Part 3A Permit.	Not triggered	Condition not triggered during the reporting period
DA 75-4-2005	09	An application must be made to the DECCW under section 90 of the National Parks and Wildlife Act 1974 for approval to destroy the known objects at Sugarloaf Farm Site 1 (Locale 5) and Sugarloaf Farm Site 5.	Not triggered	Condition not triggered during the reporting period
DA 75-4-2005	10	The applicant must, in the opinion of the DECCW be a fit and proper person to hold a Licence under the Protection of the Environment Operations Act 1997, having regard to the matters in section 83 of that	Compliant	EPL 12003 held by AGL throughout the reporting period
DA 75-4-2005	11	the premises for the purposes of the licence under the Protection of the Environment Operations Act 1997, includes the gas gathering system, access roads and gas wells and any associated effluent storages, temporary work areas and infrastructure associated with the gas gathering systems, access roads and gas wells.	Compliant	This condition is noted but no action was required during the reporting period
DA 75-4-2005	12	The premises also applies to the gas well means consisting of the area bounded by the fenced enclosure during gas well operation. During well establishment, the premises have a nominal area of 100 metres X 70 metres and is surrounded by fencing. At various times during well head maintenance, the premises at the gas well head comprises an area of dimensions 25 metres X 25 metres.	Compliant	Condition satisfied through implementation of the EMP
DA 75-4-2005	16	The development must be carried out in a competent manner. This includes: . The processing, handling, movement and storage of materials and substances used to carry out the activity; and, . The treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.	Compliant	Condition satisfied through implementation of the EMP
DA 75-4-2005	17	All plant and equipment installed at the premises or used in connection with the development must be maintained and operated in a proper and efficient condition.	Compliant	Condition satisfied through implementation of the EMP
DA 75-4-2005	18	pressure level (noise) limits presented in the Table below: The limits represent the sound pressure level (noise) contribution, at the nominated receiver locations in the table. . Day is defined as the period from 7.00am to 6.00pm Monday to Saturday and 8.00am to 6.00pm Sundays and Public Holidays. . Evening is defined as the period from 6.00pm to 10.00pm. . Night is defined as the period from 10.00pm to 7.00am Monday to Saturday and 10.00pm to 8.00am Sundays and Public Holidays. . Noise from the site is to be measured at the most affected point within the residential boundary, or at the most affected point within 30 metres of the dwelling where the dwelling is more than 30 metres from the boundary to determine compliance with the noise limits set out in the table. . Noise from the premises is to be measured at 1 metre from the dwelling facade to determine compliance with the LA1 (1 minute) noise level in the table. . Where it can be demonstrated that direct measurement of noise from the premises is impractical, the DECCW may accept alternative means of determining compliance (see Chapter 11 of the NSW Industrial Noise Policy). . The modification factors presented in section 4 of the NSW Industrial Noise Policy shall also be applied to the measured noise level where applicable. . The noise emission limits identified in the table apply under meteorological conditions of wind speed up to 3m/s at 10 metres above ground level, and temperature	Compliant	Condition satisfied through implementation of the EMP
DA 75-4-2005	19	The applicant shall prepare and implement a Construction Noise Management Protocol for construction of the development. The Protocol shall be submitted for the approval of the DECCW and the Director-General at least one week prior to commencement of construction. The Protocol must include but is not limited to: . (a) Compliance with the noise criteria in Condition 18A during all construction activities, when assessed at sensitive locations including residences and schools; . (b) Details of the proposed drill rig focussing on the noise emission characteristics for all phases of well establishment, including percussion drilling, setting and casing, and fracturing; . (c) Identification of sensitive receivers likely to be impacted by noise levels exceeding the noise goal in (a) above; . (d) Details of proposed best practice mitigation measures to seek achieve the noise goal in (a) above; . (e) The consideration of best practice mitigation required in (d) above must include but is not necessarily limited to optimum orientation of drill rigs and temporary barriers; . (f) Community consultation including advance notice of commencement of construction activities and site contact details; . (g) A system to receive, document,	Compliant	Condition satisfied through implementation of the EMP

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 75-4-2005	21	The Applicant shall ensure that all construction work (except for the drilling (including well casing and grouting) of SIS wells), shall only be conducted between 7.00am and 6.00pm Monday to Friday and between 8.00am and 1.00pm Saturdays, unless inaudible at any residential receiver. , , Note: Inaudible means that the construction activity cannot be heard by the human ear at the nearest affected residential receiver.	Not triggered	Condition not triggered during the reporting period
DA 75-4-2005	22	between; (a) 7.00 am to 6.00 pm on weekdays; and, (b) 8.00am and 1.00pm on Saturdays (excluding Public Holidays), , Note: This condition does not apply to the delivery of material outside the hours of operation under condition 21 if that delivery is required by police or other authorities for safety reasons; and /or the operation or personnel or equipment are endangered. In such circumstances, prior notification is to be provided to the DECCW and affected residents as soon as possible, or within a reasonable period in the case of an emergency.	Compliant	Condition satisfied through implementation of the EMP
DA 75-4-2005	23	The Applicant shall ensure that all construction work shall be undertaken to minimise emissions of dust from the site., , Note: The Protection of the Environment Operations Act 1997 states that no offensive odour may be emitted from particular premises unless potentially offensive odours are identified in the Licence and the odours are emitted in accordance with conditions specifically directed at minimising the odours are permitted. Where it is appropriate for a Licence to identify and control odours, conditions for the Licence should be developed in consultation with Air	Compliant	Condition satisfied through implementation of the EMP
DA 75-4-2005	24	except as may be expressly provided by a Licence, the Applicant shall comply with section 120 of the Protection of the Environment Operations Act 1997 during the carrying out of the development., , Note: Section 120 of the Protection of the Environment Operations Act 1997 applies to the disposal of wastewater.	Compliant	Condition satisfied through implementation of the EMP
DA 75-4-2005	26	The Applicant shall ensure that no solid waste or any waste generated outside the site to be received at the site for storage, treatment, processing, reprocessing or disposal or any waste generated at the site to be disposed of at the site, except as expressly permitted by a licence under the Protection of the Environment Operations Act 1997., , Note: this condition only applies to the storage, treatment, processing, reprocessing or disposal of waste at the site if it requires an environment protection licence under the Protection of the Environment Operations Act	Compliant	Condition satisfied through implementation of the EMP
DA 75-4-2005	27	The Applicant must ensure that any hazardous, industrial or Group A waste is assessed and classified in accordance with the DECCW's Environmental Guidelines: "Assessment Classification and Management of Liquid and Non-Liquid Wastes".	Compliant	Condition satisfied through implementation of the EMP
DA 75-4-2005	29	Management System for the development. The plan/system shall be submitted for the approval of the Director-General, at least one month prior to the commissioning of the development, or within such further period as the Director-General may agree. Commissioning shall not commence until the Director-General has approved the plan/system., , (a) Emergency Plan, A comprehensive emergency plan and detailed emergency procedures for the development shall be prepared in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 1, "Industry Emergency Planning Guidelines. " . The plan shall include detailed procedures for the safety of all people outside of the development who may be at risk from the development., (b) Safety Management System, A document setting out a comprehensive safety management system, covering all operations on the gas wells and gathering system shall be developed in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 9, "Safety Management". The document shall clearly specify all safety related procedures, responsibilities and policies, along with details of mechanisms for ensuring adherence to procedures. Records shall be kept on-site and shall be made available for inspection by the Director-General and the independent auditor upon request. In particular records shall be maintained to demonstrate that management of change procedures were followed for the connection of the new gas lines to the existing network and for the integration of the new wells into the automatic control system., , Note: The Applicant may update the current approved version of the relevant study/plan/system prepared to comply with Schedule 4 Condition 92 of development consent DA-282-6-2003-i, dated 16 June	Compliant	Condition satisfied through implementation of the Health and Safety Management Plan
DA 75-4-2005	31	Twelve months after the commencement of operations of the proposed development or within such further period as the Director-General may agree, the Applicant shall carry out a comprehensive hazard audit of the development and within one month of the audit submit a report to the Director-General., , The audit shall be carried out at the Applicant's expense by a duly qualified independent person or team approved by the Director-General prior to commencement of the audit. Further audits shall be carried out every three years or as determined by the Director-General and a report of each audit shall, within one month of the audit, be submitted to the Director-General. Hazard audits shall be carried out in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 5, "Hazard Audit Guidelines", , Note: The Applicant may include the three yearly hazard audit of the development with the Hazard Audit required under Schedule 4 Condition 95 of development consent DA-282-6-2003-i, dated 16 June 2004. The due date for a combined audit	Not triggered	Condition not triggered during the reporting period
DA 75-4-2005	32	The Applicant shall comply with all reasonable requirements of the Director-General in respect of the implementation of any measures arising from recommendations of the studies or reports referred to in Conditions 28 to 31 inclusive, within such time as the Director-General may agree. Note: For the purposes of this consent the reaming and/or additional	Not triggered	Condition not triggered during the reporting period
DA 75-4-2005	33	fracturing of a well does not constitute wellhead maintenance., , The Applicant shall obtain the prior approval of the Director-General for the redrilling and/or additional fracturing of a gas well.	Not triggered	Condition not triggered during the reporting period
DA 75-4-2005	35	The Applicant shall give written notification of the proposed redrilling and/or refracturing work to potentially affected residences and other noise sensitive receivers at least fourteen days prior to work commencing.	Not triggered	Condition not triggered during the reporting period
DA 75-4-2005	37	The Applicant shall ensure that trenches constructed during the construction of gas gathering lines are not left open overnight unless otherwise agreed by the Director-General.	Not triggered	Condition not triggered during the reporting period
DA 75-4-2005	38	gas gathering system pipeline; (a) Signs stating the presence of a buried gas pipeline shall be erected periodically along the length of the trench once the pipeline has been laid; (b) Trenches are to be restored and reseeded with local grass seeds on completion of the work; (c) Construct the gas gathering system so as not to impeach lateral water flows; (d) Ensure that no crown or camber remains along the gas gathering systems, following construction; (e) Design, construct and operate the pipeline in accordance with the Australian Standard for the installation and maintenance of Plastic Pipe Systems for Gas AS 3723-1989 (or its latest version); and, (f) Notify the Department on the completion of any	Not triggered	Condition not triggered during the reporting period
DA 75-4-2005	39	The Applicant shall take all practicable measures to minimise potential flora and fauna impacts of the development.	Compliant	Condition satisfied through implementation of the EMP
DA 75-4-2005	40	The Applicant shall not remove mature trees as part of this development unless otherwise agreed by the Director-General.	Compliant	Condition satisfied through implementation of the EMP

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 75-4-2005	42	The Applicant shall prepare and implement a Weed Management Plan for the site for the life of the development. The Applicant shall submit the Weed Management Plan for the Director-General's approval within one month of the date of this consent.	Compliant	Condition satisfied through implementation of the EMP
DA 75-4-2005	43	The Applicant shall: (a) Ensure that the development is suitably equipped to respond to any fires on the site; and, (b) Assist the Rural Fire Service and emergency services as much as possible if there is a fire on the site.	Compliant	Condition satisfied through implementation of the Health and Safety Management Plan and ERP
DA 75-4-2005	45	The Applicant must ensure that should any historical relics be uncovered, excavation or disturbance of the area is to stop immediately and the Heritage Council of NSW is notified within a reasonable time of the discovery or location of these relics. Archaeological assessment and approval, or endorsement, may be required prior to works continuing in the affected area(s) based on the nature of the discovery.	Compliant	Condition satisfied through implementation of the EMP
DA 75-4-2005	47	The Applicant must ensure that should any Aboriginal objects be uncovered, excavation or disturbance of the area is to stop immediately and the DECCW is to be informed in accordance with section 91 of the National Parks and Wildlife Act 1974.	Compliant	Condition satisfied through implementation of the EMP
DA 75-4-2005	49	The Applicant shall carry out the construction and operation of the development in a manner that will not adversely affect the structural integrity of the Upper Canal and associated structures nor impact the quality of water in the Upper Canal. The Applicant shall be responsible for ensuring that all persons involved in the development are informed of	Compliant	Condition satisfied through implementation of the EMP
DA 75-4-2005	52	The Applicant shall prepare and implement an Operational Environmental Management Plan (OEMP) to provide environmental management practices and procedures to be followed during the operation of the development. The OEMP shall be forwarded to the Director-General for approval within one month of the date of this consent. The OEMP shall include, but not necessarily be limited to: (a) Identification of all statutory and other obligations that the Applicant is required to fulfil in relation to operation of the development, including all consents, licences, approvals and consultations; (b) A description of the roles and responsibilities for all key personnel involved in the operation of the development; (c) The overall environmental policies and principles to be applied to the operation of the development; (d) Standards and performance measures to be applied to the development, and a means by which environmental performance can be periodically reviewed and improved; and, (e) Management policies to ensure that environmental performance goals are met and to comply with conditions of this consent. Note: The Applicant may update the current approved version of the OEMP prepared to comply with Schedule 5 Condition 2 of development consent DA-282-6-2003-i, dated 16 June 2004. The updated version shall	Compliant	Condition satisfied through implementation of the EMP
DA 75-4-2005	53	The Applicant shall provide an annual return to the DECCW in relation to the development as required by any Licence under the Protection of the Environment Operations Act 1997 in relation to the development. In the return the Applicant must report on the annual monitoring undertaken (where the activity results in pollutant discharges), provide a summary of complaints relating to the development, report on compliance with Licence conditions and provide a calculation of licence fees (administrative, fees and where relevant, load based fees) that are	Compliant	Annual Return Report completed and submitted to comply with this condition
DA 75-4-2005	54	during the life of the development, the Applicant shall submit an Annual Environmental Performance Report to the Director-General. This report shall include, but not be limited to: (a) The standards, performance measures and statutory requirements the development is required to comply with; (b) An assessment of the environmental performance of the development to determine whether it is complying with these standards, performance measures, and statutory requirements; (c) Copy of the Complaints Register for the preceding twelve month period and indicating what actions were (or are being) taken to address these complaints; (d) Indication of what actions were taken to address any issue and/or recommendation raised by the Camden Gas Project's Community Consultative Committee; (e) Provision of the detailed results of all the monitoring required by this consent; (f) Identify any non-compliance during the year; (g) Identify any significant trends in the data; and, (h) If any non-compliance is detected, describe what actions and measures would be carried out to ensure compliance, clearly indicating who would carry out these actions and measures, when they would be carried out, and how the effectiveness of these measures would be monitored over time. Note: The Applicant may include the operation of wells SL1 - 9 and the associated gas gathering system and the conditions of this consent, in the Annual Environmental Performance Report required under	Compliant	Condition satisfied through preparation and submission of this AEPR
DA 75-4-2005	55	The Director-General may require the Applicant to address certain matters identified in the Annual Environmental Performance Report. Any action required to be undertaken shall be completed within such period as the Director-General may agree.	Compliant	Condition satisfied through preparation and submission of this AEPR
DA 75-4-2005	56	The Applicant shall also submit a copy of the Annual Environmental Performance Report to the DECCW, Department of Primary Industries and Campbelltown City Council. The Applicant shall make a copy of the Report publicly available.	Compliant	Condition satisfied through preparation and submission of this AEPR
DA 75-4-2005	58	within two years of the date of this consent and every two years thereafter, unless the Director-General directs otherwise, the Applicant shall commission and pay the full costs of an Independent Environmental Audit. The Independent Environmental Audit shall: (a) Be conducted by a suitably qualified, experienced, and independent person(s) whose appointment has been approved by the Director-General; (b) Be consistent with ISO 19011:2002 - Guidelines for Quality and/or Environmental Management Systems Auditing, or updated versions of these guidelines/manuals; (c) Assess the environmental performance of the development, and its effects on the surrounding environment; (d) Assess whether the development is complying with the relevant standards, performance measures, and statutory requirements; (e) Review the adequacy of the Applicant's Environmental Management Plan; and, (f) Recommend measures or actions to improve the environmental performance of the development, and/or its environmental management and monitoring systems. Note: The Applicant may include the operation of wells SL1 - 9 and the associated gas gathering system and the conditions of this consent, in the Independent Environmental Audit	Compliant	Condition satisfied through preparation and submission of the IEA Report
DA 75-4-2005	59	applicant or any employee or agent of the Applicant in relation to pollution arising from any activity of the development. The Register must: (a) Record the date and time of the complaint; (b) Record the method by which the complaint was made; (c) Note any personal details of 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 applicant in relation to the complaint, including any follow-up contact with the complainant; and, (f) State, if no action was taken by the Applicant, the reasons why no action was taken. The record of a complaint must be kept for at least 4 years after the complaint was made, and must be produced to any authorised officer of the DECCW or the Department who	Compliant	Complaints register maintained for the Project. No complaints received during the reporting period.

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 75-4-2005	60	The Applicant must, (a) 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 on the site or by the vehicle or mobile plant, unless otherwise specified in the Licence; and, (b) 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.	Compliant	Condition satisfied through provision of information on the CGP website
DA 75-4-2005	61	The Applicant shall ensure the continuation of the existing Sydney Gas Operations Camden Project Community Consultative Committee to oversee the environmental performance of the development.	Compliant	Condition satisfied through the functioning Community Consultative Committee
DA 9-1-2005	00	This approval (DA 9-1-2005), which was granted on 20 May 2005, is for a period of twenty one (21) years from the granting of the production lease. Production lease here refers to PPL4 which was granted on 6 October 2004. Hence DA 9-1-2005 expires 21 years from 6 October 2004 which is 6 October 2025.	Compliant	This condition is noted but no action was required during the reporting period
DA 9-1-2005	01	The Applicant shall implement all practicable measures to prevent or minimise any harm to the environment that may result from the construction or operation of the development.	Compliant	Condition satisfied through implementation of the EMP
DA 9-1-2005	02	The Applicant shall ensure the continuation of the existing Sydney Gas Operations Camden Project Community Consultative Committee to oversee the environmental performance of the development. with the:(a) DA submitted to the Department on 4 January 2005;(b) "Statement of Environmental Effects – Elizabeth Macarthur Agricultural Institute Horizontal Drilling Project" Sydney Gas Company dated July 2002;(c) "Statement of Environmental Effects – Glenlee Drilling Project Drilling Operations" Sydney Gas Company dated September 2002(d) Letter from Sydney Gas Operations Pty Ltd to the Department dated 13 May 2005, modifying the application to relocate well GL3;(e) The modification application submitted to the Department on 11 April 2006 and the accompanying document "Camden Gas Project Joint Venture Proposed Multiple Gas Well Modifications" prepared by AGL Gas Production (Camden) Pty Ltd and Sydney Gas (Camden) Operations Pty Ltd, dated April 2006;(f) Modification Application MOD 28-3-2007 and "Camden Gas Project Joint Venture Gas Well and Gathering Line Modification Project Statement of Environmental Effects", dated March 2007;(g) letter from AGL Energy Limited to the Department dated 28th May 2010, modifying the application to revise condition 26 of schedule 2; and (h) Conditions of this consent.If there is any inconsistency between the above documents, the latter document shall prevail over the former to the extent of the inconsistency. However, the conditions of this consent	Compliant	Condition satisfied through implementation of the EMP
DA 9-1-2005	03	This approval is for a period of twenty one (21) years from the granting of the production lease.	Compliant	This condition is noted but no action was required during the reporting period
DA 9-1-2005	05	The Applicant shall comply with any reasonable requirements of the Director-General arising from the Department's assessment of: (a) Any reports, plans or correspondence that are submitted in accordance with this consent; and, (b) The implementation of any actions or measures contained in these reports, plans or correspondence.	Compliant	Condition satisfied through preparation and submission of this AEPR
DA 9-1-2005	06	Nothing in this consent permits the drilling and operation of any additional wells (beyond the approved 8 wells for gas production).	Not triggered	No action required for this condition during the reporting period
DA 9-1-2005	11	The Applicant shall identify the need to relocate any gas gathering lines the subject of this consent to ensure an efficient and environmentally sustainable urban outcome, that infrastructure shall be relocated by, and at the cost of the Applicant to the satisfaction of the Director-General, following consultation with Camden Council and Landcom.	Not triggered	No action required for this condition during the reporting period
DA 9-1-2005	12	The Applicant may conduct construction activities on land owned by Waste Service NSW, during the following hours: , Monday to Friday 7.00 am to 6.00 pm; , Saturday and Sunday 7.00 am to 6.00 pm. (Excluding Public Holidays)	Not triggered	Condition not triggered during the reporting period
DA 9-1-2005	13	For development carried out on land not owned by waste service NSW, the Applicant is restricted to the following hours of construction: , Monday to Friday 7.00 am to 6.00 pm; , Saturday 8.00 am to 1.00 pm. (Excluding Public Holidays)	Not triggered	Condition not triggered during the reporting period
DA 9-1-2005	14	The Applicant shall obtain a Part 3A Permit prior to the commencement of construction of any crossing of a stream by the gas gathering line.Note: The Rivers and Foreshore Improvement Act 1948 applies to the proposed development and therefore any excavation, removal of material from the bank, shore or bed of any stream, estuary or lake, or land within 40 metres from the top of the bank will require a Part 3A Permit.	Not triggered	Condition not triggered during the reporting period
DA 9-1-2005	15	Except as may be expressly provided for by a licence under the Protection of the Environment Operations Act 1997 in relation to the development, the Applicant shall comply with section 120 of the Protection of the Environment Operations Act 1997, in carrying out this development. , , Note: Section 120 of the Protection of the Environment Operations Act 1997 applies to the disposal of wastewater.	Compliant	Condition satisfied through implementation of the EMP
DA 9-1-2005	16	The Applicant shall implement all practicable measures to minimise soil erosion and the discharge of sediments and water pollutants from the	Compliant	Condition satisfied through implementation of the EMP
DA 9-1-2005	17	The Applicant shall implement all relevant site drainage and sediment and erosion control works and measures prior to the commencement of any other works at the site.	Compliant	Condition satisfied through implementation of the EMP
DA 9-1-2005	19	The Applicant shall undertake the development in a way that minimises the noise generated by the development.	Compliant	Condition satisfied through implementation of the EMP
DA 9-1-2005	20	The Applicant is required to prepare and implement a Flood Management Plan for the well within the floodplain for the life of the development. The Flood Management Plan will include (and not be limited to) measures to minimise and mitigate flooding impacts. The Applicant shall submit the Flood Management Plan for the Director-General's approval within one month of the date of this consent.	Compliant	Plan completed and submitted to comply with this condition
DA 9-1-2005	22	The Applicant shall ensure that trenches constructed during the construction of gas gathering lines are not left open overnight unless otherwise agreed by the Director-General.	Not triggered	Condition not triggered during the reporting period
DA 9-1-2005	22A	The Applicant shall ensure that during the construction of gas gathering lines, impacts on threatened species are minimised by implementing actions including, but not limited, to the following: (a) The recommendations outlined in Sections 6 and 7 of the Ecosearch Environmental Consultants Pty Ltd report titled "Flora and Fauna Assessment, AGL –Gas Well and Gathering Line Project Modifications"; and, (b) Marking the boundaries of endangered ecological communities (EECs) and locations of other known threatened species and, where possible, avoiding construction activities within these areas.	Not triggered	Condition not triggered during the reporting period
DA 9-1-2005	23	The Applicant shall not remove mature trees as part of this development unless otherwise agreed by the Director-General.	Not triggered	Condition not triggered during the reporting period
DA 9-1-2005	24	The Applicant shall implement best practice flora and fauna management.	Compliant	Condition satisfied through implementation of the EMP
DA 9-1-2005	25	The Applicant shall take all practicable measures to minimise potential flora and fauna impacts of the proposed development.	Compliant	Condition satisfied through implementation of the EMP
DA 9-1-2005	26	The Applicant shall provide landscaping around the well heads using appropriate species in consultation with the land owner.	Compliant	Condition satisfied through implementation of the EMP
DA 9-1-2005	29	The Applicant is required to prepare and implement a weed management Plan for the sites for the life of the development. The Applicant shall submit the Weed Management Plan for the Director-General's approval within one month of the date of this consent.	Compliant	Condition satisfied through implementation of the EMP

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
DA 9-1-2005	32	Management System for the development. The plan/system shall be submitted for the approval of the Director-General, at least one month prior to the commissioning of the development, or within such further period as the Director-General may agree. Commissioning shall not commence until the Director-General has approved the plan/system.(a) Emergency PlanA comprehensive emergency plan and detailed emergency procedures for the development shall be prepared in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 1, "Industry Emergency Planning Guidelines." . The plan shall include detailed procedures for the safety of all people outside of the development who may be at risk from the development.(b) Safety Management SystemA document setting out a comprehensive safety management system, covering all operations on the gas wells and gathering system shall be developed in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 9, "Safety Management". The document shall clearly specify all safety related procedures, responsibilities and policies, along with details of mechanisms for ensuring adherence to procedures. Records shall be kept on-site and shall be made available for inspection by the Director-General upon request. In particular records shall be maintained to demonstrate that management of change procedures were followed for the connection of the new gas lines to the existing network and for the integration of the new wells into the automatic control system.Note: The Applicant may update the current approved version of the relevant study/plan/system prepared to comply with Schedule 4 Condition 92 of development consent DA-282-6-2003-i, dated 16 June 2004. The updated version shall incorporate and	Compliant	Condition satisfied through implementation of the Health and Safety Management Plan and ERP
DA 9-1-2005	34	Twelve months after the commencement of operations of the proposed development or within such further period as the Director-General may agree, the Applicant shall carry out a comprehensive hazard audit of the development and within one month of the audit submit a report to the Director-General. The audit shall be carried out at the Applicant's expense by a duly qualified independent person or team approved by the Director-General prior to commencement of the audit. Further audits shall be carried out every three years or as determined by the Director-General and a report of each audit shall, within one month of the audit, be submitted to the Director-General. Hazard audits shall be carried out in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 5, "Hazard Audit Guidelines"., Note: The Applicant may include the three yearly hazard audit of the development with the Hazard Audit required under Schedule 4 Condition 95 of development consent DA-	Not triggered	Condition not triggered during the reporting period
DA 9-1-2005	35	The Applicant shall comply with all reasonable requirements of the Director-General in respect of the implementation of any measures arising from recommendations of the studies or reports referred to in Conditions 32 to 34 inclusive, within such time as the Director-General may agree.	Not triggered	Condition not triggered during the reporting period
DA 9-1-2005	36	The Applicant shall obtain the prior approval of the Director-General for the drilling, redrilling and/or additional fracturing of a gas well.Note: For the purposes of this consent the redrilling and/or additional fracturing of a well does not constitute wellhead maintenance.	Not triggered	Condition not triggered during the reporting period
DA 9-1-2005	37	The Applicant shall prepare a Drilling and Fracturing Management Plan in consultation with the Department of Primary Industries for the drilling of a well, or redrilling and/or refracturing of an existing well. The Plan shall be submitted to the Director-General no later than one month prior to the commencement of the work or within such period as agreed by the Director-General. The Plan shall include, but not necessarily be limited to: (a) a description of all the activities to be undertaken on the well site during the drilling, redrilling and/or refracturing work; (b) details of how the environmental performance of the work will be monitored and what actions will be taken to address identified adverse environmental impacts; (c) reference to the relevant parts of the Environmental Management Plan required under condition 41; (d) compliance with all the relevant environmental performance requirements of this consent; and (e) arrangements for complaints handling procedures during the	Not triggered	Condition not triggered during the reporting period
DA 9-1-2005	38	The Applicant shall give written notification of the proposed drilling, redrilling and/or refracturing work to potentially affected residences and other noise sensitive receivers at least fourteen days prior to work	Not triggered	Condition not triggered during the reporting period
DA 9-1-2005	41	The Applicant shall prepare and implement an Operational Environmental Management Plan (OEMP) to provide environmental management practices and procedures to be followed during the operation of the development. The OEMP shall be forwarded to the Director-General for approval within one month of the date of this consent. The OEMP shall include, but not necessarily be limited to: (a) identification of all statutory and other obligations that the Applicant is required to fulfil in relation to operation of the development, including all consents, licences, approvals and consultations; (b) a description of the roles and responsibilities for all key personnel involved in the operation of the development; (c) the overall environmental policies and principles to be applied to the operation of the development; (d) standards and performance measures to be applied to the development, and a means by which environmental performance can be periodically reviewed and improved; and (e) management policies to ensure that environmental performance goals are met and to comply with conditions of this consent., Note: The Applicant may update the current approved version of the OEMP prepared to comply with Schedule 5 Condition 2 of development consent DA-282-6-2003-i, dated 16 June 2004. The updated version shall	Compliant	Condition satisfied through implementation of the EMP
DA 9-1-2005	42	The Applicant shall include the operation of wells GCL-4 inclusive, GCL-6, EMAI-1H and EMAI-1V and the associated gas gathering system and the conditions of this consent, in the Annual Environmental Performance Report required under Schedule 5 Condition 5 of development consent DA-282-6-2003-i, dated 16 June 2004.	Compliant	Condition satisfied through preparation and submission of this AEPR
DA 9-1-2005	44	The Applicant shall include the operation of wells GCL-4 inclusive, GCL-6, EMAI-1H and EMAI-1V and the associated gas gathering system, and the conditions of this consent, in the Independent Environmental Audit required under Schedule 5 Condition 10 of development consent DA-282-6-2003-i, dated 16 June 2004.	Compliant	This condition is noted but no action was required during the reporting period
PA 06_0137	00	This approval expires after 22 years from the date of approval or on the expiry of PPL4, whichever occurs sooner. PA 06_0137 was approved on 9 December 2006 and expires on 9 December 2027. PP4 expires on 5 October 2025. Hence, PA 06_0291 expires on the expiry of PPL4, which is 5 October 2025.	Compliant	This condition is noted but no action was required during the reporting period
PA 06_0137	02.01	The Proponent shall implement all practicable measures to prevent or minimise any harm to the environment that may result from the construction or operation of the project.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0137	02.02	the: (a) Project Application 06_0137; (b) EA titled "Environmental Assessment – Camden Gas Project Joint Venture Stage 2 Drilling Program, Razorback Wells (RB03-RB12)", dated 20 July 2006, and prepared, by HLA Envirosciences Pty Ltd; (c) proposed changes to works in the EMAI and Razorback projects contained in a letter from AGL to the Department, dated 23 November 2006; (d) revised Statement of Commitments contained in a letter from AGL to the Department, dated 4 December 2006; and, (e) conditions of this approval.	Compliant	Condition satisfied through implementation of the EMP

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
PA 06_0137	02.03	If there is any inconsistency between the above documents, the latter document shall prevail over the former to the extent of the inconsistency. However, the conditions of this consent shall prevail over all other documents to the extent of any inconsistency.	Compliant	This condition is noted but no action was required during the reporting period
PA 06_0137	02.04	The Proponent shall comply with any reasonable requirements 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.	Compliant	Condition satisfied through preparation and submission of this AEPR
PA 06_0137	02.05	This approval shall lapse 21 years after the date of this approval or on the expiry date of Petroleum Production Lease No. 4, whichever is the sooner.	Compliant	This condition is noted but no action was required during the reporting period
PA 06_0137	02.06	Nothing in this approval permits the drilling and operation of any additional gas wells (beyond the approved 10 wells for gas production).	Not triggered	No action required for this condition during the reporting period
PA 06_0137	02.09	The Proponent shall ensure that all plant and equipment used at the site is: (a) maintained in a proper and efficient condition; and, (b) operated in a proper and efficient condition.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0137	03.01	in Table 1: Notes: • Inaudible means that the construction activity cannot be heard by the human ear at the nearest, affected residential receivers, • This condition does not apply to the delivery of material if that delivery is required by the police, or other authorities for safety reasons; and/or the operation or personnel or equipment is, endangered. In such circumstances, prior notification is to be provided to affected residents, • The Proponent shall use its best endeavours to undertake construction activities to comply with the construction noise goal specified in Table 2.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0137	03.02	The Proponent shall ensure that the noise generated by the project does not exceed the noise impact assessment criteria in Table 3.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0137	03.04	Notes: • Noise from the site is to be measured at the most affected point within the residential boundary, or at the most affected point within 30 metres of the dwelling where the dwelling is more than 30 metres from the boundary, to determine compliance with the identified noise limits, except where otherwise specified below., • Noise from the project is to be measured at 1 metre from the dwelling facade to determine compliance with the LA1 (1 minute) noise level., • Where it can be demonstrated that direct measurement of noise from the project is impractical, alternative means of determining compliance may be acceptable (see Chapter 11 of the NSW Industrial Noise Policy), • The modification factors presented in Section 4 of the NSW Industrial Noise Policy shall also be applied to the measured noise level where applicable., • The identified noise emission limits apply under meteorological conditions of wind speed up to 3m/s at the Proponent shall, to the satisfaction of the Director-General, (a) implement all reasonable and feasible best practice noise mitigation measures; (b) investigate ways to reduce the noise generated by the project; and, (c) report on these investigations and the implementation and effectiveness of these measures in the AEPR.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0137	03.05	The Proponent shall prepare and implement a noise monitoring program for the construction and operation of the project to the satisfaction of the Director-General. The Program shall be submitted to the Director-General prior to construction commencing and shall include a noise monitoring protocol for evaluating compliance with the construction noise goals and the operational noise impact assessment criteria in this approval.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0137	03.06	The Proponent shall implement all practicable measures to minimise dust emissions generated by the construction and operation of the project to the satisfaction of the Director-General.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0137	03.07	The Proponent shall prepare and implement a Soil and Water Management Plan for the project to the satisfaction of the Director-General. The plan shall be submitted to the Director-General prior to commencing construction and shall: (a) be consistent with the requirements in Managing Urban Stormwater: Soils and Construction, Volume 1, 4th Edition, 2004 (Landcom); (b) identify construction and operational activities that could cause soil erosion and generate sediment; (c) describe measures to minimise soil erosion and the potential for the transport of sediment to downstream waters; (d) describe the location, function, and capacity of erosion and sediment control structures for both construction and operation; (e) describe what measures would be implemented to maintain the structures over time; and, (f) describe the procedures that would be followed for planned and unplanned water discharges from the site., , Note: To fulfil this condition, the Proponent may prepare and implement an updated version of the Soil and Water Management Plan prepared under Schedule 4 Condition 84 of the Proponent shall ensure that any waste or wastewater is assessed and classified in accordance with the DEC's Environmental Guidelines: "Assessment Classification and Management of Liquid and Non-Liquid Wastes", and disposed of at a licensed waste disposal facility or as otherwise agreed with the DEC.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0137	03.08	The Proponent shall prepare and implement an emergency plan for the project to the satisfaction of the Director-General. The plan shall be submitted to the Director-General prior to commissioning of the project and shall be prepared in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 1- Industry Emergency Planning Guidelines., , Note: To fulfil this condition the Proponent may prepare and implement an updated version of the Plan prepared under Schedule 4 condition 92(a) development consent DA-282-6-2003-i, dated 16 June	Compliant	Condition satisfied through implementation of the EMP
PA 06_0137	03.09	The Proponent shall prepare and implement a Safety Management System (SMS) for the project, to the satisfaction of the Director-General. The SMS shall be submitted to the Director-General prior to commissioning of the project and shall be prepared in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 9 - Safety Management. The SMS shall: (a) cover all operations on the wells and gas gathering system; (b) clearly specify all safety related procedures, responsibilities and policies, along with details of mechanisms for ensuring adherence to procedures; (c) include a summary of records to demonstrate that management of change procedures were followed for the connection of new gas lines to the existing network and for the integration of new wells into the automatic control system; and, (d) confirm that the design and operation of all wellheads comply with the Department's Locational Guidelines - Development in the Vicinity of Operating Coal Seam Methane Wells (May 2004) for an Automatically Controlled Well (with Separator/Optional Pump) and that all safety related systems required by the guidelines have been included., , Note: To fulfil this condition the Proponent may prepare and implement an updated version of the SMS prepared under Schedule 4 condition 92(b) of development consent DA-	Compliant	Condition satisfied through implementation of the Health and Safety Management Plan and ERP
PA 06_0137	03.10	The Proponent shall prepare and implement a Safety Management System (SMS) for the project, to the satisfaction of the Director-General. The SMS shall be submitted to the Director-General prior to commissioning of the project and shall be prepared in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 9 - Safety Management. The SMS shall: (a) cover all operations on the wells and gas gathering system; (b) clearly specify all safety related procedures, responsibilities and policies, along with details of mechanisms for ensuring adherence to procedures; (c) include a summary of records to demonstrate that management of change procedures were followed for the connection of new gas lines to the existing network and for the integration of new wells into the automatic control system; and, (d) confirm that the design and operation of all wellheads comply with the Department's Locational Guidelines - Development in the Vicinity of Operating Coal Seam Methane Wells (May 2004) for an Automatically Controlled Well (with Separator/Optional Pump) and that all safety related systems required by the guidelines have been included., , Note: To fulfil this condition the Proponent may prepare and implement an updated version of the SMS prepared under Schedule 4 condition 92(b) of development consent DA-	Compliant	Condition satisfied through implementation of the Health and Safety Management Plan and ERP
PA 06_0137	03.11	The Proponent shall prepare and implement a Safety Management System (SMS) for the project, to the satisfaction of the Director-General. The SMS shall be submitted to the Director-General prior to commissioning of the project and shall be prepared in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 9 - Safety Management. The SMS shall: (a) cover all operations on the wells and gas gathering system; (b) clearly specify all safety related procedures, responsibilities and policies, along with details of mechanisms for ensuring adherence to procedures; (c) include a summary of records to demonstrate that management of change procedures were followed for the connection of new gas lines to the existing network and for the integration of new wells into the automatic control system; and, (d) confirm that the design and operation of all wellheads comply with the Department's Locational Guidelines - Development in the Vicinity of Operating Coal Seam Methane Wells (May 2004) for an Automatically Controlled Well (with Separator/Optional Pump) and that all safety related systems required by the guidelines have been included., , Note: To fulfil this condition the Proponent may prepare and implement an updated version of the SMS prepared under Schedule 4 condition 92(b) of development consent DA-	Compliant	Condition satisfied through implementation of the Health and Safety Management Plan and ERP

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
PA 06_0137	03.13	The Proponent shall prepare and implement an Aboriginal Heritage Management Plan for the project, in consultation with the DEC and relevant Aboriginal communities, and to the satisfaction of the Director-General. The plan shall be submitted to the Director-General prior to commencing construction (unless otherwise agreed with the Director-General) and shall include: (a) a description of the measures that would be implemented for the test pit excavation, mapping and salvage or relocation of the archaeological relics on RB5 IF 1, RB5 Site 1, and RB11 IF 2; (b) a description of the measures that would be implemented if any new Aboriginal objects are discovered during the project; and, (c) a protocol for the ongoing consultation and involvement of the Aboriginal communities in the conservation and management of Aboriginal cultural heritage on the site. , , Note: The archaeological site references in conditions 13 are the same as those in the "Aboriginal Archaeological Survey and Assessment Report for Twelve Proposed Gas Production Well Sites, Gathering Systems & Access Routes The Razor Back Property"	Compliant	Condition satisfied through implementation of the EMP
PA 06_0137	03.14	The Proponent shall obtain the prior approval of the Director-General prior to undertaking work involving the redrilling and/or re-fracing of wells approved under this approval. , , Note: For the purposes of this approval the redrilling and/or re-fracing of a well does not constitute wellhead maintenance.	Not triggered	Condition not triggered during the reporting period
PA 06_0137	03.16	The Proponent shall progressively rehabilitate the site to the satisfaction of the Director-General, in a manner that is generally consistent with the landform of the surrounding land.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0137	03.17	The Proponent shall prepare and implement a Rehabilitation Management Plan to the satisfaction of the Director-General. The Plan shall be submitted to the Director-General within 6 months of the date of this approval and shall: (a) identify the areas likely to be disturbed by the project; and, (b) describe the measures that would be implemented to	Compliant	Condition satisfied through implementation of the EMP
PA 06_0137	04.01	The Proponent shall prepare and implement an Operational Environmental Management Plan (OEMP) for the project to the satisfaction of the Director-General. The OEMP shall be submitted to the Director-General prior to commissioning of the project and shall: (a) incorporate the various environmental management plans, monitoring programs and other requirements set out in Schedule 3 of this approval;; (b) identify statutory and other obligations that the Proponent is required to fulfil during the operation of the project;; (c) describe the environmental policies and principles to be applied to the operation of the project;; (d) describe in general how the environmental performance of the project would be monitored and managed;; (e) describe the procedures that would be implemented to: , • keep the local community and relevant agencies informed about the environmental performance of the project;; , • receive, handle, respond to, and record complaints;; , • resolve any disputes that may arise during the course of the project;; , • respond to any non-compliance;; , • manage cumulative impacts; and, • respond to emergencies (including bushfires); and, (f) describe the role, responsibility, authority, and accountability of all the key personnel involved in environmental management of the project. , , Note: To fulfil this condition, the Proponent may prepare and implement an updated version of the OEMP prepared under Schedule 5 condition 2 of	Compliant	Condition satisfied through implementation of the EMP
PA 06_0137	04.02	criteria in this approval or an incident causing (or threatening to cause) material harm to the environment, the Proponent shall report the exceedance/incident to the Department (and any relevant agency). , The report shall: (a) describe the date, time, and nature of the exceedance/incident;; (b) identify the cause (or likely cause) of the exceedance/incident;; (c) describe what action has been taken to date; and, (d) describe the proposed measures to address the exceedance/incident.	Not triggered	Condition not triggered during the reporting period
PA 06_0137	04.03	during the life of the project, the Proponent shall prepare an Annual Environmental Performance Report (AEPR) for the project to the Director-General. , The AEPR shall: (a) identify the standards, performance measures and statutory requirements that apply to the project;; (b) assess the environmental performance of the project to determine whether it is complying with these standards, performance measures, and statutory requirements;; (c) identify any non-compliance during the year with the conditions of this approval or any standard, performance measure or statutory requirement that applies to the project;; (d) describe, if any non-compliance is identified, the actions and measures carried out or being carried out to ensure compliance, clearly indicating who would carry out these actions and measures, when they would be carried out, and how the effectiveness of these measures would be monitored over time;; (e) include a copy of complaints for the year and a description of actions taken or being taken to address registered complaints;; (f) include a discussion of issues or recommendations raised by the Camden Gas Project's Community Consultative Committee and a description of actions taken or, being taken to address these issues or recommendations; and , (g) include a detailed summary of results of all monitoring required by this approval and a discussion of any significant results, trends or exceptions in these results. , , Note: The Proponent may include this report in the Annual Environmental Performance Report required under Schedule 5 condition 5 of development consent DA-282-6-	Compliant	Condition satisfied through preparation and submission of this AEPR
PA 06_0137	04.04	The Proponent shall submit a copy of the AEPR to the DPI, DEC and Council.	Compliant	Condition satisfied through preparation and submission of this AEPR
PA 06_0137	04.05	within 2 years of the date of this approval and every 3 years thereafter, unless the Director-General directs otherwise, the Proponent shall commission and pay the full costs of an Independent Environmental Audit. The Independent Environmental Audit shall: (a) be conducted by a suitably qualified, experienced, and independent person(s) whose appointment has been approved by the Director-General;; (b) be consistent with ISO 19011:2002 - Guidelines for Quality and/or Environmental Management Systems Auditing, or updated versions of these guidelines/manuals;; (c) assess the environmental performance of the project, and its effects on the surrounding environment;; (d) include a hazard audit of the project in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 5, "Hazard Audit Guidelines";, (e) assess whether the project is complying with the relevant standards, performance measures, and statutory requirements;; (f) review the adequacy of the OEMP; and , (g) recommend measures or actions to improve the environmental performance of the project, and/or its environmental management and monitoring systems. , , Note: The Proponent may include audit in the Independent Environmental Audit required under Schedule 5 condition 10 of development consent DA-282-6-2003-i, dated 16 June 2004. The due date for a combined audit shall be	Compliant	Condition satisfied through preparation and submission of the IEA Report
PA 06_0137	04.06	within 1 month of completion of each Independent Environmental Audit, the Proponent shall submit a copy of the audit report to the Director-General, DPI and DEC, with a response to any of the recommendations contained in the audit report.	Compliant	Condition satisfied through preparation and submission of the IEA Report

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
PA 06_0137	04.07	Following each Independent Environmental Audit, the Proponent shall review and if necessary revise the OEMP (and any documents contained in the plan), to the satisfaction of the Director-General. The revised OEMP shall be submitted to the Director-General within 6 months of completing the audit.	Compliant	EMP reviewed and updated during the reporting period
PA 06_0137	04.08	The Proponent shall ensure that the construction and operation of the project is subject to the consideration of the Camden Gas Project Community Consultative Committee, as established under Schedule 5 Condition 17 of development consent DA No. 282-6-2003-I, dated 16 June 2004.	Compliant	Condition satisfied through the functioning Community Consultative Committee
PA 06_0137	04.09	From 22 March 2007, and during the life of the project thereafter, the Proponent shall place a copy of the following documents and information (and any subsequent revisions) required under this approval on its website: (a) all current environmental management plans, strategies and programs; (b) all Independent Environmental Audits; (c) all AEPRs; and (d) a summary of all environmental monitoring results required under this consent (to be updated at least every 6 months).	Compliant	Condition satisfied through provision of information on the CGP website
PA 06_0138	00	According to schedule 2, condition 2 of this approval, the approval shall lapse 21 years after the date of this approval or on the expiry date of PPL1 or PPL4, whichever is the sooner. This Approval lapses on 2027. PPL1 expires on 1 September 2023. PPL4 expires on 5 October 2025. The earlier expiry of the three licences is PPL 1 on 1 September 2023. Hence, this Approval expires on that date.	Compliant	This condition is noted but no action was required during the reporting period
PA 06_0138	02.02	The Proponent shall carry out the project generally in accordance with the: (a) Project Application 06_0138; (b) EA titled "Environmental Assessment – Camden Gas Project Joint Venture Stage 2 Drilling Program, Elizabeth Macarthur Agricultural Institute Wells (EM23-EM36)", dated 20 July 2006, and prepared by HLA Envirosciences Pty Ltd; (c) EM32 and EM34 Additional Noise Assessment contained in a letter from AGL to the Department, dated 26 September 2006; (d) proposed changes to works in the EMAI and Razorback projects contained in a letter from AGL to the Department, dated 23 November 2006; (e) raptor breeding seasons and revised Statement of Commitments contained in a letter from AGL to the Department, dated 4 December 2006; (f) modification application (06_0138 Mod 1) titled "EM37 Well Modification Project Environmental Assessment", dated 21 March 2007; (g) letter concerning EM32 from AGL Gas Production (Camden) Pty Limited to the	Compliant	Condition satisfied through implementation of the EMP
PA 06_0138	2.01	The Proponent shall implement all practicable measures to prevent or minimise any harm to the environment that may result from the construction or operation of the project.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0138	2.03	If there is any inconsistency between the above documents, the latter document shall prevail over the former to the extent of the inconsistency. However, the conditions of this consent shall prevail over all other documents to the extent of any inconsistency.	Not triggered	No action required for this condition during the reporting period
PA 06_0138	2.04	The Proponent shall comply with any reasonable requirements of the Director-General arising from the Department's assessment of: (a) any reports, plans, programs or correspondence that are submitted in accordance with this approval; and (b) the implementation of any actions or measures contained in these reports, plans, programs or	Compliant	Condition satisfied through preparation and submission of this AEPR
PA 06_0138	2.05	This approval shall lapse 21 years after the date of this approval or on the expiry date of Petroleum Production Lease No. 1 or Petroleum Production Lease No. 4, whichever is the sooner.	Compliant	This condition is noted but no action was required during the reporting period
PA 06_0138	2.06	Nothing in this approval permits the drilling and operation of any additional gas wells (beyond the approved 15 wells for gas production).	Not triggered	Condition not triggered during the reporting period
PA 06_0138	2.09	The Proponent shall ensure that all plant and equipment used at the site is: (a) maintained in a proper and efficient condition; and (b) operated in a proper and efficient condition.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0138	3.02	The Proponent shall use its best endeavours to undertake construction activities to comply with the construction noise goals specified in Table 2.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0138	3.03	Management Plan for construction of the project to the satisfaction of the Director-General. The plan shall be submitted to the Director-General prior to construction commencing and shall include: (a) a detailed description of the measures that would be implemented to achieve the construction noise goals in condition 2; (b) a community notification protocol for the proposed construction activities (including any re-drilling or re-fracing of wells); (c) a description of the measures that would be implemented where the construction noise goals in condition 2 are unlikely to be achieved or are not being achieved; and (d) details of who would be responsible for monitoring, reviewing and implementing the	Compliant	Condition satisfied through implementation of the EMP
PA 06_0138	3.04	The Proponent shall ensure that the noise generated by the project does not exceed the noise impact assessment criteria in Table 3. Table 3: Noise Impact Assessment Criteria dB(A) Notes: • Noise from the site is to be measured at the most affected point within the residential boundary, or at the most affected point within 30 metres of the dwelling where the dwelling is more than 30 metres from the boundary, to determine compliance with the identified noise limits, except where otherwise specified below. • Noise from the project is to be measured at 1 metre from the dwelling facade to determine compliance with the LA1 (1 minute) noise level. • Where it can be demonstrated that direct measurement of noise from the project is impractical, alternative means of determining compliance may be acceptable (see Chapter 11 of the NSW Industrial Noise Policy). • The modification factors presented in Section 4 of the NSW Industrial Noise Policy shall also be applied to the measured noise level where applicable. • The identified noise emission limits apply under meteorological conditions of wind speed up to 3m/s at	Compliant	Condition satisfied through implementation of the EMP
PA 06_0138	3.05	The Proponent shall, to the satisfaction of the Director-General: (a) implement all reasonable and feasible best practice noise mitigation measures; (b) investigate ways to reduce the noise generated by the project; and (c) report on these investigations and the implementation and effectiveness of these measures in the AEPR.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0138	3.06	The Proponent shall prepare and implement a Noise Monitoring Program for the construction and operation of the project. The programs shall be submitted to the Director-General prior to construction commencing. This is a general condition to be complied with as and when required. Hence, no specific completion date is required. However, it is presumed that this conditions had already been completed.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0138	3.07	The Proponent shall implement all practicable measures to minimise dust emissions generated by the construction and operation of the project to the satisfaction of the Director-General.	Compliant	Condition satisfied through implementation of the EMP

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
PA 06_0138	3.08	The Proponent shall prepare and implement a Soil and Water Management Plan for the project to the satisfaction of the Director-General. The plan shall be submitted to the Director-General prior to construction commencing and shall: (a) be consistent with the requirements in Managing Urban Stormwater: Soils and Construction, Volume 1, 4th Edition, 2004 (Landcom); (b) identify construction and operational activities that could cause soil erosion and generate sediment; (c) describe measures to minimise soil erosion and the potential for the transport of sediment to downstream waters; (d) describe the location, function, and capacity of erosion and sediment control structures for both construction and operation; (e) describe what measures would be implemented to maintain the structures over time; and (f) describe the procedures that would be followed for planned and unplanned water discharges from the site. Note: To fulfil this condition, the Proponent may prepare and implement an updated version of the Soil and Water Management Plan prepared under Schedule 4 Condition 84 of	Compliant	Condition satisfied through implementation of the EMP
PA 06_0138	3.09	wells EM34 and EM35 located within the 1 in 100 year flood level, to the satisfaction of the Director-General. The plan shall be submitted to the Director-General prior to commissioning of wells EM34 and EM35, and shall include measures to minimise and mitigate flooding impacts associated with the project. Note: To fulfil this condition, the Proponent may prepare and implement an updated version of the Flood Management Plan prepared under Schedule 3 condition 12 of development consent DA-171-7-2005i, dated 25 March 2006.	Compliant	Plan completed and submitted to comply with this condition
PA 06_0138	3.10	The Proponent shall ensure that any waste or wastewater is assessed and classified in accordance with the DEC's Environmental Guidelines: "Assessment Classification and Management of Liquid and Non-Liquid Wastes", and disposed of at a licensed waste disposal facility or as otherwise agreed with the EPA.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0138	3.11	The Proponent shall prepare and implement an Emergency Plan for the project to the satisfaction of the Director-General. The plan shall be submitted to the Director-General prior to commissioning of the project and shall be prepared in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 1 - Industry Emergency Planning Guidelines., Note: To fulfil this condition the Proponent may prepare and implement an updated version of the Plan prepared under Schedule 4 condition 92(a) development consent DA-282-6-2003-i, dated 16 June	Compliant	Condition satisfied through implementation of the Health and Safety Management Plan and ERP
PA 06_0138	3.12	The Proponent shall prepare and implement a Safety Management System (SMS) for the project, to the satisfaction of the Director-General. The SMS shall be submitted to the Director-General prior to commissioning of the project and shall be prepared in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 9 - Safety Management. The SMS shall: (a) cover all operations on the wells and gas gathering system; (b) clearly specify all safety related procedures, responsibilities and policies, along with details of mechanisms for ensuring adherence to procedures; (c) include a summary of records to demonstrate that management of change procedures were followed for the connection of new gas lines to the existing network and for the integration of new wells into the automatic control system; and (d) confirm that the design and operation of all wells comply with the Department's Locational Guidelines Development in the Vicinity of Operating Coal Seam Methane Wells (May 2004) for an Automatically Controlled Well (with Separator/Optional Pump) and that all safety related systems required by the guidelines have been included., Note: To fulfil this condition the Proponent may prepare and implement an updated version of the SMS prepared under Schedule 4 condition 92(b) of development consent DA-282-6-2003-i, dated 16 June	Compliant	Condition satisfied through implementation of the Health and Safety Management Plan and ERP
PA 06_0138	3.14	The Proponent shall only undertake drilling and tracing of EM23, EM27, EM33 and EM36, and construction of gas gathering lines and access roads located within the raptor zones outside of the recognised breeding season (June to January) of raptor species nesting in the EMAI's raptor zones.	Not triggered	Condition not triggered during the reporting period
PA 06_0138	3.15	The Proponent shall prepare and implement an Aboriginal Heritage Management Plan for the project, in consultation with the DEC and relevant Aboriginal communities, and to the satisfaction of the Director-General. The plan shall be submitted to the Director-General prior to commencing construction (or as otherwise agreed by the Director-General) and shall include: (a) a description of the measures that would be implemented for the mapping, and salvage or relocation of the archaeological relics on EMAI Sites 1, 2, 4, 5, 6, and 7; CP OS 3; and IF 1 and IF 2; (b) a description of the measures that would be implemented if any new Aboriginal objects are discovered during the project; and (c) a protocol for the ongoing consultation and involvement of the Aboriginal communities in the conservation and management of Aboriginal cultural heritage on the site., Note: The archaeological site references in condition 15 are the same as those in the "Aboriginal Cultural Heritage Survey and Assessment Report for Fifteen New Proposed Gas Production Well Sites, Gathering Systems & Access Routes Camden Gas Project Stage 2 The Elizabeth Macarthur, Agricultural Institute Property" prepared by Dominic	Compliant	Condition satisfied through implementation of the EMP
PA 06_0138	3.16	The Proponent shall obtain the approval of the Director-General prior to undertaking work involving the redrilling and/or re-fracturing of wells approved under this approval., Note: For the purposes of this approval the redrilling and/or re-fracturing of a well does not constitute wellhead	Not triggered	Condition not triggered during the reporting period
PA 06_0138	3.18	The Proponent shall progressively rehabilitate the site to the satisfaction of the Director-General, in a manner that is generally consistent with the landform of the surrounding land.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0138	3.19	The Proponent shall prepare and implement a Rehabilitation Management Plan to the satisfaction of the Director-General. The Plan shall be submitted to the Director-General within 6 months of the date of this approval and shall: (a) identify the areas likely to be disturbed by the project; and (b) describe the measures that would be implemented to	Compliant	Condition satisfied through implementation of the EMP
PA 06_0138	4.01	Environmental Management Plan (OEMP) for the project to the satisfaction of the Director-General. The OEMP shall be submitted to the Director-General prior to commissioning of the project and shall: (a) incorporate the various environmental management plans, monitoring programs and other requirements set out in Schedule 3 of this approval; (b) identify statutory and other obligations that the Proponent is required to fulfil during the operation of the project; (c) describe the environmental policies and principles to be applied to the operation of the project; (d) describe in general how the environmental performance of the project would be monitored and managed; (e) describe the procedures that would be implemented to: • keep the local community and relevant agencies informed about the environmental performance of the project; • receive, handle, respond to, and record complaints; • resolve any disputes that may arise during the course of the project; • respond to any non-compliance; • manage cumulative impacts; and • respond to emergencies (including bushfires); and (f) describe the role, responsibility, authority, and accountability of all the key personnel involved in environmental management of the project., Note: To fulfil this condition, the Proponent may prepare and implement an updated version of the OEMP prepared under Schedule 5 condition 2 of	Compliant	Condition satisfied through implementation of the EMP

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
PA 06_0138	4.02	criteria in this approval or an incident causing (or threatening to cause) material harm to the environment, the Proponent shall report the exceedance/incident to the Department (and any relevant agency). , The report shall: (a) describe the date, time, and nature of the exceedance/incident;; (b) identify the cause (or likely cause) of the exceedance/incident;; (c) describe what action has been taken to date; and, (d) describe the proposed measures to address the exceedance/incident.	Not triggered	Condition not triggered during the reporting period
PA 06_0138	4.03	during the life of the project, the Proponent shall prepare an Annual Environmental Performance Report (AEPR) for the project to the satisfaction of the Director-General. The AEPR shall: (a) identify the standards, performance measures and statutory requirements that apply to the project;; (b) assess the environmental performance of the project to determine whether it is complying with these standards, performance measures, and statutory requirements;; (c) identify any non-compliance during the year with the conditions of this approval or any standard, performance measure or statutory requirement that applies to the project;; (d) describe, if any non-compliance is identified, the actions and measures carried out or being carried out to ensure compliance, clearly indicating who would carry out these actions and measures, when they would be carried out, and how the effectiveness of these measures would be monitored over time;; (e) include a copy of complaints for the year and a description of actions taken or being taken to address registered complaints;; (f) include a discussion of issues or recommendations raised by the Camden Gas Project's Community Consultative Committee and a description of actions taken or being taken to address these issues or recommendations; and, (g) include a detailed summary of results of all monitoring required by this approval and a discussion of any significant results, trends or exceptions in these results., , Note: The Proponent may include this report in the Annual Environmental Performance Report required under Schedule 5 condition 5 of development consent DA-282-6-2003-i, dated 16 June 2004. The due date for a combined report shall be	Compliant	Condition satisfied through preparation and submission of this AEPR
PA 06_0138	4.04	The Proponent shall submit a copy of the AEPR to the DPI, DEC and Council.	Compliant	Condition satisfied through preparation and submission of this AEPR
PA 06_0138	4.05	within 2 years of the date of this approval, and every 3 years thereafter, unless the Director-General directs otherwise, the Proponent shall commission and pay the full costs of an Independent Environmental Audit. The Independent Environmental Audit shall: (a) be conducted by a suitably qualified, experienced, and independent person(s) whose appointment has been approved by the Director-General;; (b) be consistent with ISO 19011:2002 - Guidelines for Quality and/or Environmental Management Systems Auditing, or updated versions of these guidelines/manuals;; (c) assess the environmental performance of the project, and its effects on the surrounding environment;; (d) include a hazard audit of the project in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 5, "Hazard Audit Guidelines"; , (e) assess whether the project is complying with the relevant standards, performance measures and statutory requirements;; (f) review the adequacy of the OEMP; and , (g) recommend measures or actions to improve the environmental performance of the project, and/or its environmental management and monitoring systems., , Note: The Proponent may include this audit in the Independent Environmental Audit required under Schedule 5 condition 10 of development consent DA-282-6-2003-i, dated 16 June 2004. The due date for a combined audit shall be	Compliant	Condition satisfied through preparation and submission of the IEA Report
PA 06_0138	4.06	within 1 month of completion of each Independent Environmental Audit, the Proponent shall submit a copy of the audit report to the Director-General, DPI and DEC, with a response to any of the recommendations contained in the audit report.	Not triggered	Condition not triggered during the reporting period
PA 06_0138	4.07	Following each Independent Environmental Audit, the Proponent shall review and if necessary revise the OEMP (and any documents contained in the plan), to the satisfaction of the Director-General. The revised OEMP shall be submitted to the Director-General within 6 months of completing the audit.	Compliant	EMP reviewed and updated during the reporting period
PA 06_0138	4.08	The Proponent shall ensure that the construction and operation of the project is subject to the consideration of the Camden Gas Project Community Consultative Committee, as established under Schedule 5 condition 17 of development consent DA No. 282-6-2003-I, dated 16 June 2004.	Compliant	Condition satisfied through the functioning Community Consultative Committee
PA 06_0138	4.09	From 31 March 2007, and during the life of the project thereafter, the Proponent shall place a copy of the following documents and information (and any subsequent revisions) required under this approval on its website: (a) OEMP;; (b) all Independent Environmental Audits;; (c) all AEPRs; and, (d) a summary of all environmental monitoring results required under this consent (to be updated at least every 6 months).	Compliant	Condition satisfied through provision of information on the CGP website
PA 06_0291	00	This approval shall lapse 21 years after the date of this approval or on the expiry date of Petroleum Production Lease No.4 or Petroleum Production Lease No.5, whichever is the sooner. PPL4 expires on 5 October 2025, which is the sooner date. Hence, this Approval will lapse on 5 October	Compliant	This condition is noted but no action was required during the reporting period
PA 06_0291	02.01	The Proponent shall implement all practicable measures to prevent or minimise any harm to the environment that may result from the construction or operation of the project.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0291	02.02	the: (a) Project Application 06_0291; (b) EA titled "Environmental Assessment – Expansion of Stage 2 of the Camden Gas Project Stage 2 Concept Area Spring Farm Project Area Menangle Park Project Area", Volume 1 and 2 prepared by ENSR Australia Pty Ltd, and dated September 2007; (c) Submissions Report prepared by ENSR Australia Pty Ltd, and dated December 2007; (d) Statement of Commitments; and (e) EA titled "Spring Farm and Menangle Park Gas Gathering System Modifications – Gas gathering line MP06 to MP11 and MP11 to MP23 (via MP19)" prepared by AGL Gas Production (Camden) Pty Ltd, and dated 7 December 2010; (f) EA titled "Spring Farm and Menangle Park Gas Gathering System Modifications – Gas gathering line MP03 to MP05" prepared by AGL Gas Production (Camden) Pty Ltd, and dated 24 November 2010; and (g) EA titled "Spring Farm and Menangle Park Gas Gathering System Modifications – Gas gathering line MP22 to SL02" prepared by AGL Gas Production (Camden) Pty Ltd, and dated 7 December 2010; (h) Modification Application MP 06_0291 MOD 3 and supporting letter/report headed "Proposed Modification to Project Approval	Compliant	Condition satisfied through implementation of the EMP
PA 06_0291	02.03	if there is any inconsistency between the above documents, the latter document shall prevail over the former to the extent of the inconsistency. However, the conditions of this consent shall prevail over all other documents to the extent of any inconsistency.	Not triggered	No action required for this condition during the reporting period
PA 06_0291	02.03A	within 3 months of any modification to this Approval, the Proponent shall review and if necessary, revise all management and monitoring strategies, plans and programs required under this approval which are relevant to the modification to the satisfaction of the Director-General.	Not triggered	No action required for this condition during the reporting period

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
PA 06_0291	02.04	The Proponent shall comply with any reasonable requirements of the Director-General arising from the Department's assessment of: (a) any reports, plans, programs or correspondence that are submitted in accordance with this approval; and, (b) the implementation of any actions or measures contained in these reports, plans, programs or	Compliant	Condition satisfied through preparation and submission of this AEPR
PA 06_0291	02.05	This approval shall lapse 21 years after the date of this approval or on the expiry date of Petroleum Production Lease No.4 or Petroleum Production Lease No.5, whichever is the sooner.	Compliant	This condition is noted but no action was required during the reporting period
PA 06_0291	02.06	Nothing in this approval permits the drilling and operation of more than 4 well surface locations in Spring Farm and more than 12 well surface locations in Menangle Park.	Not triggered	Condition not triggered during the reporting period
PA 06_0291	02.07	This approval permits the drilling of well surface locations SF04A, SF10, SF17 and SF20 in Spring Farm. The Proponent shall not drill well surface location SF04.	Not triggered	No action required for this condition during the reporting period
PA 06_0291	02.08	This approval permits the drilling of well surface locations MP02, MP03, MP04, MP05, MP06, MP11, MP19, MP21, MP22, MP23, MP24 and MP33 in Menangle Park.	Not triggered	No action required for this condition during the reporting period
PA 06_0291	02.09	The Proponent shall not drill more than 6 co-located wells within each well surface location.	Not triggered	No action required for this condition during the reporting period
PA 06_0291	02.14	(a) repair, or pay all reasonable costs associated with repairing public infrastructure that is damaged by the project; and (b) relocate, or pay all reasonable costs associated with relocating public infrastructure that needs to be relocated as a result of the project. Where agreement is not reached with the owner on the cost of repairs, the Director-General shall determine the amount considered reasonable.	Not triggered	No action required for this condition during the reporting period
PA 06_0291	02.15	The Proponent shall ensure that all plant and equipment used at the site is: (a) maintained in a proper and efficient condition; and	Compliant	Condition satisfied through implementation of the EMP
PA 06_0291	03.02	Proponent shall comply with the construction and maintenance hours in Table 1: Notes: Inaudible means that the construction activity cannot be heard by the human ear at the nearest affected residential receivers. This condition does not apply to the delivery of material if that delivery is required by the police or other authorities for safety reasons; and/or the operation or personnel or equipment is endangered. In such circumstances, prior notification is to be provided to affected residents. The Proponent shall use its best endeavours to undertake construction activities to comply with the construction noise goals specified in Table 2.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0291	03.03	Note: See notes to condition 5	Compliant	Condition satisfied through implementation of the EMP
PA 06_0291	03.04	Management Plan for construction of the project to the satisfaction of the Director-General. The plan shall be submitted to the Director-General prior to construction commencing and shall include: (a) a detailed description of the measures that would be implemented to achieve the construction noise goals in condition 3; (b) a community notification protocol for the proposed construction activities (including any redrilling or re-fracing of wells); (c) a description of the measures that would be implemented where the construction noise goals in condition 3 are unlikely to be achieved or are not being achieved; and (d) details of who would be responsible for monitoring, reviewing and implementing the plan.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0291	03.05	The Proponent shall ensure that the noise generated by the project does not exceed the noise impact assessment criteria in Table 3. Notes: - Noise from the site is to be measured at the most affected point within the residential boundary, or at the most affected point within 30 metres of the dwelling where the dwelling is more than 30 metres from the boundary, to determine compliance with the identified noise limits, except where otherwise specified below. - Where it can be demonstrated that direct measurement of noise from the project is impractical, alternative means of determining compliance may be acceptable (see Chapter 11 of the NSW Industrial Noise Policy). - The modification factors presented in Section 4 of the NSW Industrial Noise Policy shall also be applied to the measured noise level where applicable. - The identified noise emission limits apply under meteorological conditions of wind speed up to 3m/s at 10 metres above ground level, and temperature inversion conditions. - As the area develops the background noise may change. At the Proponent shall, to the satisfaction of the Director-General,	Compliant	Condition satisfied through implementation of the EMP
PA 06_0291	03.06	(a) implement all reasonable and feasible best practice noise mitigation measures; (b) investigate ways to reduce the noise generated by the project; and (c) report on these investigations and the implementation and effectiveness of these measures in the AEMR.	Compliant	Condition satisfied through preparation and submission of this AEPR
PA 06_0291	03.07	The Proponent shall prepare and implement a noise monitoring program for the construction and operation of the project to the satisfaction of the Director-General. The Program shall be submitted to the Director-General prior to construction commencing and shall include a noise monitoring protocol for evaluating compliance with the construction noise goals and the operational noise impact assessment criteria in this approval.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0291	03.08	The Proponent shall prepare and implement all practicable measures to minimise dust emissions generated by the construction and operation of the project to the satisfaction of the Director-General.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0291	03.09	The Proponent shall prepare and implement a Soil and Water Management Plan for the project to the satisfaction of the Director-General. The plan shall be submitted to the Director-General prior to construction commencing and shall: (a) be consistent with the requirements in Managing Urban Stormwater: Soils and Construction, Volume 1, 4th Edition, 2004 (Landcom); (b) identify construction and operational activities that could cause soil erosion and generate sediment; (c) describe measures to minimise soil erosion and the potential for the transport of sediment to downstream waters; (d) describe the location, function, and capacity of erosion and sediment control structures for both construction and operation; (e) describe what measures would be implemented to maintain the structures over time; and (f) describe the procedures that would be followed for planned and	Compliant	Condition satisfied through implementation of the EMP
PA 06_0291	03.11	Should the future urban development of the Spring Farm and Menangle Park urban release areas identify the need to relocate any gas gathering lines the subject of this approval, that infrastructure shall be relocated by, and at the cost of the Proponent to the satisfaction of the Director-General, following consultation with the relevant council and/or landowner. The requirement to relocate at the cost of the Proponent shall be limited to one occasion.	Compliant	This condition is noted but no action was required during the reporting period

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
PA 06_0291	03.12	The Proponent shall prepare and implement a Flood Management Plan for well surface locations within the 1 in 100 year flood level, to the satisfaction of the Director-General. The plan shall be submitted to the Director-General prior to commissioning of the wells and shall include measures to minimise and mitigate flooding impacts associated with the	Compliant	Plan completed and submitted to comply with this condition
PA 06_0291	03.13	The Proponent shall ensure that any waste or wastewater (including drips and drill formation waters) is assessed and classified in accordance with the OEH's Environmental Guidelines: "Assessment Classification and Management of Liquid and Non-Liquid Wastes", and disposed of at a licensed waste disposal facility or as otherwise agreed with the OEH.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0291	03.14	The Proponent shall prepare and implement an Emergency Plan for the project to the satisfaction of the Director-General. The plan shall be submitted to the Director-General prior to commissioning of the project and shall be prepared in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 1 - Industry Emergency Planning	Compliant	Condition satisfied through implementation of the Health and Safety Management Plan and ERP
PA 06_0291	03.15	The Proponent shall prepare and implement a Safety Management System (SMS) for the project, to the satisfaction of the Director-General. The SMS shall be submitted to the Director-General prior to commissioning of the project and shall be prepared in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 9 - Safety Management. The SMS shall: (a) cover all operations on the wells and gas gathering system; (b) clearly specify all safety related procedures, responsibilities and policies, along with details of mechanisms for ensuring adherence to procedures; (c) include a summary of records to demonstrate that management of change procedures were followed for the connection of new gas lines to the existing network and for the integration of new wells into the automatic control system; and (d) confirm that the design and operation of all wells comply with the Department's Locational Guidelines - Development in the Vicinity of Operating Coal Seam Methane Wells (May 2004) or the Quantitative Risk Assessment carried out by Planager Pty Ltd (dated 19 September 2007) and that all safety related systems required	Compliant	Condition satisfied through implementation of the Health and Safety Management Plan and ERP
PA 06_0291	03.17	The Proponent shall progressively rehabilitate the site to the satisfaction of the Director-General, in a manner that is generally consistent with the landform of the surrounding land.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0291	03.18	The Proponent shall prepare and implement a Landscape and Rehabilitation Management Plan for each well surface location, to the satisfaction of the Director-General. This Plan must: (a) be prepared in consultation with the landowner by suitably qualified experts; (b) be submitted to the Director-General for approval prior to commissioning; (c) describe in detail the short, medium and long term measures that would be implemented to: rehabilitate the site; implement planting of native vegetation; manage the remnant vegetation and habitat on the site; and landscape the site to mitigate visual impacts of the project; (d) include a description of what measures would be implemented to rehabilitate the site; and	Compliant	Condition satisfied through implementation of the EMP
PA 06_0291	03.19	The Proponent shall consult with the landowner in the selection of fencing and other materials to be used for landscaping, to the satisfaction of the Director-General.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0291	03.20	Management Plan for each well surface location, in consultation with the OEH and relevant Aboriginal communities, and to the satisfaction of the Director-General. The plan shall be submitted to the Director-General prior to construction commencing at each well surface location (or as otherwise agreed by the Director-General) and shall include: (a) a description of the measures that would be implemented for the mapping, and salvage or relocation of archaeological relics; (b) a description of the measures that would be implemented if any new Aboriginal objects are discovered during the project; and (c) a protocol for the ongoing consultation and involvement of the Aboriginal communities in the conservation and management of Aboriginal cultural heritage on the site.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0291	03.21	The Proponent shall ensure that the location of wells or other infrastructure avoid or minimise any impacts on the heritage significance of any State Heritage listed items in the project area.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0291	03.24	The Proponent shall give written notification of planned maintenance activities (including well workover) to landowners, potentially affected residences and identified noise sensitive receivers at least 14 days prior to work commencing. The notification is to include: (a) information explaining the maintenance procedures to be undertaken; (b) an estimate of the length of works at each site; (c) contact details for a representative of the Proponent; and (d) information regarding a 24-hour telephone contact number.	Compliant	Condition satisfied through provision of information on the CGP website and mail notifications to potentially affected residence.
PA 06_0291	03.25	The Proponent shall obtain the approval of the Director-General prior to undertaking work involving the redrilling and/or re-fracing of wells approved under this approval. Note: For the purposes of this approval the redrilling and/or re-fracing of a well does not constitute wellhead (workover) maintenance.	Not triggered	Condition not triggered during the reporting period
PA 06_0291	03.26	The Proponent may satisfy conditions 7, 9, 12, 14, 15, 18, 20 and 22 in Schedule 3 of this approval by demonstrating to the satisfaction of the Director-General that existing equivalent documentation has been appropriately updated to reflect the expansion of Stage 2 of the Camden Gas Project.	Compliant	Condition satisfied through implementation of the EMP
PA 06_0291	04.01	The Proponent shall prepare and implement an Environmental Management Plan (EMP) for the construction and operation of the project to the satisfaction of the Director-General. The EMP shall be submitted to the Director-General prior to construction of the project and shall: (a) incorporate the various environmental management plans, monitoring programs and other requirements set out in Schedule 3 of this approval; (b) identify statutory and other obligations that the Proponent is required to fulfil during the construction and operation of the project; (c) describe the environmental policies and principles to be applied to the project; (d) describe in general how the environmental performance of the project would be monitored and managed; (e) describe the procedures that would be implemented to: · keep the local community and relevant agencies informed about the environmental performance of the project; · receive, handle, respond to, and record complaints; · resolve disputes that may arise during the course of the project; · respond to any non-compliance; · manage cumulative impacts; and · respond to emergencies (including bushfires); and (f) describe the role, responsibility, authority, and	Compliant	Condition satisfied through implementation of the EMP
PA 06_0291	04.02	criteria in this approval or an incident causing (or threatening to cause) material harm to the environment, the Proponent shall report the exceedance/incident to the Department (and any relevant agency). The report shall: (a) describe the date, time, and nature of the exceedance/incident; (b) identify the cause (or likely cause) of the exceedance/incident; (c) describe what action has been taken to date; and (d) describe the proposed measures to address the	Not triggered	Condition not triggered during the reporting period

Development Consent/ Project Approval	Condition Number	Condition Description	Compliance Status	Summary of actions completed in reporting period
PA 06_0291	04.03	during the life of the project, the Proponent shall prepare an Annual Environmental Management Report (AEMR) for the project to the satisfaction of the Director-General. The AEMR shall: (a) identify the standards, performance measures and statutory requirements that apply to the project; (b) assess the environmental performance of the project to determine whether it is complying with these standards, performance measures, and statutory requirements; (c) identify any non-compliance during the year with the conditions of this approval or any standard, performance measure or statutory requirement that applies to the project; (d) describe, if any non-compliance is identified, the actions and measures carried out or being carried out to ensure compliance, clearly indicating who would carry out these actions and measures, when they would be carried out, and how the effectiveness of these measures would be monitored over time; (e) include a copy of complaints for the year and a description of actions taken or being taken to address registered complaints; (f) include a discussion of issues or recommendations raised by the CCC and a description of actions taken or being taken to address these issues or recommendations; and (g) include a detailed summary of results of all monitoring required by this approval and a discussion of any significant results, trends or	Compliant	Condition satisfied through preparation and submission of this AEPR
PA 06_0291	04.04	The Proponent shall submit a copy of the AEMR to the OER, OEH, Camden Council and Campbelltown City Council.	Compliant	Condition satisfied through preparation and submission of this AEPR
PA 06_0291	04.05	Within 2 years of the date of this approval, and every 3 years thereafter, unless the Director-General directs otherwise, the Proponent shall commission and pay the full costs of an Independent Environmental Audit. The Independent Environmental Audit shall: (a) be conducted by a suitably qualified, experienced, and independent person(s) whose appointment has been approved by the Director-General; (b) be consistent with ISO 19011:2002 - Guidelines for Quality and/or Environmental Management Systems Auditing, or updated versions of these guidelines/manuals; (c) assess the environmental performance of the project, and its effects on the surrounding environment; (d) include a hazard audit of the project in accordance with the Department's Hazardous Industry Planning Advisory Paper No.5, "Hazard Audit Guidelines"; (e) assess whether the project is complying with the relevant standards, performance measures and statutory requirements; (f) review the adequacy of the EMP; and (g) recommend measures or actions to	Compliant	Condition satisfied through preparation and submission of the IEA Report
PA 06_0291	04.06	Within 3 months of completion of each Independent Environmental Audit, the Proponent shall submit a copy of the audit report to the Director-General, OER and OEH, with a response to any of the recommendations contained in the audit report.	Compliant	Condition satisfied through preparation and submission of the IEA Report
PA 06_0291	04.07	Following each Independent Environmental Audit, the Proponent shall review and if necessary revise the EMP (and any documents contained in the plan), to the satisfaction of the Director-General. The revised EMP shall be submitted to the Director-General within 6 months of completing the audit.	Compliant	EMP reviewed and updated during the reporting period
PA 06_0291	04.08	The Proponent shall ensure that the construction and operation of the project is subject to the consideration of the Camden Gas Project's CCC, as established under Schedule 5 condition 17 of development consent DA No. 282-6-2003-1, dated 16 June 2004.	Compliant	Condition satisfied through the functioning Community Consultative Committee
PA 06_0291	04.09	Under this approval (or any subsequent revision of these plans/strategies/programs), or the completion of the audits or AEMR required under this approval, the Proponent shall: (a) provide a copy of the relevant document(s) to the relevant agencies and the CCC; and (b) ensure that a copy of the relevant document(s) is made publicly available on its website.	Compliant	Condition satisfied through provision of information on the CGP website
PA 06_0291	04.10	During the project, the Proponent shall: (a) make a summary of all environmental monitoring results required under this approval publicly available on the website; and (b) update these results on a regular basis (at least every 6 months), or as required.	Compliant	Condition satisfied through provision of information on the CGP website
PA 06_0291	04.11	The Proponent may satisfy conditions 1, 3 and 5 in Schedule 4 of this approval by demonstrating to the satisfaction of the Director-General that existing equivalent documentation has been appropriately updated to reflect the expansion of Stage 2 of the Camden Gas Project.	Compliant	Report completed and submitted to comply with this condition