



**AGL UPSTREAM INVESTMENTS PTY LTD
ROSALIND PARK GAS PLANT
Monthly Continuous Air Monitoring Report**

Reporting Period: September 2018

AGL Upstream Investments Pty Ltd

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Foreword

PREMISES	Rosalind Park Gas Plant Lot 35 Medhurst Road GILEAD NSW 2560
LICENCE DETAILS	<u>Environment Protection Licence 12003</u>
LICENCEE	AGL Upstream Investments Pty Limited
LICENCEE'S ADDRESS	Locked Bag 3013, Australia Square, NSW 1215
REPORTING PERIOD	01 September 2018 to 30 September 2018
DATE of MONITORING	Continuous
OBTAINED DATA DATE	16 October 2018
REPORT DATE	17 October 2018
REPORT PREPARED BY	Aaron Clifton Environment Business Partner

SUMMARY OF ACTIVITY

Rosalind Park Gas Plant, located approximately 60km south west of Sydney, is a natural gas processing and treatment plant, used to process coal seam natural gas from the Camden Gas Project.

Produced natural gas is cleaned, dehydrated, compressed and odourised before being measured and transported by pipeline about 500 metres into the nearby Moomba to Sydney Natural Gas Pipeline. The premises are covered by Environment Protection Licence 12003 which includes all gas wells, gas gathering, reticulation systems, trunk lines and associated effluent storage areas and work areas of the Camden Gas Project.



This Monitoring Report relates to those air monitoring activities specified in Part 5, Monitoring and Recording Conditions, of Environment Protection Licence (EPL) 12003. The Licence conditions stipulate air monitoring is required to be carried out at the locations, at the frequency and using the test methods as set out in the tables below.

This report sets out the results of continuous monitoring summarized on a monthly basis. A separate report is issued for quarterly monitoring.

This report is prepared in accordance with the *Requirements for Publishing Pollution Monitoring Data* (EPA, October, 2013) (**Publication Requirements**).

AIR MONITORING LOCATIONS

Point	Location	Monitoring Frequency #
1	Exhaust Stack 1 on Compression Engine 1	Continuous

Monitoring is only undertaken when the compression engines are running.

AIR MONITORING TEST METHODS – POINT 1

Parameter	NSW EPA Test Method (Sampling Method)	Reference Method
Oxides of Nitrogen	CEM-2	USEPA Performance Specification 2
Temperature	TM-2	USEPA Method 2
Moisture content	Method approved by EPA in writing	Calibration by reference to TM-22
Volumetric Flow Rate	CEM-6	USEPA Performance Specification 6
Oxygen	CEM-3	USEPA Performance Specification 3

USEPA Method refers to the US Environmental Protection Agency 2000, Code of Federal Regulations, Title 40, Part 60, Appendix A Methods.

USEPA Performance Specification refers to the US Environmental Protection Agency 2000, Code of Federal Regulations, Title 40, Part 60, Appendix B, Performance Specifications.

Air Monitoring Results

Continuous monitoring results are based on test results obtained over a one-hour averaging period as set out in Schedule 5 of the *Protection of the Environment Operations (Clean Air) Regulation 2010 (NSW)*.

Monitoring Point	Description	Pollutant	Units of measure	Oxygen correction	Sampling method	Monitoring frequency required by licence	Number of times measured during sampling period	Minimum value	Average value	Maximum value	Concentration Limit
1	Compressor Engine 1	Oxides of Nitrogen (as NO ₂ equivalent)	Milligrams per cubic metre	7% oxygen	CEM-2	Continuous	Compressor Engine 1 operated from 01-30 September 2018.	98	272	382	461
		Temperature	Degrees Celsius		TM-2	Continuous		See Note 1.	341	352	363
		Moisture	Percent		Method approved by EPA	Continuous	5.8		6.8	7.7	Not applicable
		Volumetric flow rate	Cubic metres per second		CEM-6	Continuous	2.8		2.9	3.0	Not applicable
		Oxygen	Percent		CEM-3	Continuous	10.3	10.8	11.2	Not applicable	



Notes:

1. In accordance with Section 3.4.1 of the EPA Publication Requirements, the following data points have not been included for Monitoring Point 1 (Compressor #1 exhaust stack) as AGL knows that the data has been unable to be collected or is incorrect.

Date	Approximate total hours	Pollutant	Justification
04 September 2018	5	Oxides of Nitrogen, Moisture	Data unable to be collected due to CEMS maintenance.
06 September 2018	2	Moisture, Oxides of Nitrogen, Temperature, Volumetric Flowrate, Oxygen	Data unable to be collected due to frozen readings
21 September 2018	5	Oxides of Nitrogen, Moisture	Data unable to be collected due to CEMS maintenance.
21 September 2018	1	Oxides of Nitrogen, Moisture	Data unable to be collected due to light levels stabilizing.