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

Reporting Period: April 2019

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Foreword

PREMISES	Rosalind Park Gas Plant Lot 35 Medhurst Road GILEAD NSW 2560
LICENCE DETAILS	Environment Protection Licence 12003
LICENCEE	AGL Upstream Investments Pty Limited
LICENCEE'S ADDRESS	Locked Bag 3013, Australia Square, NSW 1215
REPORTING PERIOD	01 April 2019 to 30 April 2019
DATE of MONITORING	Continuous
OBTAINED DATA DATE	14 May 2019 (Ecotech Report DAT14511 Rev 2)
REPORT DATE	20 May 2019
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 engine is 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 05-06 and 08-30 April 2019. See Note 1.	285	348	392	461
		Temperature	Degrees Celsius		TM-2	Continuous		331	347	353	Not applicable
		Moisture	Percent		Method approved by EPA	Continuous		5.8	6.9	7.8	Not applicable
		Volumetric flow rate	Cubic metres per second		CEM-6	Continuous		2.9	2.9	3.0	Not applicable
		Oxygen	Percent		CEM-3	Continuous		11.1	11.4	11.8	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
05 April 2019	1	Oxides of Nitrogen, Moisture	Data unable to be collected due to light levels stabilising.
11 April 2019	1	Moisture	Data unable to be collected due to light levels stabilising.
18 April 2019	3	Moisture	Data unable to be collected due to light levels stabilising.
30 April 2019	1	Oxides of Nitrogen, Moisture, Temperature, Volumetric flowrate	Data unable to be collected due to light levels stabilising.
05-06 and 08-30 April 2019	-	Volumetric flowrate	Where stack pressure data was not available to calculate volumetric flowrate, a value of 101.2kPa was substituted in the stack flow calculation.