

Permit Number: EPR/AP3033HY

Operator: Grays Biogas Limited

Facility: Mona Anaerobic Digestion Plant

Form Number: WaterUsage1 / 01/06/16

Reporting of Water Usage for the year 2016

Water Source	Usage (m ³ /year)	Specific Usage (m ³ /unit output)
Potable Water Use	403.537	
Non-potable Water Use	Nil	
TOTAL WATER USAGE	403.537	

Operator's comments :

Site not operating at present

Signed 
(Authorised to sign as representative of Operator)

Date 31/01/19

Permit Number: EPR/AP3033HY

Operator: Grays Biogas Limited

Facility: Mona Anaerobic Digestion Plant

Form Number: Energy1 / 01/06/16

Reporting of Energy Usage for the year 2016

Energy Source	Energy Usage Quantity	Primary Energy (MWh)	Specific Usage (MWh/unit output)
Electricity	208.00MWh		
Natural Gas	0MWh		
TOTAL	- 208.00 MWh		

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments :

Site not operating at present

Signed
(Authorised to sign as representative of Operator)

Date..... 31/01/19

Permit Number: EPR/AP3033HY

Operator: Grays Biogas Limited

Facility: Mona Anaerobic Digestion Plant

Form Number: Performance1 / 01/06/16

Reporting of other performance indicators for the period 01/01/2018 to 31/12/2018

Parameter	Units
Biogas Produced by the AD facility	No gas meter in process m ³
Liquid digestate produced	19,545.60 m ³
Solid digestate produced	1,986.48 tonnes
Total amount of waste treated	10,572.550 tonnes
Total amount of biomass treated	21,182.474 tonnes
Power Output	11,749.53 MWh
Energy Efficiency	40% (Theoretical)
Electrical energy exported to the grid	10,555.10 MWh
Electrical energy drawn from the grid	208.00 MWh
Operational time of the flare	1.97% of operational time

Operator's comments :

Site not operating at present

Signed 
(Authorised to sign as representative of Operator)

Date 31/01/19

Permit Number: EPR/AP3033HY

Operator: Grays Biogas Limited

Facility: Mona Anaerobic Digestion Plant

Form Number: Air1 / 01/06/16

Reporting of emissions to air for the period from DD/MM/2016 to DD/MM/2016

Emission Point	Substance / Parameter	Emission		Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value						
A1	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	500 mg/m ³	Hourly Average	371	BS EN 14792		06/04/2018 09:19-10:19	
A1	Sulphur dioxide	350 mg/m ³	Hourly Average	1.1	BS EN 14791		06/04/2018 09:19-10:19	
A1	Carbon monoxide (CO)	1400 mg/m ³	Hourly Average	626	BS EN 15058		06/04/2018 09:19-10:19	
A1	Total VOC's	1000 mg/m ³	Hourly Average	858	BS EN 12619:1999 or BS EN 13529:2002 depending on concentration		06/04/2018 09:19-10:19	
A1	nm- VOC's	75mg/m ³	Hourly Average	Nil	BS EN 13649:2002			
A2	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	150 mg/m ³	Hourly Average	Nil	BS EN 14792			

Emission Point	Substance / Parameter	Emission		Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value						
A2	Total VOC's	10 mg/m ³		Hourly Average	Nil	BS EN 12619:1999 or BS EN 13529:2002		
A2	Carbon monoxide (CO)	50 mg/m ³		Hourly Average	Nil	BS EN 15058		

- [1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed Date
 31/01/19
 (Authorised to sign as representative of Operator)