

Permit Number: EPR/AB3191FR Operator: Agrivert South Wales Ltd
 Facility: Stormy Down AD Facility Form Number: Performance 1 / 01/01/2018

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

Parameter	Units
Power Output – Electrical	MWh
Energy Efficiency	MWh/m ³ biogas
Electrical energy exported to the grid	MWh
Electrical energy drawn from the grid	MWh
Operational time of the flare	% of operational time
Amount of biogas combusted in the CHP unit per day	m ³ day
Annual amount of biogas produced by the AD facility	m ³
Total amount of waste treated	Tonnes

Operator's comments :
 - Increase in solid and liquid waste tonnage to site in 2018 with more council waste contracts secured

Signed *Shane Fallos* Date: *23/01/19*
 (Authorised to sign as representative of Operator)

Permit Number: EPR/RAB3191FR

Operator: Agrivert South Wales Ltd

Facility: Stormy Down AD Facility

Form Number: Energy1 / 01/01/2018

Reporting of Energy Usage for the year 2018

Energy Source	Energy Usage Quantity	Primary Energy (MWh)	Specific Usage (MWh/unit output)
Electricity *	MWh	5.34	5.34
Natural Gas	MWh	N/A	N/A
TOTAL	-	5.34	5.34

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments :

Signed 
(Authorised to sign as representative of Operator)

Date: 23/01/19

Permit Number: EPR/AB3191FR

Operator: Agrivert South Wales Ltd

Facility: Stormy Down AD Facility

Form Number: WaterUsage1 / 01/01/2018

Reporting of Water Usage for the year 2018

Water Source	Usage (m ³ /Year)	Specific Usage (m ³ /unit-output)
Mains water	506.7	
Borehole water	3278	
TOTAL WATER USAGE	3,784.7	

Operator's comments :
- Borehole water has been used for the biofilter scrubber unit, pressure washing of delivery waste vehicles and reception building floor and site
- Mains water has been used in the welfare cabins

Signed *Paul Fellen*
(authorised to sign as representative of Operator)

Date: 23/01/19

Permit Number: EPR/AB3191FR

Operator: Agrivert South Wales Ltd

Facility: Stormy Down AD Facility

Form Number: Air1 / 01/01/2018

Reporting of emissions to air for the period from 01/01/2018 to 31/12/2018

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
A1	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	500 mg/m ³	Hourly Mean	520	Monitoring methods used shall be in accordance with Environment Agency document "Technical Guidance Note M2 Monitoring of stack emissions to air".	04/07/18 11:06 - 12:06	± 24
				23.7		11	± 1.6
				40.25		11	0.1 to 0.6
A1	Non-methane VOC's	75 mg/m ³	Hourly Mean	1344	Monitoring methods used shall be in accordance with Environment Agency document "Technical Guidance Note M2 Monitoring of stack emissions to air".	11	± 42
A1	VOC as Total Organic Carbon (TOC)	1000 mg/m ³		1351		11	± 54
A2	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	500 mg/m ³	Hourly Mean	507	Monitoring methods used shall be in accordance with Environment Agency document "Technical Guidance Note M2 Monitoring of stack emissions to air".	04/07/18 12:19 - 13:19	± 21
A2	Sulphur dioxide	350 mg/m ³		18.1		11	± 1.2
A2	Non-methane VOC's	75 mg/m ³	Hourly Mean	40.25	Monitoring methods used shall be in accordance with Environment Agency document "Technical Guidance Note M2 Monitoring of stack emissions to air".	11	0.1 to 0.6

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
A2	VOC as Total Organic Carbon (TOC)	1000 mg/m ³		1337	Guidance Note M2 Monitoring of stack emissions to air ³ .	04/07/18 12:19-13:19	+ 42
	Carbon Monoxide	1400 mg/m ³		1306		"	± 53

- [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 *Shirley Walker*
 (Authorised to sign as representative of Operator)

Date: 23/01/19