

Permit Number: **EPR/ZP3939GL**

Operator: **Western Bio-Energy Limited**

Facility: **Western Wood Energy Plant - Margam**

Form Number: **Air 2** (Periodic Monitoring)

Reporting of emissions to air for the period from: 01/01/2021 to 31/06/2021

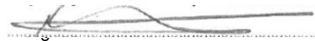
Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result	Sample date and times	Test Method ^[3]	Uncertainty
A1	Particulate Matter	15 mg/m ³	Average over monitoring period - Periodic sample over a minimum 1 hour period (0.79	11/05/21 (12:42-13:46)	EN 13284-1 & and MID for EN 13284-1	47%
A1	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	300 mg/m ³	Average over monitoring period - Periodic sample over a minimum 1 hour period	256	13/05/21 (11:45-15:45)	EN 14792	2%
A1	Carbon monoxide (CO)	250 mg/m ³	Average over monitoring period - Periodic sample over a minimum 1 hour period	74.21	13/05/21 (11:45-15:45)	EN 15058	2%
A1	Ammonia (NH ₃)	10 mg/m ³	Periodic sample over a minimum 1 hour period	0.05	11/05/21 (14:56-16:00)	EN ISO 21877	14%
A1	Nitrous oxide (N ₂ O)	No Limit Set	Periodic sample over a minimum 1 hour period	0.25	13/05/21 (16:00-17:00)	EN ISO 21258	11%
A1	Sulphur dioxide (SO ₂)	No Limit Set	Periodic sample over a minimum 4 hour period	27.58	13/05/21 (11:45-15:45)	EN 14791	3%
A1	Hydrogen Chloride (HCl)	No Limit Set	Periodic sample over a minimum 1 hour period	102.76	11/05/21 (12:42-13:46)	EN 1911	14%
A1	Cadmium & thallium and their compounds (total)	No Limit Set	Periodic sample over a minimum 30 minute, maximum 8 hour period	0.00088	13/05/21 (11:35-12:40)	EN 14385 and MID for EN 14385	5%
A1	Mercury and its compounds	No Limit Set	Periodic sample over a minimum 30 minute, maximum 8 hour period	0.00097	13/05/21 (11:35-12:40)	EN 13211	8%
A1	Metals (Sb, As, Pb, Cr, Co, Cu, Mn, Ni and V and their compounds (total))	No Limit Set	Periodic sample over a minimum 30 minute, maximum 8 hour period	0.08700	13/05/21 (11:35-12:40)	EN 14385 and MID for EN 14385	4%
A1	Dioxins / furans (I-TEQ) - ng/m ³ *	No Limit Set	Periodic sample over a minimum 6 hour, maximum 8 hour period	0.26*	12/05/21 (09:20 – 17:06)	EN 1948: Parts 1, 2 and 3 & MID for EN 1948	13%

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.

2) For non-continuous measurements the date and time of the sample that produced the result is given.

3) The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

4) Periodic monitoring shall be performed when the boiler is operating at a minimum MCR of 60% and when a typical combination of virgin and non-virgin biomass fuel is being combusted in the unit.


 (Authorised on behalf of Western Bio-Energy Limited)

Date ...22/06/2021