Environmental Compliance Limited

Celsa Manufacturing (UK) Ltd
Permit No : EPR BV0767
Variation No : ...
Report Ref : P4782 : R004

Installation Name : Sections Mill A1 Reheat Furnace
Visit Details : Quarter 4 Compliance - 2021
Survey Dates : 5th October 2021
Report Issue Date : 17th November 2021

1.1 Monitoring Results

Emission Point Reference	Substance to be Monitored	Emission Limit Value	Periodic Monitoring Result	Units	Uncertainty %	Reference Conditions 273 K, 101.3 kPa	Date of Sampling	Start and End Times	Monitoring Method Reference	Accreditation Claimed For Test Result	Tick if non-conforming test (see Section 2	Operating Status
A1 – Sections Mill (Reheat Furnace)	Volumetric Flowrate	...	63.22345	m³/sec	4	Stack Conditions	05/10/2021	12:00 – 12:15	BS EN 16911-1:2013 & MID	UKAS / MCERTS	✓	Normal
	Volumetric Flowrate	...	47.14993	m³/sec	5	& Wet Gas			BS EN 16911-1:2013 & MID	UKAS / MCERTS	✓	
	Volumetric Flowrate	...	8.58777	m³/sec	21	Dry & 3% O_2			BS EN 16911-1:2013 & MID	UKAS / MCERTS	✓	
	Particulates $	...	0.93	mg/m³	44	& Wet Gas		12:40 – 13:40	Based on BSEN 13284-1:2017	NU	✓	
	Oxides of Nitrogen (as NO_2)	400	232.51	mg/m³	2	Dry & 3% O2		11:30 – 15:30	BS EN 14792: 2017	UKAS / MCERTS		
	Carbon Monoxide	...	63.45	mg/m³	2				BS EN 15058: 2017	UKAS / MCERTS		
	Sulphur Dioxide (Horiba)	100	5.80	mg/m³	3				CEN / TS 17021:2017	UKAS / MCERTS		
	Oxygen (Zirconia Cell)	...	9.93	%	3				BS EN 14789: 2017	UKAS / MCERTS		

The volumetric flowrate shown above is that from the initial pitot traverse .
Any other flow measurements made during isokinetic sampling and/ or repeat traverses are shown later in the tables section.

Notes

The uncertainty figures presented in Table 1.1 for NO_x, CO, SO_2 & O_2 are "measurement uncertainty" figures, which do not take into account the variability of the measured sample values. The "uncertainty of measurement results" figures, which do include this contribution, are presented in the appendices of the report for these determinands.

Emission Limit Value	The emission limit value is that stated in the permit and will be expressed as a concentration or a mass emission.
Periodic Monitoring Result	The result given is expressed in the same terms and units as the emission limit value.
Uncertainty	The uncertainty associated with the quoted result is at the 95% confidence interval. The Uncertainty results **DO NOT** take into account the effect of the sample location limitations.
Reference Conditions	All results are expressed at 273 K and 101.3kPa. The oxygen and moisture corrections are stated.
Monitoring Method Reference	The method stated is in accordance with the Environment Agency Technical Guidance Note M2, or other method approved by the Environment Agency.
Accreditation for use of Method	**The details indicate the accreditation for the use of the complete monitoring method, e.g. MCERTs, UKAS. If use of the method is not accredited " NA" is stated.**
Operating Status	The details indicate the feedstock and the loading rate of the plant during monitoring.
$	Chemical Analysis on sample reagents was performed by an External Laboratory as detailed in Section 4
NU	UKAS Accreditation Held but UKAS Accreditation cannot be claimed for the test as sampling did not comply with the Standard Reference Method (SRM), see section 2 & 5
NA	**Method is NOT UKAS Accredited.**