

Permit Reference Number: VP3339PD

Operator: Morganite Electrical Carbon Ltd

Installation: Electrical Carbon Swansea

Form Number: A1

Reporting of Emissions to Air for the period from January '20 to December '20; July '20 to September '20

Emissions to Air							
Emission Point	Substance / Parameter	Emission Limit Value (mg/m ³)	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/Certification ^[4]	Uncertainty (mg/m ³) ^[5]
A10	Lead	2	0.051	BS EN 14385:2004	10:55 – 11:57; 22/01/2020	UKAS/MCERTS	0.051
A10	Copper	2	0.585	BS EN 14385:2004	10:55 – 11:57; 22/01/2020	UKAS/MCERTS	0.085
A10	Antimony	2	0.001	BS EN 14385:2004	10:55 – 11:57; 22/01/2020	UKAS/MCERTS	0.0001
A10	Lead	2	0.030	BS EN 14385:2004	09:14 – 10:16; 28/04/2020	UKAS/MCERTS	0.003
A10	Copper	2	1.34	BS EN 14385:2004	09:14 – 10:16; 28/04/2020	UKAS/MCERTS	0.15
A10	Antimony	2	0.001	BS EN 14385:2004	09:14 – 10:16; 28/04/2020	UKAS/MCERTS	0.0001
A10	Lead	2	0.006	BS EN 14385:2004	09:05 – 10:05; 29/07/2020	UKAS/MCERTS	0.0006
A10	Copper	2	0.570	BS EN 14385:2004	09:05 – 10:05; 29/07/2020	UKAS/MCERTS	0.0534
A10	Antimony	2	0.001	BS EN 14385:2004	09:05 – 10:05; 29/07/2020	UKAS/MCERTS	0.0001
A10	Lead	2		BS EN 14385:2004		UKAS/MCERTS	
A10	Copper	2		BS EN 14385:2004		UKAS/MCERTS	
A10	Antimony	2		BS EN 14385:2004		UKAS/MCERTS	
A27	Sulphur dioxide	2900	340.5	BS ISO 7935:1992	14:00 – 14:00; 27-28/07/2020	UKAS/MCERTS	12.2
A28	Sulphur dioxide	2900	225.4	BS ISO 7935:1992	14:33 – 15:34; 28-29/07/2020	UKAS/MCERTS	8.6
A61	Sulphur dioxide	2900	341.0	BS ISO 7935:1992	17:00 – 17:00; 29-30/07/2020	UKAS/MCERTS	10.1
A27	Oxides of nitrogen (as NO ₂)	150	111.3	BS ISO 14792:2005	14:00 – 14:00; 27-28/07/2020	UKAS/MCERTS	20.7
A28	Oxides of nitrogen (as NO ₂)	150	152.1#	BS ISO 14792:2005	14:33 – 15:34; 28-29/07/2020	UKAS/MCERTS	40.0
A61	Oxides of nitrogen (as NO ₂)	150	89.5	BS ISO 14792:2005	17:00 – 17:00; 29-30/07/2020	UKAS/MCERTS	17.2
A27	Benzo(a)pyrene (BaP)	0.01	0.000156	BS ISO 11338:2003	08:52 – 12:52; 28/07/2020	UKAS/MCERTS	0.000032
A28	Benzo(a)Pyrene (BaP)	0.01	0.000044	BS ISO 11338:2003	10:25 – 14:27; 29/07/2020	UKAS/MCERTS	0.000009
A61	Benzo(a)Pyrene (BaP)	0.01	0.000042	BS ISO 11338:2003	08:55 – 12:57; 30/07/2020	UKAS/MCERTS	0.000009
A10	Total particulate	5	3.1	BS ISO 13284:2002	09:45 – 10:47; 22/01/2020	UKAS/MCERTS	0.66
A15	Total particulate	5		BS ISO 13284:2002		UKAS/MCERTS	
A19	Total particulate	5	2.81	BS ISO 13284:2002	09:03 – 10:03; 31/07/2020	UKAS/MCERTS	0.74
A27	Total particulate	10	25.3*	BS ISO 13284:2002	13:00 – 14:00; 28/07/2020	UKAS/MCERTS	1.5

A28	Total particulate	10	26.6*	BS ISO 13284:2002	14:33 – 15:34; 29/07/2020	UKAS/MCERTS	1.6
A61	Total particulate	10	10.2#	BS ISO 13284:2002	13:05 – 14:06; 30/07/2020	UKAS/MCERTS	0.74

- Results reported as Approach to Limit (ATL) as within the measured uncertainty. Schedule A submitted on 28/08/2020. To be re-monitored by end Q4 2020.

* - Results reported as Emissions Limit breach. Schedule A submitted on 28/08/2020. To be re-monitored by end Q4 2020.

[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 the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. 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 accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

[5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated. The following uncertainties are quoted on a different basis (basis as stated) – {The basis of any other uncertainty figure needs to be stated. Where no figure is available the Agency will need to agree an appropriate uncertainty value.}

Signed*Mark Williamson*.....
 (Authorised to sign as representative of the Operator)

Date...08/09/2020.....