

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 '21 to December '21;

October '21 to December '21

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	0.0097	BS EN 14385:2004	09:21 – 10:25; 24/02/2021	UKAS/MCERTS	0.0014
A10	Copper	2	1.16	BS EN 14385:2004	09:21 – 10:25; 24/02/2021	UKAS/MCERTS	0.17
A10	Antimony	2	0.00054	BS EN 14385:2004	09:21 – 10:25; 24/02/2021	UKAS/MCERTS	0.00008
A10	Lead	2	0.094	BS EN 14385:2004	12:12 – 13:14; 20/04/2021	UKAS/MCERTS	0.394
A10	Copper	2	2.388	BS EN 14385:2004	12:12 – 13:14; 20/04/2021	UKAS/MCERTS	0.015
A10	Antimony	2	0.003	BS EN 14385:2004	12:12 – 13:14; 20/04/2021	UKAS/MCERTS	0.0005
A10	Lead	2	0.076	BS EN 14385:2004	09:30 – 10:32; 07/07/2021	UKAS/MCERTS	0.0085
A10	Copper	2	0.591	BS EN 14385:2004	09:30 – 10:32; 07/07/2021	UKAS/MCERTS	0.0660
A10	Antimony	2	<0.001	BS EN 14385:2004	09:30 – 10:32; 07/07/2021	UKAS/MCERTS	0.0001
A10	Lead	2	0.022	BS EN 14385:2004	10:25 – 11:28; 12/10/2021	UKAS/MCERTS	0.003
A10	Copper	2	1.29	BS EN 14385:2004	10:25 – 11:28; 12/10/2021	UKAS/MCERTS	0.201
A10	Antimony	2	0.008	BS EN 14385:2004	10:25 – 11:28; 12/10/2021	UKAS/MCERTS	0.001
A27	Sulphur dioxide	2900	22.4	BS ISO 7935:1992	13:30 – 13:30; 14-15/01/2021	UKAS/MCERTS	26.4
A28	Sulphur dioxide	2900	0.85	BS ISO 7935:1992	12:30 – 12:30; 13-14/01/2021	UKAS/MCERTS	37.3
A61	Sulphur dioxide	2900	86.7	BS ISO 7935:1992	11:30 – 11:30; 12-13/01/2021	UKAS/MCERTS	28.4
A27	Oxides of nitrogen (as NO ₂)	150	55.7	BS ISO 14792:2005	13:30 – 13:30; 14-15/01/2021	UKAS/MCERTS	14.5
A28	Oxides of nitrogen (as NO ₂)	150	63.1	BS ISO 14792:2005	12:30 – 12:30; 13-14/01/2021	UKAS/MCERTS	20.5
A61	Oxides of nitrogen (as NO ₂)	150	64.0	BS ISO 14792:2005	11:30 – 11:30; 12-13/01/2021	UKAS/MCERTS	64.0
A15	Benzo(A)pyrene	0.01	0.0000030	BS ISO 11338	09:52 – 13:54; 15/01/2021	UKAS/MCERTS	0.0000061
A27	Benzo(A)pyrene	0.01	0.0000012	BS ISO 11338	10:30 – 14:30; 14/01/2021	UKAS/MCERTS	0.0001
A28	Benzo(A)pyrene	0.01	0.0000015	BS ISO 11338	10:00 – 14:00; 13/01/2021	UKAS/MCERTS	0.0000003
A61	Benzo(A)pyrene	0.01	0.0000015	BS ISO 11338	11:30 – 15:34; 12/01/2021	UKAS/MCERTS	0.00000003
A10	Total particulate	10	2.62	BS ISO 13284:2002	10:45 – 11:49; 20/04/2021	UKAS/MCERTS	0.30
A15	Total particulate	10	1.1	BS ISO 13284:2002	14:00 – 15:02; 15/01/2021	UKAS/MCERTS	0.51

A19	Total particulate	10	1.0	BS ISO 13284:2002	08:43 – 09:43; 12/01/2021	UKAS/MCERTS	0.53
A27	Total particulate	10	1.4	BS ISO 13284:2002	08:25 – 09:25; 15/01/2021	UKAS/MCERTS	0.85
A28	Total particulate	10	0.25	BS ISO 13284:2002	08:45 – 09:48; 14/01/2021	UKAS/MCERTS	0.56
A61	Total particulate	10	43.0	BS ISO 13284:2002	08:25 – 08:27; 13/01/2021	UKAS/MCERTS	2.5
A61	Total particulate	10	5.42#	BS ISO 13284:2002	11:27 – 12:30; 24/02/2021	UKAS/MCERTS	0.39

- A61 Resampling following Total Particulate result on 13/01/2021.

[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*.....

Date...09/11/2021.....

(Authorised to sign as representative of the Operator)