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 '22 to December '22; October '22 to December '22

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	0.032	BS EN 14385:2004	09:45 – 10:47; 30/03/2022	UKAS/MCERTS	0.005
A10	Copper	2	0.40	BS EN 14385:2004	09:45 – 10:47; 30/03/2022	UKAS/MCERTS	0.06
A10	Antimony	2	0.00051	BS EN 14385:2004	09:45 – 10:47; 30/03/2022	UKAS/MCERTS	0.00007
A10	Lead	2	0.044	BS EN 14385:2004	11:00 – 12:03; 29/06/2022	UKAS/MCERTS	0.0049
A10	Copper	2	1.031	BS EN 14385:2004	11:00 – 12:03; 29/06/2022	UKAS/MCERTS	0.1149
A10	Antimony	2	<0.001	BS EN 14385:2004	11:00 – 12:03; 29/06/2022	UKAS/MCERTS	0.0001
A10	Lead	2	0.007	BS EN 14385:2004	09:38 – 10:40; 20/07/2022	UKAS/MCERTS	0.001
A10	Copper	2	0.976	BS EN 14385:2004	09:38 – 10:40; 20/07/2022	UKAS/MCERTS	0.143
A10	Antimony	2	0.001	BS EN 14385:2004	09:38 – 10:40; 20/07/2022	UKAS/MCERTS	0.0001
A10	Lead	2	0.023	BS EN 14385:2004	10:28 – 11:31; 10/11/2022	UKAS/MCERTS	0.0034
A10	Copper	2	0.84	BS EN 14385:2004	10:28 – 11:31; 10/11/2022	UKAS/MCERTS	0.84
A10	Antimony	2	<0.00063	BS EN 14385:2004	10:28 – 11:31; 10/11/2022	UKAS/MCERTS	0.00009
A27	Sulphur dioxide	2900	180.2	BS ISO 7935:1992	04:00 – 04:00; 21-22/07/2022	UKAS/MCERTS	58.4
A28	Sulphur dioxide	2900	301.6	BS ISO 7935:1992	13:19 – 13:19; 19-20/07/2022	UKAS/MCERTS	78.5
A61	Sulphur dioxide	2900	#	BS ISO 7935:1992	#	UKAS/MCERTS	#
A27	Oxides of nitrogen (as NO_2)	150	83.7	BS ISO 14792:2005	04:00 – 04:00; 21-22/07/2022	UKAS/MCERTS	22.6
A28	Oxides of nitrogen (as NO_2)	150	123.6	BS ISO 14792:2005	13:19 – 13:19; 19-20/07/2022	UKAS/MCERTS	30.3
A61	Oxides of nitrogen (as NO_2)	150	#	BS ISO 14792:2005	#	UKAS/MCERTS	#
A15	Benzo(A)pyrene	0.01	0.000018	BS ISO 11338	09:11 – 13:14; 21/07/2022	UKAS/MCERTS	0.000004
A27	Benzo(A)pyrene	0.01	0.0000028	BS ISO 11338	09:39 – 13:44; 21/07/2022	UKAS/MCERTS	0.0000006
A28	Benzo(A)pyrene	0.01	0.0000030	BS ISO 11338	10:40 – 14:45;19/07/2022	UKAS/MCERTS	0.0000006
A61	Benzo(A)pyrene	0.01	#	BS ISO 11338	#	UKAS/MCERTS	#
A10	Total particulate	10	2.75	BS ISO 13284:2002	09:50 – 10:53; 29/06/2022	UKAS/MCERTS	0.43
A15	Total particulate	5	0.62	BS ISO 13284:2002	13:25 – 14:27; 21/07/2022	UKAS/MCERTS	0.53

A19	Total particulate	5	0.93	BS ISO 13284:2002	11:34 – 12:34; 20/07/2022	UKAS/MCERTS	0.4
A27	Total particulate	10	46.0	BS ISO 13284:2002	08:49 – 9.51; 22/07/2022	UKAS/MCERTS	2.5
A28	Total particulate	10	18.14	BS ISO 13284:2002	12:19 – 13:21; 20/07/2022	UKAS/MCERTS	1.18
A61	Total particulate	10	#	BS ISO 13284:2002	#	UKAS/MCERTS	#

- Deferred emissions monitoring for 2022 period (CAR_NRW0039792).

[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…08/12/2022.…
(Authorised to sign as representative of the Operator)