

Permit Reference Number : EPR/BV5386IX Operator : GS Yuasa Battery Manufacturing UK Ltd Installation : GS Yuasa Battery Manufacturing UK Ltd

Form Number : A1 Reporting of Emissions to Air for the period from ...1st October 2020....to...31st December 2020.....

Emissions to Air							
Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
A1	Lead and its compounds	0.5 mg/m ³	0.02 mg/m ³	BS:EN:14385:2004	21/10/20 11:19 – 12:07	UKAS & mCerts 2	<0.01 mg/m ³
A2	Lead and its compounds	0.5 mg/m ³	0.02 mg/m ³	BS:EN:14385:2004	21/10/20 12:35 – 13:15	UKAS & mCerts 2	<0.01 mg/m ³
A3	Lead and its compounds	0.5 mg/m ³	Not Operating				
A4	Lead and its compounds	0.5 mg/m ³	0.03 mg/m ³	BS:EN:14385:2004	20/10/20 13:46 – 14:34	UKAS & mCerts 2	<0.01 mg/m ³
*A5	Lead and its compounds	0.5 mg/m ³	0.06 mg/m ³	BS:EN:14385:2004	22/10/20 13:03 – 13:51	UKAS & mCerts 2	<0.01 mg/m ³
A6	Lead and its compounds	1.0 mg/m ³	0.02 mg/m ³	BS:EN:14385:2004	19/10/20 12:22 – 13:10	UKAS & mCerts 2	<0.01 mg/m ³
A7	Lead and its compounds	**1.0 mg/m ³	0.18 mg/m ³	BS:EN:14385:2004	19/10/20 09:37 – 10:31	UKAS & mCerts 2	0.01 mg/m ³
A9	Lead and its compounds	0.5 mg/m ³	<0.01mg/m ³	BS:EN:14385:2004	22/10/20 14:51 – 15:39	UKAS & mCerts 2	<0.01 mg/m ³
A11	Lead and its compounds	0.5 mg/m ³	0.01 mg/m ³	BS:EN:14385:2004	22/10/20 11:40 – 12:20	UKAS & mCerts 2	<0.01 mg/m ³
*A12	Lead and its compounds	0.5 mg/m ³	Not Operating				
A13	Lead and its compounds	2.0 mg/m ³	Not Operating				
A14	Lead and its compounds	2.0 mg/m ³	Not Operating				
A15	Lead and its compounds	0.5 mg/m ³	Not Operating				
A16	Lead and its compounds	0.5 mg/m ³	Not Operating				

*In Q3 2018, a change was made to extract the pellet casting processes via stack A5, as agreed in CAR NRW0032739 which is subject to a formal change at the next permit variation. Therefore, stack A12 is no longer operating. ** Emission Limit Value from 13th June 2020.

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A17	Lead and its compounds	0.5 mg/m ³	Not Operating				
A18	Lead and its compounds	1.0 mg/m ³	<0.01 mg/m ³	BS:EN:14385:2004	19/10/20 10:55 – 11:43	UKAS & mCerts 2	<0.01 mg/m ³
A19	Lead and its compounds	0.5 mg/m ³	<0.01 mg/m ³	BS:EN:14385:2004	20/10/20 12:04 – 12:40	UKAS & mCerts 2	<0.01 mg/m ³
A20	Lead and its compounds	0.5 mg/m ³	0.01 mg/m ³	BS:EN:14385:2004	21/10/20 13:47 – 14:27	UKAS & mCerts 2	<0.01 mg/m ³
A22	Lead and its compounds	** 1.0 mg/m ³	Not Operating				
A23	Lead and its compounds	0.5 mg/m ³	<0.01 mg/m ³	BS:EN:14385:2004	21/10/20 09:59 – 10:39	UKAS & mCerts 2	<0.01 mg/m ³
A24	Lead and its compounds	0.5 mg/m ³	<0.01 mg/m ³	BS:EN:14385:2004	22/10/20 10:07 – 10:52	UKAS & mCerts 2	<0.01 mg/m ³
A25	Lead and its compounds	0.5 mg/m ³	Not Operating				
A26	Lead and its compounds	0.5 mg/m ³	0.01 mg/m ³	BS:EN:14385:2004	19/10/20 13:52 – 14:34	UKAS & mCerts 2	<0.01 mg/m ³
A27	Lead and its compounds	1.0 mg/m ³	0.01 mg/m ³	BS:EN:14385:2004	20/10/20 10:34 – 11:34	UKAS & mCerts 2	<0.01 mg/m ³

** Emission Limit Value from 13th June 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, corrected to reference conditions. Where the emission 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)

Signed
(authorised to sign as representative of the Operator)

Date 15/2/2021

Permit Reference Number : EPR/BV5386IX Operator : GS Yuasa Battery Manufacturing UK Ltd Installation : GS Yuasa Battery Manufacturing UK Ltd

Form Number : S1 Reporting of Emissions to Sewer for the period from1st October 2020....to....31st December 2020.....

Emissions to Sewer								
Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Average Result ^[6]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
S1	Lead and its compounds	10.0 mg/l	2.61 mg/l	n/a	EV OI 077	17/12/20 at 08:30 hrs	EV OI 077	
S1	pH	Min 6 max 11	7.2 Min 10.0Max	8.4	EV OI 075	29/10/20 at 08:30 hrs 26/10/20 at 14:30 hrs	EV OI 075	
S1	Flow	None	N/A	n/a	N/A	N/A	N/A	N/A
S1	Copper and its compounds	None	N/A *	n/a	N/A	N/A	N/A	N/A
S1	Zinc and its compounds	None	N/A *	n/a	N/A	N/A	N/A	N/A
S1	Chromium and its compounds	None	N/A *	n/a	N/A	N/A	N/A	N/A
S1	Nickel and its compounds	None	N/A *	n/a	N/A	N/A	N/A	N/A
S1	Chemical Oxygen Demand	None	N/A *	n/a	N/A	N/A	N/A	N/A
S1	Sulphate	None	N/A *	n/a	N/A	N/A	N/A	N/A
S1	Total suspended solids	None	N/A *	n/a	N/A	N/A	N/A	N/A
S2	Lead and its compounds	5.0 mg/l	0.39 mg/l	n/a	EV OI 077	01/10/20 at 08:30 hrs	EV OI 077	
S2	pH	Min 6 max 11	6.4 Min 8.6 Max	7.7	EV OI 075	18/12/20 at 08:30 hrs 02/11/20 at 08:30 hrs	EV OI 075	
S2	Flow	None	N/A	n/a	N/A	N/A	N/A	N/A
S2	Copper and its compounds	None	N/A *	n/a	N/A	N/A	N/A	N/A
S2	Zinc and its compounds	None	N/A *	n/a	N/A	N/A	N/A	N/A
S2	Chromium and its compounds	None	N/A *	n/a	N/A	N/A	N/A	N/A
S2	Nickel and its compounds	None	N/A *	n/a	N/A	N/A	N/A	N/A

* Report due next quarter

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Emissions to Sewer								
Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Average Result ^[6]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
S2	Chemical Oxygen Demand	None	N/A *	n/a	N/A	N/A	N/A	N/A
S2	Sulphate	None	N/A *	n/a	N/A	N/A	N/A	N/A
S2	Total suspended solids	None	N/A *	n/a	N/A	N/A	N/A	N/A

* Report due next quarter

[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. colorimetry.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements, or flow/time proportional samples, the percentage of the process operating time covered by the monitoring 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.}

[6] The result given is the average value of all results obtained during the reporting period.

Signed
(authorised to sign as representative of the Operator)

Date: 15/12/2021