

Permit Number: EPR/BV53861X Operator:

GS Yuasa Battery Manufacturing UK Limited

Facility: Rassau Battery Manufacturing Site Unit 22

Form Number: Air1 / 14/06/2022

Reporting of emissions to air for the period from 1 April 2022 to 30 June 2022

Emission Point	Substance / Parameter	Emission		Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
		Limit Value						
A1	Lead and its compounds	0.5 mg/m ³	Quarterly		0.01 mg/m ³	BS:EN:14385:2004	22/04/22 09:55-10:31	<0.01mg/m ³
A2	Lead and its compounds	0.5 mg/m ³	Quarterly		0.19 mg/m ³	BS:EN:14385:2004	12/05/22 13:45-14:25	±0.01mg/m ³
A3	Lead and its compounds	0.1 mg/m ³	Quarterly		Not Operating			
A4	Lead and its compounds	0.5 mg/m ³	Quarterly		0.03 mg/m ³	BS:EN:14385:2004	20/04/22 11:55-12:43	<0.01mg/m ³
A5	Lead and its compounds	0.5 mg/m ³	Quarterly		0.01 mg/m ³	BS:EN:14385:2004	20/04/22 13:05-13:47	<0.01mg/m ³
A6	Lead and its compounds	1.0 mg/m ³	Quarterly		0.10 mg/m ³	BS:EN:14385:2004	19/04/22 11:10-11:58	±0.01mg/m ³
A7	Lead and its compounds	1.0 mg/m ³	Quarterly		0.07 mg/m ³	BS:EN:14385:2004	19/04/22 09:28-10:28	<0.01mg/m ³
A9	Lead and its compounds	0.5 mg/m ³	Quarterly		<0.01 mg/m ³	BS:EN:14385:2004	21/04/22 09:39-10:21	<0.01mg/m ³
A11	Lead and its compounds	0.5 mg/m ³	Quarterly		0.01 mg/m ³	BS:EN:14385:2004	21/04/22 11:06-11:46	<0.01mg/m ³
A18	Lead and its compounds	1.0 mg/m ³	Quarterly		0.01 mg/m ³	BS:EN:14385:2004	19/04/22 10:41-11:17	<0.01mg/m ³
A19	Lead and its compounds	0.5 mg/m ³	Quarterly		0.01 mg/m ³	BS:EN:14385:2004	20/04/22 09:24-10:12	<0.01mg/m ³
A20	Lead and its compounds	0.5 mg/m ³	Quarterly		0.03 mg/m ³	BS:EN:14385:2004	12/05/22 11:06-11:46	<0.01mg/m ³
A23	Lead and its compounds	0.5 mg/m ³	Quarterly		0.02 mg/m ³	BS:EN:14385:2004	12/05/22 09:51-10:39	<0.01mg/m ³
A24	Lead and its compounds	0.5 mg/m ³	Quarterly		<0.01 mg/m ³	BS:EN:14385:2004	21/04/22 12:28-13:04	<0.01mg/m ³

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
A26	Lead and its compounds	0.5 mg/m ³	Quarterly	0.03 mg/m ³	BS:EN:14385:2004	19/04/22 12:56-13:38	<0.01 mg/m ³
A27	Lead and its compounds	1.0 mg/m ³	Quarterly	0.01 mg/m ³	BS:EN:14385:2004	20/04/22 10:33-12:21	<0.01 mg/m ³
A94	Lead and its compounds	0.2 mg/m ³	Quarterly	Not Operating			

- [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 Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example 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 uncertainty is given as a range, expressed as a percentage of the result, at the 95% confidence interval, unless otherwise stated.

Signed

Date: 7 July 2022

Form Number : S1 Reporting of Emissions to Sewer for the period from ...1 April 2022 to 30 June 2022

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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⁾
S1	Lead and its compounds	10.0 mg/l	5.4 mg/l	N/A	EV OI 077	10/05/22 11:54	EV OI 077	
S1	pH	Min 6 max 11	6.1 Min 8.1 Max	7.1	EV OI 075	10/05/22 11:54 14/06/22 11:09	EV OI 075	
S1	Flow	None	None	N/A	N/A	N/A	N/A	N/A
S1	Copper and its compounds	None	N/A	N/A	Nitric digest/ICP (ALS Environmental)	N/A	UKAS	8.0% (at 8mg/l level)
S1	Zinc and its compounds	None	N/A	N/A	Nitric digest/ICP (ALS Environmental)	N/A	UKAS	6.3% (at 8mg/l level)
S1	Chromium and its compounds	None	N/A	N/A	Nitric digest/ICP (ALS Environmental)	N/A	UKAS	7.6% (at 8mg/l level)
S1	Nickel and its compounds	None	N/A	N/A	Nitric digest/ICP (ALS Environmental)	N/A	UKAS	7.1% (at 8mg/l level)
S1	Chemical Oxygen Demand	None	N/A	N/A	Full method statement on file (ALS Environmental)	N/A	UKAS	
S1	Sulphate	None	N/A	N/A	(ALS Environmental)	N/A	UKAS	
S1	Total suspended solids	None	N/A	N/A	(ALS Environmental)	N/A	UKAS	
S2	Lead and its compounds	5.0 mg/l	N/A	N/A	EV OI 077	N/A	EV OI 077	
S2	pH	Min 6 max 11	N/A		EV OI 075	N/A	EV OI 075	
S2	Flow	None	N/A	N/A	N/A	N/A		
S2	Copper and its compounds	None	N/A	N/A	Nitric digest/ICP (ALS Environmental)	N/A	UKAS	8.0% (at 8mg/l level)
S2	Zinc and its compounds	None	N/A	N/A	Nitric digest/ICP (ALS Environmental)	N/A	UKAS	6.3% (at 8mg/l level)
S2	Chromium and its compounds	None	N/A	N/A	Nitric digest/ICP (ALS Environmental)	N/A	UKAS	7.6% (at 8mg/l level)
S2	Nickel and its compounds	None	N/A	N/A	Nitric digest/ICP (ALS Environmental)	N/A	UKAS	7.1% (at 8mg/l level)

* Report due next quarter

Form Number : S1 Reporting of Emissions to Sewer for the period from ...1 April 2022 to 30 June 2022

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	Full method statement on file (ALS Environmental)	N/A	UKAS	
S2	Sulphate	None	N/A	N/A	(ALS Environmental)	N/A	UKAS	
S2	Total suspended solids	None	N/A	N/A	(ALS Environmental)	N/A	UKAS	

* 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 of the results obtained during the reporting period.

Signed
(author)

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(the Operator)

Date...05 Jul 2022