

Permit Reference Number: KP3135KV

Operator: The Royal Mint

Installation: The Royal Mint

Form Number: WI

Reporting of Emissions to Water (other than to Sewer) for the period from: July to December 2022

Emission Point:	Substance / Parameter:	Emission Limit Value:	Result: [1]	Test Method: [2]	Sample Date and Times [3]	Accreditation / Certification [4]	Uncertainty [5]
W1	Free chlorine as HOCl (mg/l)	0.1 mg/l	0.02ppm	As approved by the Natural Resources Wales	16.08.22 – 03:00 hrs. 07.12.22 – 00:00 hrs. Spot samples.	Not available	Not available
W1	Temp	30 °C	24°C	As approved by the Natural Resources Wales	16.08.22 – 03:00 hrs. Spot sample.	Not available	Not available
W1	Suspended solids	50 mg/l	< 1.5 mg/l	Gravimetry, LL IG 4.2	07.07.22 - 05:00 hrs. 16.08.22 - 03:00 hrs. 14.09.22 – 05:00 hrs. 13.10.22 - 07:45 hrs. 14.11.22 - 04:00 hrs. 07.12.22 - 00:00 hrs. Spot samples.	UKAS – ISO/IEC 17025	Not stated.
W1	Oil	None Visible	None Visible	Visual	Weekly spot samples	Not applicable	Not applicable
W3	Oil	None Visible	None Visible	Visual	Weekly spot samples	Not applicable	Not applicable
W4	Oil	None Visible	None Visible	Visual	Weekly spot samples	Not applicable	Not applicable
W5	Oil	None Visible	None Visible	Visual	Weekly spot samples	Not applicable	Not applicable
W6	Oil	None Visible	None Visible	Visual	Weekly spot samples	Not applicable	Not applicable
W7	Oil	None Visible	None Visible	Visual	Weekly spot samples	Not applicable	Not applicable

[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.

Signed ... ..



Date 26.01.23

(Authorised to sign as representative of the Operator)

Permit Reference Number: KP3135KV

Operator: The Royal Mint Ltd

Facility: The Royal Mint

Form Number: Sewer | 26/01/23

Reporting of Emissions to Sewer for the period from: October to December 2022 (Quarter 4).


Emission Point:	Substance / Parameter:	Emission Limit Value:	Result: [1]	Test Method: [2]	Sample Date and Times [3]	Accreditation / Certification [4]
SI	Free cyanide	0.2 mg/l	> 0.05 mg/l	Determination of Free Cyanide in water by Continuous Flow	All spot samples during the period: 12.10.22 – 14:50 hrs. 14.11.22 – 04:00 hrs. 08.12.22 – 08:00 hrs.	UKAS = Methodology accredited to ISO/IEC 17025:2017
SI	Copper and its compounds	1.0 mg/l	0.151 mg/l	Determination of Metals in water by ICP-OES	08.12.22 – 08:00 hrs. spot sample.	UKAS = Methodology accredited to ISO/IEC 17025:2017
SI	pH	6 – 11	8.8 – 8.9	Determination of pH in water by pH meter.	12.10.22 – 14:50 hrs. (pH 8.8) & 14.11.22 – 04:00 hrs. (pH 8.9) 08.12.22 – 08:00 hrs. (pH 8.9) spot samples.	UKAS = Methodology accredited to ISO/IEC 17025:2017

[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, or flow/time proportional samples, the percentage of the process operating time covered by the monitoring is given.

[4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed .....  ... Date 26<sup>th</sup> January 2023

(Authorised to sign as representative of the Operator)