

**Permit Reference Number:** KP3135KV

**Operator:** The Royal Mint Ltd

**Facility:** The Royal Mint

**Form Number:** Sewer 1 11/01/19

**Reporting of Emissions to Sewer for the period from:** October to December 2018 (Quarter 4).

| Emission Point: | Substance / Parameter:   | Emission Limit Value: | Result: [1] | Test Method: [2]                                                                                 | Sample Date and Times [3]                                                       | Accreditation / Certification [4]                   |
|-----------------|--------------------------|-----------------------|-------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------|
| S1              | Free cyanide             | 3 mg/l                | >0.005 mg/l | Determined colorimetrically by CF analyser                                                       | 15.10.18. 13:45hrs<br>12.11.18. 13:00hrs<br>10.12.18. 13:00hrs<br>Spot samples. | UKAS = Methodology accredited to ISO/IEC 17025:2005 |
| S1              | Copper and its compounds | 1.0 mg/l              | 0.117 mg/l  | SX M ICPMS Routine or NM M ICPMS Routine - Metals - filtered, acid digested, determined by ICPMS | 10.12.18. 13:00hrs<br>Spot sample.                                              | UKAS = Methodology accredited to ISO/IEC 17025:2005 |
| S1              | pH                       | 6 – 11                | 9.55 – 10.1 | SX I pH EC Turbidity or NM I pH EC - pH, Conductivity, Turbidity - automated electrode probe     | 10.12.18. 13:00hrs & 12.11.18. 13:00hrs<br>Spot samples.                        | UKAS = Methodology accredited to ISO/IEC 17025:2005 |

[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 .....

(Authorised to sign as representative of the Operator)

Date 11/01/19