

Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	KP31353KV
Name of operator	The Royal Mint Limited
Location of Facility	Llantrisant Pontyclun
Time and date of detection	Approximately 10:00 am 16/05/22

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution

To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit

To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	S1 – Discharge to Sewer from The Royal Mint Site
Parameter(s)	Free Cyanide
Limit	0.2 mg/l
Measures value and uncertainty	0.21 mg/l (Uncertainty to be determined) Total cyanide by the same method was reported as 0.19 mg/l
Date and time of monitoring	20/04/22 – 01:00
Measures taken, or intended to be taken, to stop the emission	Internal monitoring has not shown any exceedances of the parameter. Where exceeded levels of a parameter are detected prior to discharge the tank is reprocessed for discharge.

Time periods for notification following detection of a breach of a limit

Parameter	Notification period
The internal results for the day (20/04/22) reported free cyanide as 0.07 ppm 19/04/22 reported internally 0.03 ppm 21.04/22 reported internally 0.07 ppm It is considered the result reported by the external laboratory was within the limits of analytical error.	

(c) Notification requirements for the detection of any significant adverse environmental effect

To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	

Concentrations of substances detected	
Date of monitoring/sampling	

Part B – to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	The receiving laboratory was contacted on receipt of the analytical report and information was requested concerning the report. The receiving laboratory subcontracts the cyanide analysis, as they are not certified to undertake this analysis. Both laboratories confirmed that the sample was correctly stored and testing undertaken in the required timeframe, to make the result valid. The date on the final report was the date of the longer analysis but this was not the cyanide analysis. The subcontracted laboratory reported from their internal investigation “All the associated QA/QC data for the testing were within acceptable tolerances and there was no indication of transcription or environmental contamination during the analytical process. The Internal standards were with satisfactory parameters of the test. The calibration of the instrument was satisfactory. The visual check of the sample integration showed clear peaks on both Free and Total Cyanide for the 1417543 sample. Data has been entered and reported correctly to LIMS. The internal investigation confirmed the original results.” The laboratory undertaking the cyanide analysis has reported that there is an uncertainty of measurement on the cyanide: 23.5%.
Measures taken, or intended to be taken, to prevent a recurrence of the incident	January, February, March and May results have / are reported less than 0.05 mg/l. The Royal Mint will continue with internal monitoring prior to discharge to prevent detected exceedances of free cyanide. The introduction of the Direct Brass plating line and its associated treatment process is expected to reduce the cyanide loading in the future.
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	The reported result was for discharge to sewer at The Royal Mint site. The final discharge to controlled waters occurs at Welsh Water’s Coslech Sewerage Treatment Works.
The Dates of any unauthorised emissions from the facility in the preceding 24 months	No actual incidents but there was a potential incident reported on 15/04/21

Name*	Martyn Grant
Post	Environmental Manger
Signature	
Date	21/06/22

*Authorised to sign on behalf of The Royal Mint Limited