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	At 20:06 on the 12/09/2018.

(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	12/09/18 - 20:06
Reference or description of the location of the event	An employee observed the escape of sulphuric acid (15% concentration) from the south side of the cyanide treatment plant (Treatment Room 2).
Description of where any release into the environment took place	The area and drain system checked to ascertain the area of the spill. It was found that the spill had been contained to the local area and had not reached the first manhole drain after the storm drain. The penstock downstream was checked and no contamination was detected, the spill did not leave site.
Substances(s) potentially released	15% concentration Sulphuric acid
Best estimate of the quantity or rate of release of substances	Approximately 8 litres in total less than 1 litre outside the containment system (tank and bund).
Measures taken, or intended to be taken, to stop any emission	The Royal Mint's spill response procedure EP 7 was followed.
Description of the failure or accident.	The source of the release was identified as originating from a pH correction dosing system pipe, which was removed from its tank entry point.

(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		
Parameter(s)		
Limit		
Measures value and uncertainty		
Date and time of monitoring		
Measures taken, or intended to be taken, to stop the emission		
Time periods for notification following detection of a breach of a limit		
Parameter		Notification period
		Within 24 hours.

(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.	Following an investigation, it was identified that there was an issue with a mV probe on the neutralisation tank in Treatment Room 2, which required the probe's replacement. The issue occurred prior to the shutdown of Copper Plating 2 (CP2) for planned maintenance. Treatment Room 2 treats cyanide waste from CP2 and during the maintenance on CP2 the mV probe was replaced, the replacement took place between 19:45 – 00:00 on 10th September. The investigation did not established when the sulphuric acid dosing pipe was disturbed but it is assumed that during the mV probe replacement the pipework was disturbed. Treatment Room 2 was not restarted until the completion of the CP2 planned maintenance and the CP2 plant started operating and this is when the incorrect positioning of the pipework was discovered.
Measures taken, or intended to be taken, to prevent a recurrence of the incident	Following the incident pipework into the neutralisation tank have been fixed by grommets to inlets in the tank.
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	There is no expected pollution off site. Any remains of solution in the drain network system would be captured by the penstock system if the pH is below 6. Solution below pH 6 will be diverted to the penstock holding tank and treated on site by the onsite effluent treatment plant.
The Dates of any unauthorised emissions from the facility in the preceding 24 months	None

Name*	Martyn Grant
Post	Environmental Manager
Signature	
Date	25/09/18

*authorised to sign on behalf of The Royal Mint Limited