

## 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	08:30 am 29/07/21.

<b>(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</b>	
<b>To be notified within 24 hours of detection</b>	
Date and time of the event	08:30 am 29/07/21.
Reference or description of the location of the event	<p>The incident occurred during hot work, being undertaken by contractors, and was part of the decommission project for the former hot end.</p> <p>The incident occurred specifically as a result of preliminary work, ahead of the removal of the redundant stack, located at emission point A14, of The Royal Mint's current environmental permit.</p> <p>The hot work, which was taking place on the bag filter section of the of the stack extraction system, resulted in a fire.</p>
Description of where any release into the environment took place	<p>There was an atmospheric release of material from the fire.</p> <p>There was a potential release to controlled waters (W5 on the current environmental permit) from the fire water run-off.</p>
Substances(s) potentially released	<p>To atmosphere: Hydrocarbons, Copper, Nickle, and Zinc.</p> <p>To controlled waters: Copper, Nickle, and Zinc.</p>
Best estimate of the quantity or rate of release of substances	<p>To atmosphere: the fire started at 8:30, by the time the first tender arrived at 8:50 all smoke and metals were contained within the building. The quantity of substances released cannot be established but is considered to be of limited environmental impact.</p> <p>To controlled waters (W5): The flow, in the surface water system at the time of the incident has been calculated as approximately 500 litres / hour. Based on the initial vacuum tanker uptake rate. Using the average analysis taken from drain MHI for the period (10:45 – 12:20) and assuming none of the below control measures were implemented the potential release to the waters is calculated for the following metals:</p> <p>Copper 49g Nickel 83g Zinc 2.16 kg</p>


	Further analysis was undertaken during the day, to be supplied separately, and based on these results and the control measures the impact to W5 and the control waters is considered by The Royal Mint not to be significant.
Measures taken, or intended to be taken, to stop any emission	<p>Containment of releases to atmosphere were not possible.</p> <p>Containment of release to controlled waters included: Protection of drains, using spill containment materials, booms, spill mats and clay drain mats. The Fire Service deployed a drain balder device in addition to the above. Intermediate Bulk Containers were used to contained boomed fire water runoff, which was transferred by pumping and in total approximately 2m<sup>3</sup> of material was contained by this method.</p> <p>As part of our emergency response procedure vacuum tankers were requested and these removed material from the last manhole in the surface water drain system before the drain system exited the site boundary.</p> <p>This tanker was deployed at approximately 12:00 due to a weather forecast of heavy rain and remained pumping overnight. In excess of 30m<sup>3</sup> of water was removed by this method.</p>
Description of the failure or accident.	The incident is currently under investigation, to identify immediate and root causes.

<b>(b) Notification requirements for the breach of a limit</b>	
<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
Emission point reference/ source	W5
Parameter(s)	
Limit	None
Measures value and uncertainty	
Date and time of monitoring	29/07/21 - 10:45 – 12:00
Measures taken, or intended to be taken, to stop the emission	
<b>Time periods for notification following detection of a breach of a limit</b>	
Parameter	Notification period
<b>(c) Notification requirements for the detection of any significant adverse environmental effect</b>	
<b>To be notified within 24 hours of detection</b>	
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.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
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 Dates of any unauthorised emissions from the facility in the preceding 24 months	No actual incidents but there were potential incidents reported on 17/02/20 and 15/04/21.
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<b>Name*</b>	Martyn Grant
<b>Post</b>	Environmental Manger
<b>Signature</b>	
<b>Date</b>	30/07/21

\*authorised to sign on behalf of The Royal Mint Limited

