

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	EPR/FP3232KG
Name of operator	Dwr Cymru Cyfyngedig
Location of Facility	Cardiff AAD Facility, Tide Fields Road, Rover Way, Tremorfa, Cardiff, CF24 2RX
Time and date of the detection	≈0900 hrs 29/08/22

(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	≈0700 hrs 29/08/22 – 1430 hrs 30/08/22
Reference or description of the location of the event	Previous email contact has been made prior to this schedule 5. Digester foam is entering the limpet box of digester 1. High winds is blowing this foam towards the site boundary fence. Some foam ‘bubbles’ are travelling over the fence and landing on plants and on the public path that runs alongside the fence

Description of where any release into the environment took place	Small amounts of foam being blown over boundary fence (area indicated by blue arrow): 
Substances(s) potentially released	Enhanced treated, digested sludge foam
Best estimate of the quantity or rate of release of substances	< 100 l Very small amounts at a time since it is in the form of bubbles
Measures taken, or intended to be taken, to stop any emission	Investigation of the cause of the foaming underway, dose antifoam, spray limpet box with water to reduce foam and place screening over boundary fence to reduce amount getting through fence. As well as this DCWW's pollution prevention team has been to site during the morning of 31/08/22 to clean the footpath/planted area where the foam has landed.
Description of the failure or accident.	Foam created within the digester, unknown cause at present.

(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	
Measured 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

(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.	Event whilst intermittent last until 2nd September 2022. The event was caused by a partial blockage of outlet of the digester resulting in the weir box filling with sludge. This raised the level of the digester and when the sludge was sitting in the weir box it would have been naturally degassing but with the absence of mixing causing localised foaming which in the windy conditions at the time, blew away from the box in the prevailing wind. In addition there was overspilling causing the sludge spillage on site but this was all contained on site. An estimated 1000 litres of liquid digested sludge escaped from the digester but was contained within the site, washed back into site drainage and retreated through Cardiff WwTW. Small volumes of sludge foam escaped from site in the windy conditions and coated nearby foliage in black digested sludge. This was later cleaned by our pollution prevention and remediation team. The source of the blockage remains unknown, jetters were called to site to jet the pipework, the blockage was cleared with a combination of jetting and rodding and continued through the treatment process meaning we were unable to see what actually caused the restriction, the levels in the chamber and digester visually started to drop while the crew were jetting so there was certainly a partial blockage or restriction in the pipeline, possibly as a result of the baking effect from the extreme heat on the external pipework or a soft blockage from something that travelled through the digester.
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Measures taken, or intended to be taken, to prevent a recurrence of the incident	Level devices are being investigated on the weir boxes to give early notification of future sludge level rise which may indicate potential blockages before they cause an impact to treatment. A quarterly SAP job card is being created to do a visual inspection of the weir box to check for any partial blockages and also check the sludge level device operation
The dates of any unauthorised emissions from the facility in the preceding 24 months.	None

Name*	Scott Webster
Post	AAD Facilities Manager
Signature	
Date	10/11/22

* authorised to sign on behalf of the operator