

Schedule 5 – Notification

PART A

Permit Number	EPR/SP3537VQ
Name of Operator	Biogen (UK) Limited
Location of Facility	Bryn Pica AD site, Aberdare, CF44 0BX
Time and date of the detection	01.10.2022 07:50

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	01.10.2022 07:50
Reference or description of the location of the event	Bunded area next to the pasteuriser
Description of where any release into the environment took place	Contained within the bunded area. No release to surface waters/groundwater. Aerial emissions by way of odour not detected at the site boundary or beyond.
Substance(s) potentially released	Pasteuriser content (digestate)
Best estimate of the quantity or rate of release of substances	15t spilled into the bund – fully contained within the concrete bund.
Measures taken, or intended to be taken, to stop any emission	Mixing on the pasteuriser isolated immediately and heating isolated to discourage further activity in the tank. Review of feed rates.
Description of the failure or accident	Potentially very active after bringing the Raw Waste Buffer Tank (RWBT) back online after the degrid, small amount of foaming observed.

(b) Notification requirement 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	

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Description of where the effect on the environment was detected	
Substance(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

PART B – TO BE SUBMITTED AS SOON AS PRACTICABLE

<p>Any more accurate information on the matter for notification under Part A</p>	<p>As notified by Regional Compliance Officer on 22.08.22 the site had some planned maintenance works, including a 60,000 hr CHP service and the RWBT degrid. During this month-long period we fed the digesters a minimal quantity to keep the biology healthy and to prevent the bacteria from becoming dormant. On investigation we believe that on recommissioning the RWBT and CHP we increased the feed rate to the digesters too rapidly and the foaming we encountered was a consequence of this.</p> <p>The Duty Manager acted promptly to isolate the mixing and feeding. The whole Site Team attended out of hours to conduct a full clean and ensure close monitoring throughout the day on Saturday. The Duty Manager and General Manager continued to monitor remotely through the evening. The Duty Manager reattended site on the Sunday, all tanks were stable. The Duty Manager made a further assessment on Monday morning and in the early hours was able to reinstate the mixing. There have been no further incidents of foaming. Unrelated to this incident, there has been ongoing issues with the CHP since it has been brought back into the service which the team are working closely with both Clarke Energy (O&M Contractor for the CHP) and Western Power (local grid engineering firm) to resolve. During any outages the back-up generator, boiler and flare have operated as designed without issue (nb: flaring is minimal and we do not envisage by year end we will encroach on the 10% threshold).</p>
<p>Measures taken, intended to be taken, to prevent a reoccurrence of the incident</p>	<p>Our Research Manager is reviewing the data from other sites where we have undertaken the same exercise on a single CHP site, without issue, to make comparisons and ensure shared learnings across our portfolio of sites.</p>

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	In the event of future prolonged shut-down/partial shut-down of key operational plant, there will be more rigorous biological and process monitoring and a more gradual approach to increasing feed rates to avoid a recurrence.
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 site benefits from an impermeable concrete bund, the spilt material was fully contained with no pathway to unmade ground, soils, groundwater or surface waters. The odour as a result of the spill was localised to the site and could not be detected beyond the site boundary, no complaints were received. The spill was cleaned up without delay to ensure it remained contained.
The dates of any unauthorised emissions from the facility in the preceding 24 months	Sch 5 submitted to NRW on 14.05.21 in relation to emission of soot from the carbon filter. This was promptly rectified at the time.

Name*	██████████
Post	Compliance Director
Signature	██████████
Date	07.10.22

*Authorised to sign on behalf of Biogen (UK) limited