

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 / AB 37902B
Name of operator	Biomass UK No.2 Ltd
Location of Facility	David Davies Road, Barry, CF63 4JE
Time and date of the detection	09.00 on 02/09/2021

(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	02/09/2021 – 03.35
Reference or description of the location of the event	Side of Barry Biomass (Woodham Road)
Description of where any release into the environment took place	On the western boundary fence of Biomass UK No.2 into the air. Emission through a safety vent valve on top of the dust extraction system.
Substances(s) potentially released	Wood Dust from Waste Code 19.12.07
Best estimate of the quantity or rate of release of substances	N/A
Measures taken, or intended to be taken, to stop any emission	Shutdown of the dust extraction system
Description of the failure or accident.	Mechanical failure on the dust extraction system leading to an emission through a safety vent valve.

(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.	<p>Subsequent to the emission of wood dust from the safety vent of the dust extraction system, a representative of the original equipment manufacturer attended site to conduct a root cause analysis.</p> <p>The dust extraction system is installed to ensure dust is removed from the conveying system. Air is drawn through a cyclone in which several filtration bags are housed. The filtration bags separate dust from the air and collected dust is periodically pulsed (using compressed air) off the bags into the collection points below.</p> <p>The top clean section of the cyclone was found to contain dust which, on further investigation, appeared to have originated from one of the filter bags that had been dislodged. That sleeve was no longer in place on the spigot plate and there was what appeared to be a blockage around that section. The bottom hatch was removed, and it became clear there was a build-up of dust between the filter sleeves and the top spigot plate.</p> <p>The bag cleaning system was tested and it was observed that no compressed air cleaning occurred.</p>
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	<p>The compressed air line was checked and found to be intact however no differential pressure was being read across the pulse controller. It was observed that a “kink” in the air feed pipes was restricting the flow of compressed air which was remedied to allow pulse controller to begin cleaning. To check the operation was working correctly the system was started and stopped and the pulse controller was functioning correctly both during start up, normal running and shut down.</p>
Measures taken, or intended to be taken, to prevent a recurrence of the incident	<p>It was requested by NRW that a WM3 Assessment of the wood dust to be carried out, which is currently be expedited.</p> <p>A full set of replacement filter sleeves has been purchased and is being replaced on the equipment</p> <p>An alarm associated with the supply of compressed air to the pulse cleaning system to give an early warning and allow the system to be rectified before failure.</p>
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	<p>A full area clean was carried out including a road sweeper, brushes and brooms.</p>
The dates of any unauthorised emissions from the facility in the preceding 24 months.	N/A

Name*	██████████
Post	Biomass UK No.2 Ltd – Site Manager
Signature	██████████
Date	14/10/2021

* authorised to sign on behalf of the operator

