

EP Unit Shut Down Notification

(Q1 2025 – event 1 of 2) BR8212IK / (EA/EPR/BR8212IK/V004)



Permit Number / Variation Notice Number	BR8212IK / (EA/EPR/BR8212IK/V004)
Name of operator	Knauf Insulation
Location of Installation	Cwmbran Pontyfelin Works, Croesyceiliog, Cwmbran NP44 2YQ
Time and date of the shutdown	21/04/25 (10:00) – 24/04/25 (10:00)

Details of fugitive emission which may cause pollution													
Date and time of the event	21/04/25 (13:00) – 24/04/25 (10:00)												
Reference or description of the location of the event	A2 – Bypass Stack (Note emissions normally emitted via A1 Furnace stack which has the EP). The EP is being taken offline for its six-monthly planned maintenance to complete servicing, cleaning, repair. The emissions will exit, untreated via the by-pass stack.												
Description of where any release into the environment took place	To air via bypass stack in the Pontypool /Cwmbran area, NP44 2YQ												
Substance(s) potentially released	Nox, SO2, Particulate matter												
Best estimate of the quantity or rate of release of substance	<table border="1"> <thead> <tr> <th>Emission</th> <th>Normal</th> <th>Without EP</th> </tr> </thead> <tbody> <tr> <td>Nox mg/Nm3</td> <td>270</td> <td>320</td> </tr> <tr> <td>SO2 mg/Nm3</td> <td>120</td> <td>180</td> </tr> <tr> <td>Particulate Matter mg/ Nm3</td> <td>2.0</td> <td>5.0</td> </tr> </tbody> </table>	Emission	Normal	Without EP	Nox mg/Nm3	270	320	SO2 mg/Nm3	120	180	Particulate Matter mg/ Nm3	2.0	5.0
Emission	Normal	Without EP											
Nox mg/Nm3	270	320											
SO2 mg/Nm3	120	180											
Particulate Matter mg/ Nm3	2.0	5.0											
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	<ul style="list-style-type: none"> The number of bushings in operation during this period will be reduced from 12 to 3, and as such pull rate reduced by 75%. We do not foresee this as a significant cause of pollution as the plant is on the lowest possible output without stopping. Visual inspections of the stack will be in place to monitor, however reduced production output will reduce the emissions so low as is reasonably practicable. Wind speed and direction will be monitored. 												
Description of the failure or accident	<p>No failure planned maintenance work to maintain optimum plant performance. The EP unit will be bypassed, and emissions will exit at A2 as we work in area A1. The proposed work schedule.</p> <ul style="list-style-type: none"> Turn off EP and allow to cool to ambient temperature. Complete welding inside the stack as per the last inspection report findings Inspection by Czech competent persons Replace a worn motor that will fail if we don't replace. Replacement of bearings that have been found to be noisy and will eventually fail. Bring back on line and verify Nox , Sox and PM levels 												

EP Unit Shut Down Notification

(Q1 2025 – event 1 of 2) BR8212IK / (EA/EPR/BR8212IK/V004)



Details of emission quantities provided	
Emission point reference/ source	A2
Limit	No Limit on emission Point A2
Measured value	320.9 mg/Nm ³
Date and time of monitoring	15 th March 2021

Name*	[REDACTED]
Post	HS&E Manager
Signature	[REDACTED]
Date	1 st April 2025

* Authorised to sign on behalf of Knauf Insulation Limited