

**PERMIT NUMBER JP3632ZH
DOW SILICONES UK LTD
SCHEDULE 5 INCIDENT NOTIFICATION**

To:	Process Industry Inspector
FAO: Mr Geraint Thomas	Natural Resources Wales Rivers House St Mellons Business Park Fortran Road St Mellons Cardiff CF3 0EY
Phone	03000 65 3000
Email	icc@cyfoethnaturiolcymru.gov.uk
From:	
Name Of Operator	Dow Silicones UK Ltd
Location of Process:	Cardiff Road, Barry, Vale of Glamorgan
FAX No:	
Telephone No:	+44 1446 723197
Email	
Date Information Provided:	12 th July 2023

Part A

Permit Number	EPR/JP3632ZH
Name of Operator	Dow Silicones UK Ltd
Location of Facility	Barry, South Glamorgan, Wales
Time and Date of Detection	6 th – 20 th June 2023

a) Notification requirements for any activity that gives rise to an incident or accident which significantly affects or may significantly affect the environment	
To be notified immediately	
Date and time of event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substance(s) potentially released	
Best estimate of quantities or rate of release	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident	

b) Notification requirements for the breach of a permit condition	
To be notified immediately	
Emission point reference source	A1
Parameter(s)	NOx, CO, O2
Limit	>10 days of monitoring results through June/July invalidated due to CEMS analyser issues on HRSG B.
Measured value and uncertainty	June/July Monthly/daily NOx measurement accuracy
Date and time of monitoring	June/July Monthly/daily measured NOx averages – accuracy of monitoring using CEMS (Continuous Emission Monitoring Systems) due to analyser issue.
Measures taken, or intended to be taken, to stop the emission	6th June CEMS analyser unidentified intermittent fault on one channel of a dual channel system. On site attempts to repair 20th, 25th and 26th June unsuccessful. Vendor attended site 5th and 6th July but unable to repair. HRSG B taken offline Friday 7th July due to total analyser failure. 11th July further troubleshooting and site support from vendor, replacement of LAND analyser components (all tubing,

	solenoids and main motherboard). Analyser now functioning correctly. HRSG B restarted. Project proposal to replace the LAND analysers with ABB CEMS with a lead time of 12-14 weeks, escalating through Business and project workflows.
Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

c) In the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment:	
To be notified immediately	
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

Any more information on the matters for notification under Part A	
Measure taken, or intended to be taken, to prevent a recurrence of the incident	
Measure 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.	

Name	
Post	Senior EHS&S Operations Leader
Signature	
Date	12 th July 2023