

PERMIT NUMBER BR9685IX

DOW SILICONES UK LTD

SCHEDULE 5 INCIDENT NOTIFICATION

To:	Process Industry Inspector
FAO: Mr Geraint Harris	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:	[REDACTED]
Name Of Operator	Dow Silicones UK Ltd
Location of Process:	Cardiff Road, Barry, Vale of Glamorgan
FAX No:	
Telephone No:	01446 723960
Email	[REDACTED]
Date Information Provided:	13 th March 2023

Part A

Permit Number	EPR/BR9685IX
Name of Operator	Dow Silicones UK Ltd
Location of Facility	Barry, South Glamorgan, Wales
Time and Date of Detection	9 th March 2023 12:00

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	9 th March 2023 12:00
Reference or description of the location of the event	Grid ref 51°24'22.3"N 3°14'37.5"W
Description of where any release into the environment took place	Outdoor wash bay at Dow Silicones UK Ltd
Substance(s) potentially released	HCl vapour
Best estimate of quantities or rate of release	Estimated at 60kg based on visible vapour and concentrations
Measures taken, or intended to be taken, to stop any emission	Water sprays and foam were used to reduce and minimise the vapour. The equipment was placed back in a water bath to prevent further HCl vapour being generated.
Description of the failure or accident	An HCl vapour release was caused by some residual material remaining on a heat exchanger bundle which was removed from the process in the September/October 2022 shutdown. This was being stored in a water bath at the outdoor equipment cleaning bay. The equipment was removed from the water bath to be prepared for disposal. Residual material on the tube bundle came into contact with the atmosphere and began to generate HCl vapour. The HCl vapour generation was minimised and contained using water spray curtains. The incident was brought under control by the site emergency response team who covered the equipment and area with foam and later returned the equipment to the water bath.

b) Notification requirements for the breach of a permit condition	
To be notified immediately	
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) 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	Environmental Specialist
Signature	
Date	13 th March 2023