

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:	21 st September 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	

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	No source reference – outlet of 227 scrubber on vent of 225 tank on W705
Parameter(s)	VOC's (siloxanes)
Limit	Annual mass limit (no exceedance, but not from authorised release point)
Measured value and uncertainty	11 th July 2023 – 99237 mg/m ³ - 90g/hr 1 st September 2023 – 3481 mg/m ³ – 3g/hr
Date and time of monitoring	11 th July 2023 & 1 st September 2023
Measures taken, or intended to be taken, to stop the emission	This small emission is not intended to be stopped, we wish to include it as an authorised release point on our permit within the bounds of our existing annual emission mass limit.

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	As soon as this vent was identified as a potential source of VOC's during the BREF vent project the vent was sampled. The sample was high in concentration , but very low flowrate – which equates to 90g/hr for the higher sample and 3g/hr for the lower sample. Work is ongoing to establish the different running conditions for these 2 samples. An H1 assessment has been carried out for this release point, which was insignificant for both short term and long term EAL (assuming the EAL for Toluene, as there is not one for siloxane)
Measure taken, or intended to be taken, to prevent a recurrence of the incident	A new purpose built sample point is being designed and installed to make sampling this tank easier in the future and allow a flow measurement to be taken at the same time.
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.	We will be requesting an additional authorised release point is added to the permit for this location, with monitoring requirements if this is seen to be necessary.
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name	
Post	Environmental Specialist
Signature	
Date	21 st September 2023