

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@cyfoethnaturioleymru.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:	16 th June 2024

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	15 th June 2024 15:00

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	15 th June 2024 15:00
Reference or description of the location of the event	Grid ref - 51.409490, -3.238312
Description of where any release into the environment took place	W348 TCS process at Dow Silicones UK Ltd
Substance(s) potentially released	HCl vapour
Best estimate of quantities or rate of release	Calculation in progress as part of internal investigation.
Measures taken, or intended to be taken, to stop any emission	Water sprays were used to reduce and minimise the vapour. The equipment was isolated and water curtains kept in place until residual HCl generation was stopped.
Description of the failure or accident	A leak of TCS process material was discovered by the process operator. The leak caused a localised fire and as the material contacted the air, HCl vapour was generated. Water spray curtains were established to reduce and contain the HCl vapour. Isolations were activated remotely around the pump, which stopped the leak and fire. The plant was fully shutdown. The incident was brought to a conclusion by the site emergency response team using water spray curtains and physically confirming full isolation of the leak. The site klaxon and was initiated during the incident as a safety measure for the local community. A full root cause incident investigation will be carried out.

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	16th June 2024