

PERMIT NUMBER BR9685IX

DOW CORNING LTD

SCHEDULE 5 INCIDENT NOTIFICATION

To:	Process Industry Inspector
FAO: Mr Tony Leakey	Natural Resources Wales Rivers House St Mellons Business Park Fortran Road St Mellons Cardiff CF3 0EY
Phone	0300065 3000
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From:	Judith Sartor
Name Of Operator	Dow Silicones UK Ltd
Location of Process:	Cardiff Road, Barry, Vale of Glamorgan
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Date Information Provided:	30 th July 2020

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	Q2 2020

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	W1
Parameter(s)	Copper
Limit	95 th % 0.1 mg/l
Measured value and uncertainty	95 th % 0.1013
Date and time of monitoring	Q2 2020
Measures taken, or intended to be taken, to stop the emission	There were issues with slightly elevated Suspended solids and Copper at a couple of points during Q2. Whilst the suspended solids remained just below the 95 th % limit, the copper was just over.

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

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- 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	There is a very good correlation between copper and suspended solids, which we use as an in process measurement to indicate potential issues. The MCERTS composite sampler deposits a 24 hour sample into a large cannister, which is then decanted into smaller sample bottles for transportation to the on-site lab. Inconsistency was found between multiple sample bottles taken from the same cannister. Resamples were run for each of the multiple sample bottles. Further investigation showed that whilst the composite sampler itself was clean, the cannisters themselves were not being regularly cleaned. A build up of solids on the base and sides of the cannister caused some the samples to appear out of spec, even though in process instrumentation did not show that there should be elevated copper levels.
Measure taken, or intended to be taken, to prevent a recurrence of the incident	The cannisters are now on a weekly cleaning schedule and the issue has now been eliminated.
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.	As soon as the contaminated cannisters were identified they were cleaned with demineralised water.
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name	Jude Sartor
Post	Environmental Specialist
Signature	
Date	30th July 2020