

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:	26 th April 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	25 th April 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	W1 – Final effluent from WWT process
Parameter(s)	Suspended solids
Limit	30 mg/l
Measured value and uncertainty	95 th Percentile – 5 samples > 30mg/l for Q1
Date and time of monitoring	Daily samples throughout Q1
Measures taken, or intended to be taken, to stop the emission	From Copper Schedule 5 12/01/2023: Increase pH in PWWT process to promote copper removal. Reduce flows through WWT process gradually (increased rapidly due to very heavy rainfall and flooding) to prevent further disturbance in SWWT solids settling. Reinstate alkali dosing at SWWT gradually to increase pH without upsetting biology. Reduce site rates to prevent excessive additional wastewater production, ready plant for controlled full shutdown.

	Additional sampling to monitor remedial actions. <i>Usually suspended solids goes up and down with copper levels, this quarter is no different.</i> <i>A Schedule 5 was submitted on 12th January for 95th percentile Copper >0.1 mg/l — the same information is relevant for 4 of the 5 samples, the details above are copied from that.</i> <i>One of the instances where the Copper was >0.1mg/l the SS were <30mg/l for SS, this is why SS was not reported at the same time.</i> <i>A visibly contaminated sample was received on 12th February and pushed the SS 95th percentile >30mg/l. For the full 24 hours the 2 independent online SS analysers were reading < 11mg/l. The composite sampler was clean. We have not been able to ascertain where the contamination occurred.</i>
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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	26th April 2023