

PERMIT NUMBER BR9685IX

DOW SILICONES UK 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	03000 65 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:	12 th May 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	April 2020 – discussed with Tony Leakey 29 th April

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)	BOD5
Limit	20mg/l
Measured value and uncertainty	No samples to be taken
Date and time of monitoring	April 2020, May 2020, June 2020
Measures taken, or intended to be taken, to stop the emission	BOD5 samples are taken and have to be refrigerated and sent immediately to a specific off site laboratory for analysis. The Covid 19 pandemic has prevented us from being to arrange these samples for more than one reason: - the ability to bring couriers to site to collect and deliver the samples - the specific laboratory to analyse these samples in a timely manner due to social distancing and staff shortages Dow tests daily for Methanol on every composite sample that is brought in from W1 (taken in a refrigerated composite sampler). The sample is quick to analyse and enables us to identify any plant issues and take extra samples or adjust operations as necessary.

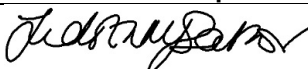
	The monthly BOD5 test is carried out offsite, takes 5 days and we do not get the result back quickly. This sample is not used for adjustment to operations – it is purely for permit reporting. Numerous samples were analysed between 1997-1999 to establish the relationship between BOD5, TOC and Methanol. The report coming out of this study enabled the Environment Agency to reduce BOD5 sampling from daily to monthly, based on the Methanol testing that we do. The relationship between BOD5 and Methanol for final effluent at W1 from Dow is 1 mg/l Methanol equates to 1.4 ppm BOD. So far in 2020 Methanol has been below the detectable limit every day. Should the Methanol analysis results be above 10mg/l NRW will be informed. As soon as Dow are able to get samples off site and analysed at the lab then BOD5 analysis will resume, but it anticipated that this may not be till July.
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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	Jude Sartor
Post	Environmental Specialist
Signature	
Date	12 th May 2020