

PERMIT NUMBER BR9685IX
DOW CORNING LTD

SCHEDULE 5 PART A INCIDENT NOTIFICATION

This information MUST be FAXED to Natural Resources Wales at the below FAX no. within 24 hr. of an incident occurring.

Revision Date: 06 June 2006

To:	Process Industry Inspector
FAO: Mr Tony Leakey	Natural Resources Wales Rivers House St Mellons Business Park Fortran Road St Mellons Cardiff CF3 0EY
FAX No:	029 20362095
From: Name Of Operator Location of Process:	Judith Sartor Dow Corning Limited Cardiff Road, Barry, Vale of Glamorgan
FAX No:	01446-749634
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Date Information Provided:	05/04/2017

Part A

Permit Number	EPR/BR9685IX
Name of Operator	Dow Corning Ltd
Location of Facility	Barry, South Glamorgan, Wales
Time and Date of Detection	04/04/17

a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
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	

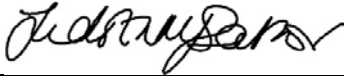
b) Notification requirements for the breach of a limit	
Emission point reference source	A34
Parameter(s)	Methanol flowrate
Limit	60 kg/hr
Measured value and uncertainty	22/06/16 07:00 – 08:00 : 139.18 kg/hr 22/06/16 08:00 – 09:00 : 96.08 kg/hr
Date and time of monitoring	22/06/16 07:00 – 08:00 : 139.18 kg/hr 22/06/16 08:00 – 09:00 : 96.08 kg/hr
Measures taken, or intended to be taken, to stop the emission	This exceedance of the permitted hourly Methanol flowrate happened towards the end of the site turnaround and may be attributed to start up activities. A root cause investigation will be carried out as to why this happened

	and measures put in place to prevent this from happening again. Further details will follow in Part B.
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c) Notification requirements for the detection of any significant adverse environmental effect, to be notified within 24 hours.	
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	A full root cause investigation has now been carried out and a list of corrective actions has been entered into our GIMS action management tool as a result of this RCI. The vent absorber system had been on recycle for a number of days during the site shutdown, which resulted in it running at a higher temperature than normal. During start up of the processes there was insufficient cooling in the vent absorber to condense the methanol from the vent stream to the ERU. The ERU knock out pot level began to rise so the vents were redirected to atmosphere. This resulted in a higher than permitted flow of Methanol to the atmosphere. A number of attributing causes were identified. • Excess MeOH leaving the vent absorber system due to increased temperature caused by prolonged recycle. • Lack of visibility of maintenance vents to vent absorber system • Unsuitable process alarms • SOP's and training did not adequately cover this scenario
Measure taken, or intended to be taken, to prevent a recurrence of the incident	Corrective actions: • Install cooler for when MEVA system is on recycle – Dec 18 • Install control valve on maintenance lines to MEVA – Sept 17 • Review alarms and analyser calculation blocks – July 17 • Update SOP's and operator training packages- July / Sept 17
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	Judith Sartor
Post	Environmental Specialist
Signature	
Date	11/05/2017