Permit Reference Number: BR9685IX
Installation: Barry Silicon-Based Manufacturing Installation
Form Number: Agency Form / BR9685IX / A2 / Form Dated 1st March 2010

Operator: Dow Silicones UK Ltd

Quarterly Reporting of Emissions to Air for the period from: Q2 2026

Emission Point	Substance / Parameter	Emission Limit Value	Result [1]	Units	Test Method [2]	Sample Date and Times [3]	Accreditation/ Certification [4]	Uncertainty [5]
A26	Class B VOC's	No limit applies	0.8508	kg/hr	Gas chromatography	21/04/2026 11:58	In House Validated Method	3.6%
A26	Siloxanes	Agreed limit(6)	0.6803	kg/hr	Gas chromatography	21/04/2026 11:58	In House Validated Method	3.6%
A27	Siloxanes	Agreed limit(6)	0.0479	kg/hr	Gas chromatography	21/04/2026 12:12	In House Validated Method	3.6%
A43	Hydrogen chloride	10mg/m3	2.4045	mg/m3	Ion chromatography	29/04/2026 11:12	In House Validated Method	3.6%
A44	Hydrogen chloride	10mg/m3	See note 8	mg/m3	Ion chromatography	N/A	In House Validated Method	3.6%
A57	Hydrogen chloride	10mg/m3	0.229	mg/m3	Ion chromatography	16/04/2026 10:16	In House Validated Method	3.6%
A60	Class B VOC's	5000 kg/year(7)	0.0777	kg/hr	Gas chromatography	28/04/2026 09:40	In House Validated Method	3.6%
			9.7938	Kg YTD		2026 TOTAL		
A65	Siloxanes	Agreed limit(6)	0.0006	kg/hr	Gas chromatography	21/04/2026 10:32	In House Validated Method	3.6%
A68	Class B VOC's	5000 kg/year(7)	0.1137	kg/hr	Gas chromatography	21/04/2026 11:15	In House Validated Method	3.6%
			592.9528	Kg YTD		2026 TOTAL		
A68	Siloxanes	Agreed limit(6)	1.0497	kg/hr	Gas chromatography	21/04/2026 11:15	In House Validated Method	3.6%
A78	Class A VOC's	No limit. Temperature (ºC)	30.7002	ºC	RTD	25/06/2026 19:49	Internally Calibrated	0.02%
A79	Siloxanes	Agreed limit(6)	2.5563	kg/hr	Gas chromatography	21/04/2026 11:33	In House Validated Method	3.6%
A85	Siloxanes	Agreed limit(6)	0.2157	kg/hr	Gas chromatography	29/04/2026 10:18	In House Validated Method	3.6%
A123	Siloxanes	Agreed limit(6)	0.0000	kg/hr	Gas chromatography	21/04/2026 10:49	In House Validated Method	3.6%
A124	Siloxanes	Agreed limit(6)	0.0103	kg/hr	Gas chromatography	21/04/2026 11:00	In House Validated Method	3.6%
A125(10)	Siloxanes	Agreed limit(6)	0.0002	kg/hr	Gas chromatography	21/04/2026 12:28	In House Validated Method	3.6%

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. gas chromatography.
[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
[4] The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.
[5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.
[6] Emission limit to be agreed following completion of IP14. This was deferred for consideration with IP25. No limit applies.
[7] Emission limit agreed following completion of IP4 (5000 kg/year).

Dow Notes:
(8) A44 is now decommissioned (vent is released via A43).
(9) Releases modelled as part of IP16. Agency agreed that releases do not require abatement and that limit no longer applies. Instead the vent temperature will be recorded on form A2 quarterly to ensure vent condenser performance does not deteriorate. A new temperature transmitter was installed in 2009 to give continuous temperature monitoring with operator alarm for elevated condenser outlet temperature to trigger condenser cleaning operations. Result recorded is the maximum temperature value obtained during the reporting period.
(10) A125 – Tank 225 has been added to the reporting sheet at the request of the site inspector

Signed [redacted] Date 21/07/2026

(authorised to sign as representative of Operator)

Permit Reference Number: BR9685IX
Installation: Barry Silicon-Based Manufacturing Installation
Form Number: Agency Form / BR9685IX / W1 / Form Dated 1st March 2010

Operator: Dow Silicones UK Ltd

Quarterly Reporting of Emissions to Water (other than to Sewer) for the period from Q2 2026

Emission Point	Substance / Parameter	Emission Limit Value	Result [1]	Units	Test Method [2]	Sample Date and Times [3]	Accreditation/ Certification [4]	Uncertainty [5]
W1 via M1	Flow	11 000 m^3/day	7112.133	m^3/day	Agreed[10]	02-Jun	MCERT Approved	+/- 0.5%
W1 via M1	Flow	625 m^3/hour	220.939	m^3/hour	Agreed[10]	01-Apr	MCERT Approved	+/- 0.5%
W1 via M1	pH – Min	≥ 6	6.949		To be agreed[11]	24-May	Under Review[11]	+/- 4%
	pH - Max	≤ 9	7.793			11-May		
W1 via M1	Temperature	40 °C [6]	31.010	°C	RTD[12]	09-May	MCERTS Equiv[12]	+/- 0.55 °C
W1 via M1	Suspended solids	30 mg/l [6]	15.942	mg/l[8]	SCA Blue Book 105	Q2 2026	Under Review	+/- 6mg/l
W1 via M1	BOD_5	20 mg/l	4.000	mg/l	SCA Blue Book 130	08-Apr	UKAS	+/- 21%
W1 via M1	Copper	0.1 mg/l [6]	0.077	mg/l[8]	Inductively Coupled Plasma	Q2 2026	In house validated method	+/- 0.0096 mg/l
W1 via M1	Zinc	0.5 mg/l [6]	0.005	mg/l[8]	Inductively Coupled Plasma	Q2 2026	In house validated method	+/- 0.02 mg/l
W1 via M1	Hydrocarbon oil	No visible sheen	No visible sheen		Visual Check	Q2 2026	N/A	N/A
W1 via M1	TOC	100 mg/l	40.317	mg/l	Online TOC analysis	Q2 2026 daily average	In house validated method	TBD
W2	pH – Min	≥ 6	No discharge to river from W2 during this period		pH probe	No discharge to river from W2 during this period	In house validated method	+/- 4%
	pH - Max	≤ 9						
W2	Suspended solids	30 mg/l [16]		mg/l	SCA Blue Book 105		Under Review	+/- 6mg/l
W2	BOD_5	20 mg/l[16]		mg/l	SCA Blue Book 130		UKAS	+/- 21%
W2	COD	125 mg/l [16]		mg/l	Offsite Analysis		UKAS	Unknown
W2	Copper	0.15 mg/l [7,16]		mg/l	Inductively Coupled Plasma		In house validated method	+/- 0.0096 mg/l
W2	Zinc	0.25 mg/l [7,16]		mg/l	Inductively Coupled Plasma		In house validated method	+/- 0.02 mg/l
W2	Hydrocarbon oil	No visible sheen			Visual Check		N/A	N/A

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. gas chromatography.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

[4] The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

[5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

[6] Not more than 5% of measurements in the reporting period shall exceed the limit value.

[7] To be reported for each effluent transfer from W809 to W413.

Dow Notes:

(8) The result is the 95%ile reading for the reporting period to demonstrate compliance with the emission limit value stated, which is a 95%ile limit.

(10) Instrument and measurement technique has been reviewed under improvement item IP8. The final treated effluent Danfloss flow meter FT5098 has been MCERT approved. It has been agreed that from 1 October 2009 onwards that the dry flow rate discharge limit of 11,000 m3/day will apply and that reported flow data will relate purely to treated effluent with storm water flow (from W952 penstock valve) excluded from the totalised discharge from release point W1.

(11) Instrument and measurement technique has been reviewed under improvement item IP10. Existing pH meters will be replaced by MCERT certified pH meter upon failure. Current meters deemed satisfactory in the interim.

(12) Instrument and measurement technique was reviewed under Note 7 Table 2.2.5 and Agency responded. A New MCERT equivalent resistance thermometer was installed by Dow in Q4 2007.

(16) no spot sample shall exceed the emission limit value by more than 50%

Signed [redacted] Date 21/07/2026

(authorised to sign as representative of Operator)