

**RELEASES TO AIR**

**RETURN OF DISCONTINUOUS MONITORING RESULTS**

**Operator:** Dow Silicones UK Ltd  
**Location:** Barry Cogeneration Plant  
**Permit/Variation Number:** EPR/JP3632ZH/V004

**Form:** IED PM1  
**Version:** V.11 Mar 2016

Year: 2024	LCP 60 (A1 & A3 HR-001A & B)				
Six months to -30/6/24					
Measurement approach	NO <sub>x</sub>	SO <sub>2</sub>	CO	Hg	Dust
Time					
Date					
Measurement 1 (mg/m <sup>3</sup> ) <sup>(b)</sup>					
Measurement 2 (mg/m <sup>3</sup> ) <sup>(b)</sup>					
Measurement 3 (mg/m <sup>3</sup> ) <sup>(b)</sup>					
<b>Alternative approach</b> <sup>(c)</sup>					
Method <sup>(d)</sup>		FS			DF
Calculation (mg/m <sup>3</sup> )		0.24			0
<b>Operational data</b> <sup>(a)</sup>					
Load (%MCR)					
Fuel 1 Natural Gas (%)		100			100
Fuel 2 name (%)					
Fuel 3 name (%)					
<b>Daily Emission Limit Value</b>					
(mg/m <sup>3</sup> )					

**NOTES:**

- (a) Operational data for the test period (measurement approach) or the six month period to date (Alternative approach)
- (b) Reference conditions for mg/m<sup>3</sup> are 15% O<sub>2</sub> CCGT, 6% O<sub>2</sub> solid fuels, 3% O<sub>2</sub> for oil and gas, dry, 0°C, 101.325 kPa
- (c) Alternative approach to discontinuous monitoring by agreement with the Competent Authority
- (d) Use abbreviation: NF for agreed NO<sub>x</sub> factor, FS for fuel sulphur content, CS for agreed CO factor, DF for agreed dust factor

Signed on behalf of the Operator by: [REDACTED], Environmental Specialist [REDACTED]

Date of return: 21/02/2025

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**Form:** IED PM1  
**Version:** V.11 Mar 2016

Year: 2024	LCP 60 (A2 FB-001)				
Six months to -30/6/24					
Measurement approach	NO <sub>x</sub>	SO <sub>2</sub>	CO	Hg	Dust
Time					
Date					
Measurement 1 (mg/m <sup>3</sup> ) <sup>(b)</sup>					
Measurement 2 (mg/m <sup>3</sup> ) <sup>(b)</sup>					
Measurement 3 (mg/m <sup>3</sup> ) <sup>(b)</sup>					
<b>Alternative approach</b> <sup>(c)</sup>					
Method <sup>(d)</sup>		FS			DF
Calculation (mg/m <sup>3</sup> )		0.72			0
<b>Operational data</b> <sup>(a)</sup>					
Load (%MCR)					
Fuel 1 Natural Gas (%)		100			100
Fuel 2 name (%)					
Fuel 3 name (%)					
<b>Daily Emission Limit Value</b>					
(mg/m <sup>3</sup> )					

**NOTES:**

- (a) Operational data for the test period (measurement approach) or the six month period to date (Alternative approach)
- (b) Reference conditions for mg/m<sup>3</sup> are 15% O<sub>2</sub> CCGT, 6% O<sub>2</sub> solid fuels, 3% O<sub>2</sub> for oil and gas, dry, 0°C, 101.325 kPa
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Signed on behalf of the Operator by: [Redacted], Environmental Specialist [Redacted]

Date of return: 21/02/2025