

**RELEASES TO AIR
 QUARTERLY RETURN
 MONTHLY MEAN, MAXIMUM DAILY MEAN AND ANNUAL PERCENTILE CONCENTRATIONS
 OPERATING MODE:**

Operator: Dow Silicones UK Ltd **Form:** IED CON 2
Location: Barry Cogeneration Plant **Version/date:** V.3.1 31 Dec 2015
Permit/Variation Number: EPR/JP3632ZH/V004

Year: 2024	A2 / LCP60					
	NOx (mg/m3)			CO (mg/m3)		
Month	Monthly Mean	Max Daily Mean	Part Load Max Daily Mean	Monthly Mean	Max Daily Mean	Part Load Max Daily Mean
January	43.3	49.49		15.7	44.1	
February	43.84	48.87		34.1	54.1	
March	-	43.21		-	18.4	
April	-	54.37		-	18.6	
May	-	0		-	0	
June	-	0		-	0	
July	-	0		-	0	
August	-	0		-	0	
September	-	0		-	0	
October	-	0		-	0	
November	-	0		-	0	
December	-	0		-	0	
Monthly ELV / Daily ELV (f)	100	110		100	110	
Annual 95th Percentile (h)	44.17	100		19.2	40	
Annual Percentile ELV (g)	50.77(30)	200		58.4(30)	200	

NOTES:

- (a) All data based on validated hourly average concentrations, excluding start-up and shut-down and periods of malfunction or breakdown of abatement equipment, at 3% O2, dry, 273.15K, 101.325 kPa
- (b) Annual percentiles are submitted with the final return (Quarter 4)
- (c) Extend report to cover the required number of LCP on each site and repeat report for each separately regulated Operating Mode as required, e.g., Combined Cycle, Open Cycle, Supplementary firing, Auxiliary firing
- (d) Averages determined at loads in the range 70% < Load ≤ 100% ISO base load and above
- (e) Averages determined at loads in the range MSUL* < Load = 100% ISO base load and above (* For a 3 parameter approach, from the point of Start-Up to the point of Shut-down)
- (f) Leave the Daily ELV blank if this is applied as a 95th percentile ELV within the Permit
- (g) For each pollutant, report the Annual 95th percentile ELV for hourly averages in the first column and, if applicable, the Annual 95th percentile ELV for daily means in the second column
- (h) For each pollutant, report the Annual 95th percentile of hourly averages in the first column and, if applicable, the Annual 95th percentile of daily means in the second column

Signed on behalf of the Operator by:

 Environmental Specialist

Date of return:

28th January 2025

No confidence adjustment