

IED AR1

V 3.1.1-2015

IED Reporting - Energy Usage & Emissions for the year:

Q4 2018

Operator:

Dow Silicones UK Ltd

Site Location:

Barry Cogeneration Plant

Permit/Variation number:

EPRJJP3632ZH/V002

LCP:

60.

LCP Net Rated Thermal Input Capacity (MW):

236.

Parameter	TOTAL	By Fuel							
		Coal	Lignite	Peat	Biomass	Other solid fuels	Liquid fuels	Natural gas	Other gases
Annual energy input (TJ)	2583.3						0.12	2583.18	
Total Annual SO2 emission (tonnes)	0								
Total Annual NOx emission (tonnes)	91.29								
Total Annual Dust (PM) emission (tonnes)	0								

Data taken from EU ETS reporting

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Signed on behalf of the Operator



Judith Sartor, Environmental Specialist

Date 7th February 2019

NOTES:

- (a) Annual energy input must be reported in TJ to 1 decimal places
- (b) Annual emissions to air must be reported to 2 decimal places and exclude start-up and shut-down
- (c) All forms must be saved in the format IED AR1—DEFRA IED LCP Number - Inventory Year i.e. IED AR1-XXX-2013
- (d) No PDF documents shall be accepted
- (e) Upload Forms held on GOV.UK will be accepted other variants of the forms will be automatically rejected which may impact their statutory obligations to report on time

**RELEASES TO AIR
ANNUAL RETURN
OPERATING HOURS**

Operator:

Location:

Permit/Variation Number:

**Dow Silicones UK Ltd
Barry Cogeneration Plant
EPR/JJP3632ZH/V002**

Form: **IED HR1**

Version/date: **V.3.1 31 Dec 2015**

Year: 2018	A1 (hours)	Bypass (hours)	A2 (hours)	Bypass (hours)	A3 (hours)	Bypass (hours)	LCP4 (hours)	Bypass (hours)
Annual Operating Hours (a), (b)	6725.92	2243.58	2298.12		3276.1	782.5		
Cumulative Operating Hours (c), (d)								
Derogated Annual Hours (e)								
Five year rolling average (f)								

NOTES:

- (a) Annual operating hours for every LCP from 1-Jan in calendar year. (For gas turbines with a Bypass stack, include the Bypass stack operating hours during normal operation even though these are reported separately).
- (b) For gas turbines with a Bypass stack, report Bypass operating hours from 1-Jan in calendar year, excluding Start-Up and Shut-down, in the adjacent column (labelled Bypass) which may be deleted if not applicable.
- (c) Cumulative operating hours from 1-Jan-2016 for LCP subject to a Limited Lifetime Derogation or a 10,000h monitoring derogation. (For gas turbines with a Bypass stack, include the Bypass stack operating hours during normal operation even though these are reported separately).
- (d) For gas turbines with a Bypass stack, report Bypass Cumulative operating hours from 1-Jan-2016 if subject to a separate 10,000h monitoring derogation, in the adjacent column (labelled Bypass).
- (e) Annual operating hours in calendar year from entry date (in first year as applicable) or from 1-Jan in calendar year, for each 1,500h ELV derogated Unit/LCP only.
- (f) Five year running average from entry date for each 1,500h derogated Unit/LCP only.
- (g) General note: hours are reported as a decimal number to two decimal places.

Signed on behalf of the Operator by:



7th February 2019

Date of return: