

IED AR1 - Chapter 3 Emissions Inventory Reporting Form

Version: 1.6 Dec 2021

IED Reporting - Energy Usage & Emissions for the year:

Select Year: 2024

Operator: Dow Silicones UK Ltd

Site Location: Barry Cogeneration Plant

Permit/Variation number: JP3632ZH/V004 LCP: 60

LCP Net Rated Thermal Input Capacity (MW): 188

Number of annual operating hours of the LCP: 6510.63

Number of annual operating hours (1500h units):

Parameter	TOTAL	By Fuel							
		Coal	Lignite	Peat	Biomass	Other solid fuels	Liquid fuels	Natural gas	Other gases
Annual energy input (TJ)	2269.5							2269.52	
Total Annual SO ₂ emission (tonnes)									
Total Annual NO _x emission (tonnes)	34.85								
Total Annual Dust (PM) emission (tonnes)									

Signed on behalf of the Operator

[Redacted Signature]
Environmental Manager

Date: 4th March 2025

NOTES:

- (a) Annual energy input must be reported in TJ to 1 decimal place and includes start-up and shutdown
- (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-2022
- (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

Breakdown of other solid fuels (if applicable)

Fuel Name	Annual Energy Input (TJ)
Coke	
Patent fuels	
Tar	
Other - please insert name	
Other - please insert name	
Other - please insert name	
Other - please insert name	
TOTAL	0.0

Breakdown of other gaseous fuels (if applicable)

Fuel Name	Annual Energy Input (TJ)
Blast furnace gas	
Coke oven gas	
Furnace gas	
LPG	
Oxygen steel	
Refinery gas	
Biogas	
Other - please insert name	
TOTAL	0.0