

Permit Number: EPR/AB3893FZ

Operator: IQE Silicon Compounds Limited

Facility: Newport Semi-Conductor Facility

Form Number: Performance1

Reporting of other performance indicators for the period 01/01/2023 to 31/12/2023

Parameter	Units
Water usage	4830m ³
Energy usage (Electricity)	14200.31mwh
Waste generated	Hazardous – 4.59 tonnes
	Non-hazardous – 12209kg
Energy usage (Gas)	2407.62Mwh

Operator's comments : 2023 figures versus 2022 figures show a 50% increase in water. Electricity and gas usage has roughly stayed the same through 2023 as 2022. The amount of hazardous waste generated was reduced however it was complimented by an increase in non-hazardous waste.

Signe



(Authorised to sign as representative of Operator)

Date 30/01/2024

Permit Reference Number: EPR/AB3893FZ

Operator: IQE Silicon Compounds Newport

Installation: IQE Silicon Compounds Limited Newport Semi-Conductor Facility Imperial Park Celtic Way Celtic Lakes Newport NP10 8BE

Form: E1

Reporting of Energy usage for the year: **2023**

			Year	Primary Energy Usage	CO ₂ Produced	CO2 per unit output (in ² wafer used)(Grammes)
Delivered Electricity (Mwh)	6268.82		2019	16990.29	1884.51	0.0025g
			2020	24879.00	2387.84	0.0020g
Primary Electricity (Mwh)*	14200.31		2021	14710.36	2441.92	0.0024g
			2022	15045.17	2467.50	0.0020g
Primary Carbon Dioxide (Tonnes)**	2357.25					
Delivered Gas (Mwh)	2407.62					
TOTAL ENERGY USE (Mwh) (primary electricity + gas)	16557.52					

*Conversion factor for primary electricity = delivered electricity X 2.4

** Conversion factor for primary carbon dioxide = primary electricity x 0.166

29/01/2024

Operator's Comments:

CO₂ per unit output = primary CO₂ / wafers used

In² wafers used 2023 = 1233471.74

CO₂ per unit output = 0.013 g

Total amount of wafers produced in kg = 1702.92

Date of Form: 21/01/2014

Permit Reference Number: EPR/AB3893FZ

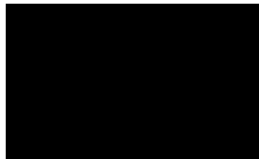
Operator: IQE Silicon Compounds Newport

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Form: W1

Release for year ending: 31/12/2023.

Activity	Use	Amount used for year (m ³)	% of Total	Amount used Previous year (m ³)	% Change
Mains water received	Supply	4830			
Other	Domestic				
	Total water use	4830	100%	2687	+55.6%



Senior HSE Lead

19/1/2024

*Authorised to sign as a representative of the Operator.

Date of Form: 21/01/2014