

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

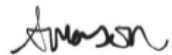
Form: E1

Reporting of Energy usage for the year: **2022**

			Year	Primary Energy Usage	CO ₂ Produced	CO ₂ 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)*	15045.17		2021	14710.36	2441.92	0.0024g
Primary Carbon Dioxide (Tonnes)**	2497.50					
Delivered Gas (Mwh)	2337.71					
TOTAL ENERGY USE (Mwh) (primary electricity + gas)	4835.21					

*Conversion factor for primary electricity = delivered electricity X 2.4

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



20/01/2023

Operator's Comments:

CO₂ per unit output = primary CO₂ / wafers used

ln² wafers used 2022 = 1,233,471.74

CO₂ per unit output = 0.0020g

Total amount of wafers produced in kg = 2,573.02

Date of Form: 21/01/2014

Permit Reference Number: EPR/AB3893FZ

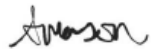
Operator: IQE Silicon Compounds Newport

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

Form: W1

Release for year ending: 31/12/2022.

Activity	Use	Amount used for year (m ³)	% of Total	Amount used Previous year (m ³)	% Change
Mains water received	Supply	2687			
Other	Domestic				
	Total water use	2687	100%	2022	+24.74%



Andrew Mason

IQE Group HSE Manager UK and Asia

18/1/2023

*Authorised to sign as a representative of the Operator.

Date of Form: 21/01/2014

Permit Number: EPR/AB3893FZ

Operator: IQE Silicon Compounds Limited

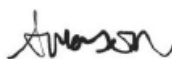
Facility: Newport Semi-Conductor Facility

Form Number: Performance1

Reporting of other performance indicators for the period 01/01/2022 to 31/12/2022

Parameter	Units
Water usage	2687m ³
Energy usage (Electricity)	15045.17mwh
Waste generated	Hazardous – 5.06 tonnes
	Non-hazardous – 11181kg
Energy usage (Gas)	2337.71Mwh

Operator's comments : 2022 figures versus 2021 figures show a slight increase in water, electricity usage and Hazardous materials but a reduction in non-hazardous wastes. The increases can be contributed to an increase in production at the site.

Signed 
(Authorised to sign as representative of Operator)

Date 18/01/2023