

Permit Reference Number: KP3235SS

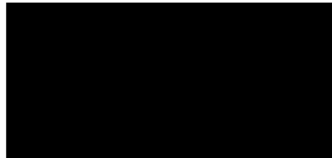
Operator: IQE (Europe) Limited

Installation: IQE (Europe) Limited, Pascal Close, St. Mellons, Cardiff, CF3 0LW

Form: W1

Release for year ending: 31/12/23.

Activity	Use	Amount used for year (m ³)	% of Total	Amount used Previous year (m ³)	% Change
Mains water received	Supply	1976			
Other	Domestic				
	Total water use	1976	100%	1861	+2.5%



IQE Senior HSE Lead

29/1/2024

*Authorised to sign as a representative of the Operator.

Date of Form: 21/01/2014

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Form: R1.

Reporting of Waste Disposal & Recovery for the year **2023**.

Hazardous Wastes	Tonnes (T)	Comment	Year	Named Waste (T)	Total Waste (T)	Waste per Unit Output (in ² wafer used)(Gramms)
Named hazardous wastes	148.41	Weighed	2005	184.2	184.2	0.0039g
Other hazardous wastes			2006	204.5	204.5	0.0036g
			2007	175.5	175.5	0.0023g
Total hazardous waste	148.41		2008	195.6	195.6	0.0058g
			2009	170.6	170.6	0.0014g
Non-Hazardous Wastes			2010	259.14	259.14	0.0014g
Named non- hazardous wastes	3.6	Weighed	2011	250.45	250.45	0.0012g
Other non- hazardous wastes			2012	278.44	278.44	0.0016g
			2013	343.00	343.00	0.0018g
Total non- hazardous waste	3.6		2014	323.035	323.035	0.0015g
			2015	431.6	431.6	0.0016g
TOTAL WASTE	152.01		2016	414.81	414.81	0.0011g
			2017	550.54	550.54	0.0006g
			2018	543.41	543.41	0.0006g
			2019	391.95	391.95	0.0007g
			2020	294.36	294.36	0.0009g
			2021	248.61	248.61	0.0008g
			2022	194.46	194.46	0.001g
Operator's Comments: Waste per unit output = Hazardous + Non-hazardous / in ² of wafers used. Wafers used in 2023 = 123396.26 in ² Waste per unit output in 2022 = 0.0012g				* Non – hazardous wastes. Waste Stream 1 Biffa: Total Collections = 9061kg. Waste to Energy = 5377kg. Waste to Recycling = 2784kg. Waste to Landfill 900kg.		

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29/1/2024

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Form: E1

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

			Year	Primary Energy Usage	CO ₂ Produced	CO ₂ per unit output (in ² wafer used)
Delivered Electricity (Mwh)	4570.55		2008	10,589.8	1757.9	0.0052g
			2009	9404	1561	0.0013g
Primary Electricity (Mwh)*	10969.31		2010	9428.75	1565.17	0.0088g
			2011	8649.69	1435.84	0.0068g
Primary Carbon Dioxide (Tonnes)**	1820.91		2012	9463.34	1439.28	0.0085g
			2013	9425.05	1445.13	0.0079g
Delivered Gas (Mwh)	1233.68		2014	8205.37	1362.09	0.0063g
			2015	8641.50	1434.49	0.0053g
TOTAL ENERGY USE (Mwh) (primary electricity + gas)	12202.99		2016	9321.82	1547.42	0.0044g
			2017	12202.56	2025.62	0.0023g
			2018	13918.81	2072.04	0.0025g
			2019	13811.44	2051.22	0.0037g
			2020	12986.73	1953.36	0.0061g
			2021	13847.35	1913.50	0.0071g
			2022	12072.14	1776.93	0.0047g

*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 2022 = 398787.49 in²

CO₂ per unit output = 0.0047g

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