

IQE Silicon Compounds Ltd

Environmental Releases From Energy Usage

Release Summary for 12 months ending 31/12/14

Operator: IQE Silicon Compounds Ltd

Permit Number:

BJ6968

Location: St. Mellons

Energy Source	Annual emissions to the environment, kg ¹			
	CO ₂ as C	SO ₂	Nox	Particulates
Electricity	283904	3100	1886	1265.7
Gas	1477	0	9	0.1
Total	285381	3100	1895	1265.8

Note 1: This data should be estimated using appropriate emission factor for gas and electricity, recorded below.

Gas: See attached form

Electricity: See attached form

Signed on behalf of the Operator:

Dated: 26/01/2015

Form E1(Version date 30/04/01)

Form E1 Attachment -

	Energy Used (kWh)	CO2 as C	SO2	NOx	Particulates
Electricity	2583056.6	283903.8	3099.7	1885.6	1265.7
Gas	28841.4	1477.1	0.0	9.3	0.1
Gas Therms	984.07				
Total	2611897.98	285380.84	3099.67	1894.98	1265.80

Gas Volume - kWh	Annual Units	Correction Factor	Adjusted Units (M3)	Calorific Value	kWh
	2586.56	1.02264	2645.12	39.253	28841.38

Energy Source	Energy Emission Factor				
	Unit	CO2 as C	SO2	NOx	Particulates
Electricity	Kg/kWh	0.10991	0.0012	0.00073	0.00049
Natural Gas	g/Therm	1501	0	9.5	0.108

	Energy Used (kWh)
Electricity	2014
Jan	205185.3
Feb	201665.8
Mar	210488.2
Apr	194018.3
May	238081.5
Jun	244523.6
Jul	255532.4
Aug	218724.3
Sep	237251.4
Oct	185060.1
Nov	184132.5
Dec	208393.2
Gas	
Jan	
Feb	
Mar	13323.73
Apr	
May	
Jun	3842.76
Jul	
Aug	
Sep	678.92
Oct	
Nov	
Dec	10995.97
Gas Therms	
Total	

Gas Volume - kWh	Annual Units

Energy Source	Energy Emission Factor
	Unit
Electricity	Kg/kWh
Natural Gas	g/Therm