IQE Silicon Compounds Ltd

RELEASE INTO AIR

Release Summary for 12 months ending 04/01/2016

Operator: IQE Silicon Compounds Ltd **Permit Number:** BJ6968

Location: St. Mellons Release Points **A1 - A6**

Release points shall be sampled on an annual basis

Release Point Number (A1-A6, A26-A37)							
		A1	A2	A3	A4	A5	A6
Substance g/hr	Date Sampled	30.11.16	01.12.16	30.11.16	30.11.16	12.12.16	--
Total Silanes (g/hr)		0.0013516	0.001953	0.002044	0.003726	0.002623	X
Arsine (g/hr)		0.0000090	0.0000041	0.0000043	0.000005	0.0000080	X
Phosphine (g/hr)		0.0035570	0.0020554	0.0021519	0.002484	0.004036	X
Diborane (g/hr)		0.0012449	0.000822	0.000861	0.000994	0.001614	X
Germane (g/hr)		0.0000007	X	X	0.000097	0.000022	X

Note 1: Columns to be annotated with appropriate Release Point Number. Use additional copies of the form as required.
X - denotes gas not used on the reactor
--' - denotes reactor shut down

Signed on behalf of Operator: 

Dated: 04/01/2017 **Form A2(Version date 30/04/01)**

IQE Silicon Compounds Ltd

Environmental Releases From Energy Usage

Release Summary for 12 months ending 31/12/16

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	278720	3043	1851	1242.6
Gas	1663	0	11	0.1
Total	280383	3043	1862	1242.7

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: 16/01/2017 **Form E1(Version date 30/04/01)**