

# **IQE Silicon Compounds Ltd**

## **RELEASE INTO AIR**

Release Summary for 12 months ending 31/12/2022

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 North1 | A2 North 2 | A3 North 3 | A4 South 1 | A5 South 2 | A6 |
| Substance g/hr                        | Date Sampled |           | 29/11/2022 | 29/11/2022 | 29/11/2022 | 29/11/2022 |    |
| Total Silanes (g/hr)                  |              | X         | 0.014084   | 0.003741   | 0.581789   | 0.004031   | X  |
| Arsine (g/hr)                         |              | X         | 0.000002   | 0.000001   | 0.000013   | 0.000001   | X  |
| Phosphine (g/hr)                      |              | X         | 0.004226   | 0.005345   | 0.018183   | 0.001814   | X  |
| Diborane (g/hr)                       |              | X         | 0.000939   | 0.001069   | 0.003639   | 0.000403   | X  |
| Germane (g/hr)                        |              | X         | 0.000005   | 0.000004   | 0.010731   | 0.000002   | 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: 19/01/2023

Form A2 (Version date 30/04/01)