Cyfoeth Naturiol Cymru
Natural Resources Wales

Statutory Notice

The Environmental Permitting (England and Wales) Regulations 2016
Regulation 61(1)

NOTICE REQUIRING INFORMATION

To: The Company Secretary
IQE Silicon Compounds Limited
Beech House
Pascal Close
St Mellons
Cardiff
CF3 0LW

This notice relates to the activities you operate that are authorised by the permit number(s) specified below (each permit number is shown with the appropriate operating address).

Permit number	**Operator**	**Site address**
EPR/AB3893FZ	IQE Silicon Compounds Limited	Newport Semi Conductor Facility Imperial Park Celtic Way Celtic Lakes Newport NP10 8BE

Natural Resources Wales requires you to provide the information specified in the attached Schedule 1 in respect of each Permit referred to above:

- For every calendar year by the 31st March of the following year, until further notice is given.
- The information must be provided by submission of an electronic return via the reporting system http://prtr.defra.gov.uk/data-entry-system/

Date: 14 January 2019

Signed: Caitriona Harvey
Mrs C Harvey
Industry and Waste Regulation Taff & Ely Team Leader

Natural Resources Wales
Rivers House
Fortran Road
St Mellons
Cardiff
CF3 0EY

Please see over for notes.

DGN 193 FORM 14

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Notes:

General

1. For the purposes of discharging its functions under the Environmental Permitting (England and Wales) Regulations 2016, Natural Resources Wales may (by virtue of Regulation 61(1) of those Regulations), require any person to provide information.

2. Failure to comply with this notice without reasonable excuse is an offence under Regulation 38(4)(a) of the Environmental Permitting (England and Wales) Regulations 2016, and may lead to legal action being taken against you.

3. Making any statement in response to this notice that you know to be false or misleading in a material particular, or recklessly making any statement which is false or misleading in a material particular is an offence under Regulation 38(4)(b) of the Environmental Permitting (England and Wales) Regulations 2016, and may lead to legal action being taken against you.

4. There is no right to appeal against this notice.

5. You may wish to seek independent legal advice.

Legislation note

In this document "Natural Resources Wales" means the Natural Resources Body for Wales established by Article 3 of the Natural Resources Body for Wales (Establishment) Order 2012. On 01 April 2013 the Natural Resources Body for Wales (Functions) Order 2013 transferred the relevant functions of the Countryside Council for Wales, and functions of the Environment Agency and the Forestry Commission in Wales to the Natural Resources Body for Wales.

SCHEDULE 1
INFORMATION REQUIRED

NRW Emissions Inventory – Schedule 1

In Wales, emissions to air, water and off-site transfers of waste and of specified substances in wastewater[1] are collected annually to enable us to report to the European Environment Agency for the European Pollution Release and Transfer Register (E-PRTR) and to DEFRA for the UK Pollutant Release and Transfer Register (UK-PRTR) and the National Atmospheric Emissions Inventory (NAEI). The information we collect is used to provide information to the general public and policy makers, so that they can make informed decisions about how we manage our environment for future generations. You are required to report information relating to the annual releases[2] of substances specified in this Schedule.

Release and transfer information must be submitted in accordance with the dates specified in the enclosed Environmental Permitting (England and Wales) Regulations 2016 Regulation 61 (1) Notice.

The information required by this Schedule should be reported to us via DEFRA's web-based PRTR reporting system, http://prtr.defra.gov.uk/data-entry-system/

For new facilities, login details will be sent to the same email address that this notice is sent to unless you tell us otherwise. This email address will be the username for the web-based reporting system. If you already have a login for this system, the login details will remain unchanged.

This Schedule is valid from 1st January 2017 until revised.

The web-based reporting system consists of the following main parts:

1. Dashboard
2. Edit your details
3. Facility data entry –
   - Releases to air
   - Releases to waters (controlled waters)
   - Wastewater transfer[1]
   - Non-hazardous (off-site transfer of non-hazardous waste in the UK)

[1] Transfers in wastewater should include masses of specified substances in any wastes transferred via sewer or other means (e.g. tanker) direct to waste-water treatment works.
[2] A release is "any introduction of pollutants into the environment as a result of human activity, whether deliberate or accidental, routine or non-routine, including spilling, emitting, discharging, injecting, disposing or dumping or through sewer systems without final waste-water treatment."

Hazardous, domestic (off-site transfer of hazardous waste in the UK)
Hazardous Transboundary (Overseas waste transfers)

The requirements of each part are set out below. Full details of what is in each section of the reporting system and full user instructions can be found on the reporting tool website

Dashboard

The dashboard will provide details of each of your facilities and at which point in the submission process they currently rest. It will also show a date stamp to help track when the data was last reviewed and updated.

Edit your details

This section will contain and allow you to edit information such as name, email address, company, parent company and password.

Facility data entry

Releases to air, water and wastewater

The following tables list the individual reportable substances for each environmental medium (air, water and wastewater) and the reporting thresholds that apply to those substances.

The information you will have to provide for each reportable substance includes:

- **Total releases** - the sum of **all** releases from the 'reporting unit' (reporting unit describes EPR permitted facility) including *fugitive* emissions. These should be expressed in kg/year to three significant figures. If the total releases are below the reporting threshold then leave the cell blank. The *Remarks* field may be used to record comments e.g. to indicate that the substance is released below the reporting threshold.

- **Accidental releases** – these are unplanned and un-permitted emissions of a particular substance or substances. There is no reporting threshold for accidental releases so all accidental releases should be reported. If there have been no accidental releases, leave the cell blank.

Please note that operators are encouraged to provide data where data is available even when releases and transfers are below reporting threshold for completeness of the data set.

Substances not released should be left blank.

Method of release determination

This requires identification of the method used to generate the reported releases and transfers, that is *M = Measurement*, *C = Calculation* or *E = Estimation*. Where the data reported is based on *Measurement* or *Calculation*, further details are required. Please refer to the Operator User Guidelines available on the reporting tool website

Releases to air

Reportable Substance	CAS no.	Reporting threshold (kg) ***
1,1,1-trichloroethane (methyl chloroform)	71-55-6	100
1,1,2,2-tetrachloroethane (tetrachloroethane)	79-34-5	50
1,2,3,4,5,6-hexachlorocyclohexane (HCH)	608-73-1	10
1,2-dichloroethane (ethylene dichloride) (EDC)	107-06-2	1 000
Aldrin	309-00-2	1
Ammonia	7664-41-7	10 000
Anthracene	120-12-7	50
Arsenic and compounds as As		20
Asbestos	1332-21-4	1
Benzene	71-43-2	1 000
Benzo(a)pyrene	50-32-8	1
Benzo(b)fluoranthene	205-99-2	1
Benzo(g,h,i)perylene *	191-24-2	1
Benzo(k)fluoranthene	207-8-9	1
Beryllium *	7440-41-7	1
Butadiene (1,3-butadiene)	106-99-0	100
Cadmium and compounds as Cd		10
Carbon dioxide	124-38-9	100 000 000
Carbon dioxide excluding biomass **	124-38-9	100 000 000
Carbon monoxide	630-08-0	500 000
Chlordane	57-74-9	1
Chlordecone	143-50-0	1
Chlorine and inorganic chlorine compounds - as HCl		10 000
Chlorofluorocarbons (CFCs)		1
Chromium and compounds as Cr		100
Copper and compounds as Cu		100
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	10
Dichlorodiphenyltrichloroethane (DDT)	50-29-3	1
Dichloromethane (DCM) (methylene chloride)	75-09-2	1 000
Dieldrin	60-57-1	1
Dioxins and furans (PCDDs/PCDFs) - as I-TEQ		0.00001
Dioxins and furans (PCDDs/PCDFs) - as WHO TEQ		0.00001
Endrin	72-20-8	1
Ethylene oxide (1,2-epoxyethane)	75-21-8	1 000
Fluorine and inorganic fluorine compounds - as HF		5 000
Halons		1
Heptachlor	76-44-8	1
Hexabromobiphenyl	36355-1-8	0.1
Hexachlorobenzene (HCB)	118-74-1	10

Reportable Substance	CAS no.	Reporting threshold (kg) ***
Hydrochlorofluorocarbons (HCFCs)		1
Hydrofluorocarbons (HFCs)		100
Hydrogen cyanide	74-90-8	200
Indeno(1,2,3-cd)pyrene	193-39-5	1
Lead and compounds as Pb		200
Lindane	58-89-9	1
Manganese *	7439-96-5	1
Mercury and compounds as Hg		10
Methane	74-82-8	100 000
Mirex	2385-85-5	1
Naphthalene	91-20-3	100
Nickel and compounds as Ni		50
Nitrogen oxides (NO and NO_2) as NO_2		100 000
Nitrous oxide (N_2O)	10024-97-2	10 000
Non-methane volatile organic compounds (NMVOCs)		100 000
Particulate matter - PM_{10}		1 000
Particulate matter - $PM_{2.5}$		1 000
Particulate matter - total		10 000
Pentachlorobenzene	608-93-5	1
Pentachlorophenol (PCP)	87-86-5	10
Perfluorocarbons (PFCs)		100
Polychlorinated biphenyls (PCBs)	1336-36-3	0.1
Selenium	7782-49-2	100
Sulphur hexafluoride	2551-62-4	50
Sulphur oxides (SO_2 and SO_3) as SO_2		150 000
Tetrachloroethylene (PER)	127-18-4	2 000
Tetrachloromethane (carbon tetrachloride) (TCM)	56-23-5	100
Tin *	7440-31-5	1
Toxaphene	8001-35-2	1
Trichlorobenzene - all isomers (TCBs)	12002-48-1	10
Trichloroethylene	79-01-6	2 000
Trichloromethane (chloroform)	67-66-3	500
Vanadium *	7440-62-2	1
Vinyl chloride	75-01-4	1 000
Zinc and compounds as Zn		200

* Reporting is optional

** Carbon dioxide emissions minus carbon dioxide from qualifying renewable fuel sources
The combustion of biofuels and materials is considered to be carbon neutral as, providing there is no long-term decline in the total carbon embodied in standing

biomass, this activity does not significantly add to atmospheric carbon concentrations. Therefore national level GHG inventories under the IPCC guidelines exclude carbon dioxide emissions from the combustion of biofuels and materials.

*** Operators are encouraged to submit values for releases below the reporting threshold if they have the data

Releases to water and transfers to wastewater

The figures for releases to controlled waters and transfers in wastewater should be reported separately.

Reportable Substance	CAS no.	Reporting threshold (kg) ***
1,2,3,4,5,6-hexachlorocyclohexane (HCH)	608-73-1	1
1,2-dichloroethane (ethylene dichloride) (EDC)	107-06-2	10
Alachlor	15972-60-8	1
Aldrin	309-00-2	1
Anthracene	120-12-7	1
Arsenic and compounds as As		5
Asbestos	1332-21-4	1
Atrazine	1912-24-9	1
Benzene	71-43-2	200 (as BTEX*)
Benzo(g,h,i)perylene	191-24-2	1
Brominated diphenylethers - penta-, octa- and deca- (PBDE)		1
Cadmium and compounds as Cd		5
Chlordane	57-74-9	1
Chlordecone	143-50-0	1
Chlorfenvinphos	470-90-6	1
Chlorides - as Cl		2 000 000
Chloro-alkanes (C_{10}-C_{13})	85535-84-8	1
Chlorpyrifos	2921-88-2	1
Chromium and compounds as Cr		50
Copper and compounds as Cu		50
Cyanides - as CN		50
Dichlorodiphenyltrichloroethane (DDT)	50-29-3	1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	1
Dichloromethane (DCM) (methylene chloride)	75-09-2	10
Dieldrin	60-57-1	1
Dioxins and furans (PCDDs/PCDFs) - as I-TEQ		0.0001
Diuron	330-54-1	1
Endosulphan	115-29-7	1
Endrin	72-20-8	1
Ethyl benzene	100-41-4	200 (as BTEX*)
Ethylene oxide (1,2-epoxyethane)	75-21-8	10
Fluoranthene	206-44-0	1
Fluorides - as F		2 000
Halogenated organic compounds - as AOX		1 000
Heptachlor	76-44-8	1
Hexabromobiphenyl	36355-1-8	0.1

Reportable Substance	CAS no.	Reporting threshold (kg) ***
Hexachlorobenzene (HCB)	118-74-1	1
Hexachlorobutadiene (HCBD)	87-68-3	1
Isodrin	465-73-6	1
Isoproturon	34123-59-6	1
Lead and compounds as Pb		20
Lindane	58-89-9	1
Mercury and compounds as Hg		1
Mirex	2385-85-5	1
Naphthalene	91-20-3	10
Nickel and compounds as Ni		20
Nonylphenols and nonylphenol ethoxylates (NP/NPEs)		1
Octylphenols and octylphenol ethoxylates	1806-26-4	1
Organotin compounds - as Sn		50
Pentachlorobenzene	608-93-5	1
Pentachlorophenol (PCP)	87-86-5	1
Phenols - as total C	108-95-2	20
Polychlorinated biphenyls (PCBs)	1336-36-3	0.1
Polycyclic aromatic hydrocarbons (PAHs)		5
Simazine	122-34-9	1
Tetrachloroethylene (PER)	127-18-4	10
Tetrachloromethane (carbon tetrachloride) (TCM)	56-23-5	1
Toluene	108-88-3	200 (as BTEX*)
Total nitrogen		50 000
Total organic carbon (TOC)		50 000
Total phosphorus		5 000
Toxaphene	8001-35-2	1
Tributyltin and compounds - as TBT		1
Trichlorobenzene - all isomers (TCBs)	12002-48-1	1
Trichloroethylene	79-01-6	10
Trichloromethane (chloroform)	67-66-3	10
Trifluralin	1582-09-8	1
Triphenyltin and compounds - as TPT		1
Vinyl chloride	75-01-4	10
Xylene - all isomers	1330-20-7	200 (as BTEX*)
Zinc and compounds as Zn		100

* single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene and xylenes) is exceeded.

*** Operators are encouraged to submit values for releases below the reporting threshold if they have the data

Off-site waste transfers

This includes all off-site transfers of activity-related wastes **except** wastewaters which should be reported separately as chemical-specific transfers in the wastewater transfer section. An off-site transfer of waste means the movement beyond the boundaries of a facility of waste destined for disposal or recovery.

Operators shall report off-site transfers of:

- hazardous waste (HW) exceeding 2 tonnes per year.
- non-hazardous waste (non-HW) exceeding 2,000 tonnes per year.

For off-site transfers of activity-related wastes, the following information should be provided:

- Weight, in tonnes;
- Identification of the method used to generate the reported data, that is *M = Measurement*, *C = Calculation* or *E = Estimation*, including further details of any *Measurement* or *Calculation* method used.
- Transfers to disposal and recovery should be recorded separately
- Transfers of hazardous and non-hazardous waste should be recorded separately.

Transboundary waste transfer

Any activity-related hazardous waste that is sent directly overseas for disposal or recovery should be reported.

The following information should be provided:

- Total Weight in tonnes;
- Identification of the method used to generate the reported data, that is *M = Measurement*, *C = Calculation* or *E = Estimation*, including further details of any *Measurement* or *Calculation* method used;
- Details of the Disposal company and disposal sites. A library of disposal companies and sites is held in the database. Site and companies not in the library can be created, please see the Operator User Guidelines available on the reporting system website for full details on how to do this.

Further information

Additional guidance is available for intensive agriculture installations.

Further information on the requirements of E-PRTR including information on the industrial activities required to report under E-PRTR can be found on the *European Pollutant Release and Transfer Register (E-PRTR)* website http://prtr.ec.europa.eu/