

The Scottish Pollutant Release Inventory (SPRI) Schedule 2024

*This Schedule covers the year 2024 for which reports must be submitted by 28th February 2025*

**DO NOT COMPLETE THIS SCHEDULE**

This Schedule should be used to identify the information on pollutant emissions and waste transfers which must be reported to the Scottish Pollutant Release Inventory.

To make your annual return, you should complete the operator form supplied to the SPRI contact by email, unless you have an agreed alternative arrangement to supply SEPA with this data. Note that parts of the form will be pre-populated with your information.

**Sections A to G** – Show the information you are required to report to SPRI.

**Section H** – Identifies the Activities which require emissions and waste transfers to be reported for any Facility carrying them out.

**Updates for 2024:**

Administrative updates to reflect the new reporting method are included.

**Section A – Address and contact information**

Information in this section is carried over annually. You should inform us if any part of it has changed since your 2023 SPRI return was submitted.

|  |  |
| --- | --- |
| **NIC number** |  |
| **Facility details:** |  |
| Facility name |  |
| Facility address |  |
| **Authorisation, Licence or Permit Number(s)** |  |
| **Company details:** | “Company” refers to the company that has been granted an authorisation by SEPA to operate under a particular regulation at a particular facility. |
| Company name |  |
| Registered Company Number | Where applicable. |
| Proper address | The Proper Address is the address to which SEPA sends all formal correspondence such as Notices, Licences and Variations. This is the address to which SEPA will serve the Notice under Regulation 63(2) of the Pollution Prevention and Control (Scotland) Regulations 2012 (as amended). |
| Company email address |  |
| SPRI contact details: | The contact details of the individual within the company who is responsible for ensuring the company meets its obligations to SPRI.(This may not be the person who completes the return). |
| Contact name |  |
| Contact telephone number |  |
| Contact email address |  |

**Section B – Activity information**

Information in this section is carried over annually. You should inform us if any part of it has changed since your 2023 SPRI return was submitted.

Further information on SPRI activity codes is available at the [SPRI activity and SIC codes](https://www.sepa.org.uk/environment/environmental-data/spri/spri-activity-sic-codes/) webpage.

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Code | Description |
| Main/Primary Activity at Installation | SPRI |  |  |
| Sub-activity 1 | SPRI |  |  |
| Sub-activity 2 | SPRI |  |  |
| Sub-activity 3 | SPRI |  |  |
| Etc. | SPRI |  |  |

**Section C – Pollutant releases**

Please check the guidance listed on the [SPRI](https://www.sepa.org.uk/environment/environmental-data/spri/operator-guidance/) [webpages](https://www.sepa.org.uk/environment/environmental-data/spri/operator-guidance/) for detailed information on completing your return.

For all pollutants emitted you must provide:

| Name of field | Field type | What should you provide? |
| --- | --- | --- |
| Measurement type (M, C or E) | Drop down | State whether your emission value is Measured, Calculated or Estimated. |
| Method type | Drop down | Use the option which best matches the method you used to produce your emission value.Where available the method must include the UK or international quality standard reference number(s). |
| Method description | Free text (unlimited) | Please explain how you produced the emission value. Include calculations where appropriate.The more information you provide, the less likely we will contact you for clarification. |
| Value (kg) | Number | Enter your annual total emission value.This value should be the total emission of the identified pollutant to the specified media for the reporting year. It should include any accidental releases if reportable to SEPA. The threshold condition (ART/BRT/NE) will be automatically calculated based on your emission value. If there was no emission this year but there is likely to be emissions in future years, then input zero (0) for no emission (NE). Only for landfill sites: if Gassim model is used and that the output is BRT (without a value), leave the cell blank and the threshold condition should automatically display BRT.Give values in kilograms, to three significant figures.NB: If you need to report accidental emission of a pollutant, ensure the value is included in the total emission and complete the Accidental release of pollutants section on the Return information tab. |
| Qualification | Free text (unlimited) | Explain any differences from the previous year's data, especially if flagged by check fields. More information here helps us validate your data and reduces the likelihood of us having to contact you for clarification. |

If your facility has released additional pollutants to those pre-populated on your form in 2024, you should check the tables below to see whether they should be reported. If so, let us know on the *Additional pollutants* section of the Return information tab, and we will contact you for further information.

Pollutants and thresholds are given in the tables below.

**Pollutant releases to air**

| **CAS No.** | **Pollutant (systemic name)** | **Pollutant (common name)** | **Threshold** **kg/yr** |
| --- | --- | --- | --- |
| **Pollutant releases to air** |
| **Inorganics** |
| 7664-41-7 | NH3 | Ammonia | 1,000 |
| 1332-21-4 | - | Asbestos | 1 |
| 124-38-9 | CO2 | Carbon dioxide | 10,000,000 |
| 630-08-0 | CO | Carbon monoxide | 100,000 |
| 7647-01-0 | HCl | Hydrogen chloride | 10,000 |
| 74-90-8 | HCN | Hydrogen cyanide | 100 |
| 10024-97-2 | N2O | Nitrous oxide | 10,000 |
| 2551-62-4 | SF6 | Sulphur hexafluoride | 10 |
| **Organics** |
| 309-00-2 | - | Aldrin | 1 |
| 120-12-7 | - | Anthracene | 10 |
| 71-43-2 | - | Benzene | 1,000 |
| 50-32-8 | - | Benzo(a)pyrene | 1 |
| 106-99-0 | 1,3-Butadiene | Butadiene | 100 |
| 56-23-5 | Tetrachloromethane | Carbon tetrachloride | 10 |
| 57-74-9 | - | Chlordane | 1 |
| 143-50-0 | - | Chlordecone | 1 |
| 67-66-3 | Trichloromethane | Chloroform | 100 |
| 218-01-9 | - | Chrysene | 10 |
| 117-81-7 | DEHP | Di(2-ethylhexyl) phthalate | 10 |
| – | DDT – all isomers | Dichlorodiphenyltrichloroethane – all isomers | 1 |
| 60-57-1 | - | Dieldrin | 1 |
| 72-20-8 | - | Endrin | 1 |
| 107-06-2 | 1,2-Dichloroethane | Ethylene dichloride | 1,000 |
| 75-21-8 | 1,2-Epoxyethane | Ethylene oxide | 1,000 |
| 50-00-0 | Methanal | Formaldehyde | 10 |
| 76-44-8 | - | Heptachlor | 1 |
| 36355-01-8 | - | Hexabromobiphenyl | 0.1 |
| 118-74-1 | - | Hexachlorobenzene | 1 |
| 608-73-1 | - | Hexachlorocyclohexane – all isomers | 1 |
| 193-39-5 | - | Indeno (1, 2, 3-cd) pyrene | 1 |
| 58-89-9 | - | Lindane | 1 |
| 74-82-8 | - | Methane | 10,000 |
| 72-20-8 | - | Endrin | 1 |
| 107-06-2 | 1,2-Dichloroethane | Ethylene dichloride | 1,000 |
| 75-21-8 | 1,2-Epoxyethane | Ethylene oxide | 1,000 |
| 50-00-0 | Methanal | Formaldehyde | 10 |
| 76-44-8 | - | Heptachlor | 1 |
| 36355-01-8 | - | Hexabromobiphenyl | 0.1 |
| 118-74-1 | - | Hexachlorobenzene | 1 |
| 608-73-1 | - | Hexachlorocyclohexane – all isomers | 1 |
| 193-39-5 | - | Indeno (1, 2, 3-cd) pyrene | 1 |
| 58-89-9 | - | Lindane | 1 |
| 74-82-8 | - | Methane | 10,000 |
| 74-87-3 | Chloromethane | Methyl chloride | 1,000 |
| 71-55-6 | 1,1,1-Trichloroethane | Methyl chloroform | 10 |
| 75-09-2 | Dichloromethane (DCM) | Methylene chloride | 1,000 |
| 2385-85-5 | - | Mirex | 1 |
| **Metal compounds** |
| 7440-36-0 | Sb | Antimony | 1 |
| 7440-38-2 | As | Arsenic | 1 |
| 7440-43-9 | Cd | Cadmium | 1 |
| 7440-47-3 | Cr | Chromium | 10 |
| 7440-50-8 | Cu | Copper | 10 |
| 7439-92-1 | Pb | Lead | 100 |
| 7439-96-5 | Mn | Manganese | 10 |
| 7439-97-6 | Hg | Mercury | 1 |
| 7440-02-0 | Ni | Nickel | 10 |
| 7782-49-2 | Se | Selenium | 100 |
| 7440-62-2 | V | Vanadium | 10 |
| 7440-66-6 | Zn | Zinc | 100 |
| **Other pollutant groups** |
| - | - | Chlorine and total inorganic chlorine compounds – as HCl | 10,000 |
| - | CFCs | Chlorofluorocarbons (CFCs) | 1 |
| - | PCDDs + PCDFs | Dioxins and furans – as ITEQ | 0.00001 |
| - | PCDDs + PCDFs | Dioxins and furans – as WHO TEQ | 0.00001 |
| 7782-41-4 | - | Fluorine and total inorganic fluorine compounds – as HF | 1,000 |
| - | - | Halons | 1 |
| - | HCFCs | Hydrochlorofluorocarbons (HCFCs) | 1 |
| - | HFCs | Hydrofluorocarbons (HFCs) | 100 |
| - | NOx | Nitrogen oxides, NO and NO2 as NO2 | 100,000 |
| - | NMVOCs | Non-methane volatile organic compounds (NMVOCs) | 10,000 |
| - | PM10 | Particulate matter – PM10 and smaller | 10,000 |
| - |  | Particulate matter – total | 50,000 |
| - | - | Particulates – PM2.5 and smaller only | 1,000 |
| - | PFCs | Perfluorocarbons (PFCs) | 10 |
| 1336-36-3 | PCBs |  |  |
| as WHO TEQ | Polychlorinated biphenyls – total as WHO TEQ | 0.00001 |  |
| 1336-36-3 | PCBs | Polychlorinated biphenyls (PCBs) | 0.1 |
| - | PAHs | Polycyclic aromatic hydrocarbons (PAH’s) (four indicator compounds of LRTAP) | 1 |

**Radionuclide emissions to air for premises with nuclear and non-nuclear authorisations**

| **CAS no.** | **Pollutant (systemic name)** | **Pollutant (common name)** | **Threshold MBq/yr** |
| --- | --- | --- | --- |
| **Radionuclide emissions to air for premises with nuclear and non- nuclear authorisations** |
| - | - | Americium-241 | 0 |
| - | - | Argon-41 | 0 |
| - | - | Caesium-137 | 0 |
| - | - | Carbon-14 | 0 |
| - | - | Fluorine-18 | 0 |
| - | - | Iodine-125 | 0 |
| - | - | Iodine-129 | 0 |
| - | - | Iodine-131 | 0 |
| - | - | Krypton-85 | 0 |
| - | - | Lead-210 | 0 |
| - | - | Plutonium-alpha | 0 |
| - | - | Polonium-210 | 0 |
| - | - | Radium-226 | 0 |
| - | - | Radium-228 | 0 |
| - | - | Radon-222 | 0 |
| - | - | Ruthenium-106 | 0 |
| - | - | Sulphur-35 | 0 |
| - | - | Technetium-99m | 0 |
| - | - | Tritium | 0 |
| - | - | Uranium-alpha | 0 |
| - | - | Xenon-133 | 0 |
| - | - | Other Alpha-emitting Radionuclides | 0 |
| - | - | Other Non Alpha-emitting Radionuclides | 0 |
| - | - | Group of two or more specified Radionuclides | 0 |
| - | - | Other Radionuclides not listed | 0 |

**Pollutant releases to water**

| **CAS no.** | **Pollutant (systemic name)** | **Pollutant (common name)** | **Threshold kg/yr** |
| --- | --- | --- | --- |
| **Pollutant releases to water** |
| **Inorganics** |
| 1332-21-4 | - | Asbestos | 0.1 |
| **Organics** |
| 15792-60-8 | - | Alachlor | 0.1 |
| 309-00-2 | - | Aldrin | 0.0005 |
| 7664-41-7 | - | Ammonia (total) | 20 |
| 120-12-7 | - | Anthracene | 0.1 |
| 1912 24-9 | - | Atrazine | 0.05 |
| 35575-96-3 | - | Azamethiphos | 0.001 |
| 71-43-2 | - | Benzene | 10 |
| 191-24-2 | - | Benzo(g, h, i) perylene | 0.1 |
| 50-32-8 | - | Benzo(a)pyrene | 1 |
| 85-68-7 | BBP | Benzyl butyl phthalate | 0.1 |
| 80-05-7 | - | Bisphenol-A | 0.1 |
| 56-23-5 | Tetrachloromethane | Carbon tetrachloride | 1 |
| 57-74-9 | - | Chlordane | 0.1 |
| 143-50-0 | - | Chlordecone | 0.1 |
| 470-90-8 | - | Chlorfenvinphos | 0.1 |
| 67-66-3 | Trichloromethane | Chloroform | 5 |
| 2921-88-2 | - | Chlorpyrifos | 0.1 |
| 52315-07-8 | - | Cypermethrin | 0.005 |
| 52918-63-5 | - | Deltamethrin | 0.002 |
| 117-81-7 | DEHP | Di(2-ethylhexyl) phthalate | 0.1 |
| 333-41-5 | - | Diazinon | 0.01 |
| 50-29-3 | DDT | Dichlorodiphenyltrichloroethane – all isomers | 0.0005 |
| 120-83-2 | - | 2,4-Dichlorophenol | 0.1 |
| 94-75-7 | - | 2,4-Dichlorophenoxyacetic acid (2,4-D) – ester and non-ester | 0.1 |
| 62-73-7 | - | Dichlorvos | 0.0005 |
| 60-57-1 | - | Dieldrin | 0.0005 |
| 60-51-5 |  | Dimethoate | 0.01 |
| 330-541 | - | Diuron | 0.05 |
| 137512-74-4 | - | Emamectin Benzoate | 0.001 |
| 115-29-7 | - | Endosulfan | 0.0005 |
| 72-20-8 | - | Endrin | 0.0005 |
| **Organics continued** |
| 100-41-4 | - | Ethylbenzene | 10 |
| 107-06-2 | 1,2-Dichloroethane | Ethylene dichloride | 10 |
| 75-21-8 | 1, 2-epoxyethane | Ethylene oxide | 1 |
| 206-44-0 | - | Fluoranthene | 0.1 |
| 76-44-8 | - | Heptachlor (and Heptachlor epoxide) | 0.1 |
| 36355-1-8 | - | Hexabromobiphenyl | 0.1 |
| 25637-99-4 | - | Hexabromocyclododecane | 0.1 |
| 118-74-1 | - | Hexachlorobenzene | 0.01 |
| 87-68-3 | - | Hexachlorobutadiene | 0.1 |
| 608-73-1 | - | Hexachlorocyclohexane – all isomers | 0.01 |
| 465-73-6 | - | Isodrin | 0.0005 |
| 34123-59-6 | - | Isoproturon | 0.01 |
| 58-89-9 | - | Lindane | 0.1 |
| 330-55-2 | - | Linuron | 0.01 |
| 93-65-2 | - | Mecoprop | 1 |
| 75-09-2 | Dichloromethane (DCM) | Methylene chloride | 10 |
| 2385-85-5 | - | Mirex | 0.1 |
| 91-20-3 | - | Naphthalene | 1 |
| 608-93-5 | - | Pentachlorobenzene | 0.1 |
| 87-86-5 | - | Pentachlorophenol | 0.05 |
| - | - | Perfluoro octanyl sulphate (PFOS) | 0.1 |
| 52645-53-1 | - | Permethrin | 0.001 |
| 122-34-9 | - | Simazine | 0.01 |
| 83121-18-0 | - | Teflubenzuron | 0.001 |
| 140-66-9 | - | 4-tert-octylphenol | 1 |
| 127-18-4 | - | Tetrachloroethylene | 1 |
| 108-88-3 | - | Toluene | 10 |
| 8001-35-2 | - | Toxaphene | 0.1 |
| 12002-48-1 | - | Trichlorobenzene – all isomers | 0.01 |
| 79-01-6 | - | Trichloroethylene | 1 |
| 1582-09-8 | - | Trifluralin | 0.001 |
| 75-01-4 | - | Vinyl chloride | 1 |
| 1330-20-7 | Dimethylbenzene | Xylene – all isomers | 10 |
| **Metals and compounds – expressed as mass of metal** |
| 7440-38-2 | As | Arsenic | 5 |
| 7440-43-9 | Cd | Cadmium | 1 |
| 7440-47-3 | Cr | Chromium (total) | 20 |
| - | - | Chromium (III) | 20 |
| 18540-29-9 | - | Chromium (VI) | 20 |
| 7440-50-8 | Cu | Copper | 20 |
| 7439-89-6 | Fe | Iron | 1000 |
| 7439-92-1 | Pb | Lead | 20 |
| 7439-97-6 | Hg | Mercury | 0.1 |
| 7439-96-5 | Mn | Manganese | 200 |
| 7440-02-0 | Ni | Nickel | 20 |
| 7440-66-6 | Zn | Zinc | 100 |
| **Other pollutant groups – report as total mass unless otherwise stated** |
| - | - | Brominated diphenylethers – total as Br | 0.1 |
| - | - | Chlorides – total as Cl | 2,000,000 |
| - | - | Cyanides – total as CN | 50 |
| - | F | Fluorides – total as F | 2,000 |
| - | AOX | Halogenated organic compounds – total as AOX | 1000 |
| - | - | Nitrogen – total as N | 50,000 |
| - | - | Nonylphenol ethoxylates | 1 |
| - | - | Nonylphenols | 1 |
| - | - | Nonylphenol ethoxylates and nonylphenols | 1 |
| - | - | Octylphenol ethoxylates | 1 |
| - | - | Octylphenols | 1 |
| - | - | Octylphenol ethoxylates and octylphenols | 1 |
| - | Sn | Organotin compounds – total as Sn | 5 |
| - | PCDDs + PCDFs | Dioxins and Furans as ITEQ | 0.0001 |
| - | PCDDs + PCDFs | Dioxins and Furans as WHO TEQ | 0.0001 |
| 108-95-2 | - | Phenols – total as C | 20 |
| - | - | Phosphorus – total as P | 5,000 |
| 1336-36-3 | PCBs | Polychlorinated biphenyls | 0.001 |
| 1336-36-3 | PCBs as WHO TEQ | Polychlorinated biphenyls – total as WHO TEQ | 0.002 |
| - | PAHs | Polycyclic aromatic hydrocarbons (PAHs) (four indicator compounds of LRTAP) | 1 |
| - | TOC | Total organic carbon or COD/3 | 50,000 |
| 85535-84-8 | - | Chloro-alkanes (C10-C13) | 1 |
| 3380-34-5 | - | Triclosan | 0.1 |
| 56573-85-4 | TBT compounds | Tributyltin compounds | 0.005 |
| 668-38-8 | TPT compounds | Triphenyltin compounds | 0.1 |

**Radionuclide emissions to water for premises with nuclear and non-nuclear authorisations**

| **CAS no.** | **Pollutant (systemic name)** | **Pollutant (common name)** | **Threshold MBq/yr** |
| --- | --- | --- | --- |
| **Radionuclide emissions to water for premises with nuclear and non-nuclear authorisations** |
| - | - | Americium-241 | 0 |
| - | - | Antimony-125 | 0 |
| - | - | Caesium-134 | 0 |
| - | - | Caesium-137 | 0 |
| - | - | Carbon-14 | 0 |
| - | - | Cerium-144 | 0 |
| - | - | Cobalt-60 | 0 |
| - | - | Curium-242 | 0 |
| - | - | Iodine-129 | 0 |
| - | - | Lead-210 | 0 |
| - | - | Neptunium-237 | 0 |
| - | - | Niobium-95 | 0 |
| - | - | Polonium-210 | 0 |
| - | - | Plutonium-alpha | 0 |
| - | - | Plutonium-241 | 0 |
| - | - | Radium-226 | 0 |
| - | - | Radium-228 | 0 |
| - | - | Ruthenium-106 | 0 |
| - | - | Strontium-90 | 0 |
| - | - | Sulphur-35 | 0 |
| - | - | Technetium-99m | 0 |
|  |  | Thorium-230 | 0 |
|  |  | Thorium-232 | 0 |
| - | - | Tritium | 0 |
| - | - | Uranium-alpha | 0 |
| - | - | Yttrium-90 | 0 |
|  |  | Zirconium-95 | 0 |
| - | - | Other Alpha-emitting Radionuclides | 0 |
| - | - | Other Non Alpha-emitting Radionuclides | 0 |
| - | - | Group of two or more specified Radionuclides | 0 |
| - | - | Other Radionuclides not listed | 0 |

**Pollutant releases to land**

The reportable substances and reportable thresholds shown in the table below apply only to pollutants in waste which is subject to the disposal operations of land treatment or deep injection.

| **CAS no.** | **Pollutant (systemic name)** | **Pollutant (common name)** | **Threshold kg/yr** |
| --- | --- | --- | --- |
| **Pollutant releases to land** |
| **Inorganics** |
| 1332-21-4 | - | Asbestos | 0.1 |
| **Organics** |
| 1912-24-9 | - | Atrazine | 1 |
| 71-43-2 | - | Benzene | 200 |
| 57-74-9 | - | Chlordane | 1 |
| 143-50-0 | - | Chlordecone | 1 |
| 470-90-8 | - | Chlorfenvinphos | 1 |
| 2921-88-2 | - | Chlorpyrifos | 1 |
| 50-29-3 | DDT | Dichlorodiphenyltrichloroethane – all isomers | 1 |
| 75-09-2 | Dichloromethane (DCM) | Methylene chloride | 10 |
| 60-57-1 | - | Dieldrin | 1 |
| 117-81-7 | DEHP | Di(2-ethylhexyl)phthalate | 1 |
| 330-54-1 | - | Diuron | 1 |
| 115-29-7 | - | Endosulfan | 1 |
| 72-20-8 | - | Endrin | 1 |
| 100-41-4 | - | Ethylbenzene | 200(6) |
| 107-06-2 | 1,2-Dichloroethane | Ethylene dichloride | 10 |
| 75-21-8 | 1,2-Epoxyethane | Ethylene oxide | 10 |
| 76-44-8 | - | Heptachlor | 1 |
| 36355-01-8 | - | Hexabromobiphenyl | 0.1 |
| 118-74-1 | - | Hexachlorobenzene | 1 |
| 87-68-3 | - | Hexachlorobutadiene | 1 |
| 608-73-1 | - | Hexachlorocyclohexane – all isomers | 1 |
| 34123-59-6 | - | Isoproturon | 1 |
| 58-89-9 | - | Lindane | 1 |
| 2385-85-5 | - | Mirex | 1 |
| 91-20-3 | - | Naphthalene | 10 |
| 87-86-5 | - | Pentachlorophenol | 1 |
| 608-93-5 | - | Pentachlorobenzene | 1 |
| 122-34-9 | - | Simazine | 1 |
| 108-88-3 | - | Toluene | 200(6) |
| 8001-35-2 | - | Toxaphene | 1 |
| 1582-09-8 | - | Trifluralin | 1 |
| 75-01-4 | - | Vinyl chloride | 10 |
| 1330-20-7 | Dimethylbenzene | Xylene – all isomers | 200(6) |
| 1912-24-9 | - | Atrazine | 1 |
| 71-43-2 | - | Benzene | 200 |
| 57-74-9 | - | Chlordane | 1 |
| **Metals and compounds – express as mass of metal** |
| 7440-38-2 | As | Arsenic | 5 |
| 7440-43-9 | Cd | Cadmium | 5 |
| 7440-47-3 | Cr | Chromium | 50 |
| 7440-50-8 | Cu | Copper | 50 |
| 7439-92-1 | Pb | Lead | 20 |
| 7439-97-6 | Hg | Mercury | 1 |
| 7440-02-0 | Ni | Nickel | 20 |
| 7440-66-6 | Zn | Zinc | 100 |
| **Other pollutant groups – report as total mass unless otherwise stated** |
| - | Br | Brominated diphenylethers – Total as Br | 1 |
| 16887-00-6 | Cl | Chlorides – total as Cl | 2,000,000 |
| - | - | Cyanides – as Total CN | 50 |
| 16984-48-8 | F | Fluorides – as Total F | 2,000 |
| - | AOX | Halogenated organic compounds – as total AOX | 1,000 |
| - | - | Nitrogen - as Total N | 50,000 |
| - | - | Nonylphenols | 1 |
| - | - | Nonylphenol ethoxylates | 1 |
| - | - | Nonylphenol ethoxylates and nonylphenols | 1 |
| - | - | Octylphenols | 1 |
| - | - | Octylphenol ethyoxylates | 1 |
| - | - | Octylphenols and octylphenol ethyoxylates | 1 |
| - | Sn | Organo-tin compounds – as Total Sn | 50 |
|  | PCDDs + PCDFs | Dioxins and furans as I-TEQ | 0.0001 |
| - | PCDDs + PCDFs | Dioxins and furans as WHO-TEQ | 0.0001 |
| 108-95-2 | - | Phenols – as Total C | 20 |
| - | P | Phosphorus – as Total P | 5,000 |
| 1336-36-3 | PCBs | Polychlorinated biphenyls | 0.1 |
| - | - | Polychlorinated biphenyls as WHO-TEQ | 0.0002 |
| - | PAHs | Polycyclic aromatic hydrocarbons (PAHs)(four indicators of LRTAP) | 5 |
| 85535-84-8 | - | Chloro-alkanes (C10-C13) | 1 |
| 56573-85-4- | TBT compounds | Tributyltin compounds | 1 |
| 668-38-8 | TPT | Triphenyltin compounds | 1 |

6 As BTEX – single pollutants are reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded.

**Pollutant releases to wastewater**

| **CAS no.** | **Pollutant (systemic name)** | **Pollutant (common name)** | **Threshold kg/yr** |
| --- | --- | --- | --- |
| **Pollutant releases to wastewater** |
| **Inorganics** |
| 1332-21-4 | - | Asbestos | 0.1 |
| **Organics** |
| 15792-60-8 | - | Alachlor | 0.1 |
| 309-00-2 | - | Aldrin | 0.0005 |
| 7664-41-7 | - | Ammonia (total) | 20 |
| 120-12-7 | - | Anthracene | 0.1 |
| 1912-24-9 | - | Atrazine | 0.05 |
| 35575-96-3 | - | Azamethiphos | 0.001 |
| 71-43-2 | - | Benzene | 10 |
| 50-32-8 | - | Benzo(a)pyrene | 1 |
| 191-24-2 | - | Benzo (g,h,i) perylene | 0.1 |
| 85-68-7 | BBP | Benzyl butyl phthalate | 0.1 |
| 80-05-7 | - | Bisphenol-A | 0.1 |
| 56-23-5 | Tetrachloromethane | Carbon tetrachloride | 1 |
| 57-74-9 | - | Chlordane | 0.1 |
| 143-50-0 | - | Chlordecone | 0.1 |
| 470-90-8 | - | Chlorfenvinphos | 0.1 |
| 67-66-3 | Trichloromethane | Chloroform | 5 |
| 2921-88-2 | - | Chlorpyrifos | 0.1 |
| 52315-07-8 | - | Cypermethrin | 0.005 |
| 52918-63-5 | - | Deltamethrin | 0.002 |
| 117-81-7 | DEHP | Di(2-ethylhexyl) phthalate | 0.1 |
| 333-41-5 | - | Diazinon | 0.01 |
| 50-29-3 | DDT | Dichlorodiphenyltrichloroethane – all isomers | 0.0005 |
| 120-83-2 | - | 2,4-Dichlorophenol | 0.1 |
| 94-75-7 | - | 2,4-Dichlorophenoxyacetic acid (2,4-D) – ester and non-ester | 0.1 |
| 62-73-7 | - | Dichlorvos | 0.0005 |
| 60-57-1 | - | Dieldrin | 0.0005 |
| 60-51-5 |  | Dimethoate | 0.01 |
| 330-54-1 | - | Diuron | 0.05 |
| 137512-74-4 | - | Emamectin benzoate | 0.001 |
| 115-29-7 | - | Endosulfan | 0.0005 |
| 72-20-8 | - | Endrin | 0.0005 |
| 100-41-4 | - | Ethylbenzene | 10 |
| 107-06-2 | 1,2-Dichloroethane | Ethylene dichloride | 10 |
| 75-21-8 | 1, 2-epoxyethane | Ethylene oxide | 1 |
| 206-44-0 | - | Fluoranthene | 0.1 |
| 76-44-8 | - | Heptachlor | 0.1 |
| 36355-1-8 | - | Hexabromobiphenyl | 0.1 |
| 25637-99-4 | - | Hexabromocyclododecane | 0.1 |
| 118-74-1 | - | Hexachlorobenzene | 0.01 |
| 87-68-3 | - | Hexachlorobutadiene | 0.1 |
| 608-73-1 | - | Hexachlorocyclohexane – all isomers | 0.01 |
| 465-73-6 | - | Isodrin | 0.0005 |
| 34123-59-6 | - | Isoproturon | 0.01 |
| 58-89-9 | - | Lindane | 0.1 |
| 330-55-2 | - | Linuron | 0.01 |
| 93-65-2 | - | Mecoprop | 1 |
| 75-09-2 | Dichloromethane (DCM) | Methylene chloride | 10 |
| 2385-85-5 | - | Mirex | 0.1 |
| 91-20-3 | - | Naphthalene | 1 |
| 608-93-5 | - | Pentachlorobenzene | 0.1 |
| 87-86-5 | - | Pentachlorophenol | 0.05 |
| - | - | Perfluoro octanyl sulphate (PFOS) | 0.1 |
| 52645-53-1 | - | Permethrin | 0.001 |
| 122-34-9 | - | Simazine | 0.01 |
| 83121-18-0 | - | Teflubenzuron | 0.001 |
| 140-66-9 | - | 4-tert-octylphenol | 1 |
| 127-18-4 | - | Tetrachloroethylene | 1 |
| 108-88-3 | - | Toluene | 10 |
| 8001-35-2 | - | Toxaphene | 0.1 |
| 12002-48-1 | - | Trichlorobenzene – all isomers | 0.01 |
| 79-01-6 | - | Trichloroethylene | 1 |
| 3380-34-5 | - | Triclosan | 0.1 |
| 1582-09-8 | - | Trifluralin | 0.001 |
| 75-01-4 | - | Vinyl chloride | 1 |
| 1330-20-7 | Dimethylbenzene | Xylene – all isomers | 10 |
| **Metals and compounds – express as mass of metal** |
| 7440-38-2 | As | Arsenic | 5 |
| 7440-43-9 | Cd | Cadmium | 1 |
| 7440-47-3 | Cr | Chromium (total) | 20 |
| - | - | Chromium (III) | 20 |
| 18540-29-9 | - | Chromium (VI) | 20 |
| 7440-50-8 | Cu | Copper | 20 |
| 7439-89-6 | Fe | Iron | 1000 |
| 7439-92-1 | Pb | Lead | 20 |
| 7439-97-6 | Hg | Mercury | 0.1 |
| 7439-96-5 | Mn | Manganese | 200 |
| 7440-02-0 | Ni | Nickel | 20 |
| 7440-66-6 | Zn | Zinc | 100 |
| **Other pollutant groups – report as total mass unless otherwise stated** |
| - | - | Brominated diphenylethers – total as Br | 0.1 |
| - | - | Chlorides – total as Cl | 2,000,000 |
| - | - | Cyanides – total as CN | 50 |
| - | F | Fluorides – total as F | 2,000 |
| - | AOX | Halogenated organic compounds – total as AOX | 1000 |
| - | - | Nitrogen – total as N | 50,000 |
|  |  | Nonylphenol | 1 |
|  |  | Nonylphenol ethoxylates | 1 |
| - | - | Nonylphenol ethoxylates and nonylphenols | 1 |
| - | - | Octylphenol ethoxylates | 1 |
| - | - | Octylphenols | 1 |
| - | - | Octylphenol ethoxylates and octylphenols | 1 |
| - | Sn | Organic tin compounds – total as Sn | 5 |
| - | PCDDs + PCDFs | Dioxins and furans as I-TEQ | 0.0001 |
| - | PCDDs + PCDFs | Dioxins and furans as WHO-TEQ | 0.0001 |
| - | - | Phenols – total as C | 20 |
| - | - | Phosphorus – total as P | 5,000 |
| 1336-36-3 | PCBs | Polychlorinated biphenyls | 0.001 |
| - | - | Polychlorinated biphenyls as WHO-TEQ | 0.002 |
| - | PAHs | Polycyclic aromatic hydrocarbons (PAHs) (four indicator compounds of LRTAP) | 1 |
| 85535-84-8 |  | Chloro-alkanes | 1 |
| - | TOC | Total organic carbon or COD/3 | 50,000 |
| 56573-85-4 | TBT compounds | Tributyltin compounds | 0.005 |
| 668-38-8 | TPT compounds | Triphenyltin compounds | 0.1 |

**Radionuclide emissions to wastewater for premises with nuclear and non-nuclear authorisations**

| **CAS no.** | **Pollutant (systemic name)** | **Pollutant (common name)** | **Threshold MBq/yr** |
| --- | --- | --- | --- |
| **Radionuclide emissions to wastewater for premises with nuclear and non-nuclear authorisations** |
| - | - | Americium-241 | 0 |
| - | - | Antimony-125 | 0 |
| - | - | Caesium-134 | 0 |
| - | - | Caesium-137 | 0 |
| - | - | Carbon-14 | 0 |
| - | - | Cerium-144 | 0 |
| - | - | Chromium-51 | 0 |
| - | - | Cobalt-57 | 0 |
| - | - | Cobalt-58 | 0 |
| - | - | Cobalt-60 | 0 |
| - | - | Curium-242 | 0 |
| - | - | Erbium-169 | 0 |
| - | - | Fluorine-18 | 0 |
| - | - | Gallium-67 | 0 |
| - | - | Indium-111 | 0 |
| - | - | Iodine-123 | 0 |
| - | - | Iodine-125 | 0 |
| - | - | Iodine-129 | 0 |
| - | - | Iodine-131 | 0 |
| - | - | Lead-210 | 0 |
| - | - | Neptunium-237 | 0 |
| - | - | Niobium-95 | 0 |
| - | - | Phosphorus-32 | 0 |
| - | - | Phosphorus-33 | 0 |
| - | - | Plutonium-alpha | 0 |
| - | - | Plutonium-241 | 0 |
| - | - | Polonium-210 | 0 |
| - | - | Radium-226 | 0 |
| - | - | Radium-228 | 0 |
| - | - | Ruthenium-106 | 0 |
| - | - | Samarium-153 | 0 |
| - | - | Selenium-75 | 0 |
| - | - | Sodium-22 | 0 |
| - | - | Strontium-89 | 0 |
| - | - | Strontium-90 | 0 |
| - | - | Sulphur-35 | 0 |
| - | - | Technetium-99m | 0 |
| - | - | Thallium-201 | 0 |
| - | - | Thorium-230 | 0 |
| - | - | Thorium-232 | 0 |
| - | - | Tritium | 0 |
| - | - | Uranium-alpha | 0 |
| - | - | Yttrium-90 | 0 |
| - | - | Zirconium-95 | 0 |
| - | - | Other Alpha-emitting Radionuclides | 0 |
| - | - | Other Non Alpha-emitting Radionuclides | 0 |
| - | - | Group of two or more specified Radionuclides | 0 |
| - | - | Other Radionuclides not listed | 0 |

**Section D – Off-site transfers of waste**

You should report the mass of waste which is removed from the facility by pipe, tanker or lorry, where the annual total tonnage for that type of waste is above a threshold value:

|  |  |
| --- | --- |
| **Type of waste** | **Threshold value (tonnes)** |
| Hazardous | 2 |
| Non-hazardous | 2,000 |

For each type of waste, the deciding factor on whether to report is the total mass transferred off site during the reporting year; the waste may have been split between different treatment facilities or countries and been handled in different ways.

Where your waste water is treated by an independently operated wastewater treatment plant (IOWWTP), such as an industrial wastewater treatment plant covered by Chapter 5 of the Pollution Prevention and Control Regulations (Section 5.7), you should record the transfer as waste in tonnes in this section of the form.

For both hazardous waste (where the total transferred off-site exceeds 2t) and non-hazardous waste (where the total transferred off-site exceeds 2,000t) you must tell us the total tonnage which was sent for disposal and the total sent for recovery. In each case you should tell us:

| **Name of field** | **Field type** | **What should you provide?** |
| --- | --- | --- |
| Measurement type (M, C or E) | Drop down | Indicate whether your emission value is Measured, Calculated or Estimated. Where your data is obtained using weighing records report “measured”. |
| Method type | Drop down | Use the option which best matches the method you used to produce your total waste value. |
| Method description | Free text (unlimited) | Explain how you produced the emission value, including any calculations. More detail helps validate your data and reduces follow-up inquiries. |
| Value (tonnes) | Number | Give values as normal wet waste in tonnes, to 3 significant figures. |
| Qualification | Free text (unlimited) | Explain any differences from the previous year's data, especially if flagged by check fields. More information here helps us validate your data and reduces the likelihood of us having to contact you for clarification. |

If any hazardous waste was transferred outside the UK, you must provide details of the waste destination (name and address of recoverer/disposer and the address of the actual site of recovery/disposal). Complete the Outside UK waste transfers section of the Return information and we will contact you to collect the detailed information.

Section E – Waste input data This section is not in use.

Section F – Large Combustion Plant Directive (LCPD) This section is not in use.

Section G – Voluntary information This section is not in use.

**Section H – Activities which require emissions and waste transfers to be reported for any Facility carrying them out.**

| **SPRI code** | **Activity** | **Capacity threshold under UKSPRI**(\*) indicates that no capacity threshold is applicable (all facilities are subject to reporting) | **Scotland-specific requirements** |
| --- | --- | --- | --- |
| 1 | Energy sector |  |  |
|  | (a) |  | Mineral oil and gas refineries | \* |  |
| (b) |  | Installations for gasification and liquefaction | \* |  |
| (c) |  | Thermal power stations and other combustion installations | With a heat input of 50 megawatts (MW) |  |
| (d) |  | Coke ovens | \* |  |
| (e) |  | Coal rolling mills | With a capacity of 1 tonne per hour |  |
| (f) |  | Installations for the manufacture of coal products and solid smokeless fuel | \* |  |
| 2 | Production and processing of metals | 2 | Production and processing of metals |
|  | (a) |  | Metal ore (including sulphide ore) roasting or sintering installations | \* |  |
| (b) |  | Installations for the production of pig iron or steel (primary or secondary melting) including continuous casting | With a capacity of 2.5 tonnes per hour |  |
| (c) |  | Installations for the processing of ferrous metals: |  |  |
| (i) | Hot-rolling mills | With a capacity of 20 tonnes of crude steel per hour |  |
| (ii) | Smitheries with hammers | With an energy of 50 kilojoules per hammer, where the calorific power used exceeds 20MW |  |
| (iii) | Application of protective fused metal coats | With an input of 2 tonnes of crude steel per hour |  |
| (d) |  | Ferrous metal foundries | With a production capacity of 20 tonnes per day |  |
| (e) |  |  |  |  |
|   |  |  | Installations: | \* |  |
|  | (i) | For the production of non-ferrous crude metals from ore, concentrates or secondary raw materials by metallurgical, chemical or electrolytic processes | With a melting capacity of 4 tonnes per day for lead and cadmiumor 20 tonnes per day for all other metals |  |
| (f) | (ii) | For the smelting, including the alloying, of non-ferrous metals, including recovered products (refining, foundry casting, etc.) | Where the volume of the treatment vats equals 30m3 |  |
| 3 | Mineral industry |  |  |
|  | (a) |  | Underground mining and related operations | \* | Note while this activity is not directly regulated by SEPA, other related activities are e.g. water discharges, mobile crushing plants |
| (b) |  | Opencast mining and quarrying | Where the surface of the area effectively under extractive operation equals 25 hectares | Note while this activity is not directly regulated by SEPA, other related activities are e.g. water discharges, mobile crushing plants |
| (c) |  | Installations for the production of: |  |  |
| (i) | Cement clinker in rotary kilns | With a production capacity of 500 tonnes per day |  |
|  |  |  |  |
| (ii) | Lime in rotary kilns | With a production capacity of 50 tonnes per day |  |
|  | (iii) | Cement clinker or lime in other furnaces | With a production capacity of 50 tonnes per day |  |
| (d) |  | Installations for the production of asbestos and the manufacture of asbestos-based products | \* |  |
| (e) |  | Installations for the manufacture of glass, including glass fibre | With a melting capacity of 20 tonnes per day |  |
|  | (f) |  | Installations for melting mineral substances, including the production of mineral fibres | With a melting capacity of 20 tonnes per day |  |
| 4 | Chemical industry |  |  |
|  | (a) |  | Chemical installations for the production on an industrial scale of basic organic chemicals, such as: | \* |  |
| (i) | Simple hydrocarbons (linear or cyclic, saturated or unsaturated, aliphatic or aromatic) |  |  |
| (ii) | Oxygen-containing hydrocarbons such as alcohols, aldehydes, ketones, carboxylic acids, esters, acetates, ethers, peroxides, epoxy resins |  |  |
| (iii) | Sulphurous hydrocarbons |  |  |
| (iv) | Nitrogenous hydrocarbons such as amines, amides, nitrous compounds, nitro compounds or nitrate compounds, nitriles, cyanates, isocyanates |  |  |
| (v) | Phosphorus-containing hydrocarbons |  |  |
| (vi) | Halogenic hydrocarbons |  |  |
| (vii) | Organometallic compounds |  |  |
| (viii) | Basic plastic materials (polymers, synthetic fibres and cellulose-based fibres) |  |  |
| (ix) | Synthetic rubbers |  |  |
| (x) | Dyes and pigments |  |  |
| (xi) | Surface-active agents and surfactants |  |  |
| (b) |  | Chemical installations for the production on an industrial scale of basic inorganic chemicals, such as: | \* |  |
|  |  | (i) | Gases, such as ammonia, chlorine or hydrogen chloride, fluorine or hydrogen fluoride, carbon oxides, sulphur compounds, nitrogen oxides, hydrogen, sulphur dioxide, carbonyl chloride |  |  |
| (ii) | Acids, such as chromic acid, hydrofluoric acid, phosphoric acid, nitric acid, hydrochloric acid, sulphuric acid, oleum, sulphurous acids |  |  |
| (iii) | Bases, such as ammonium hydroxide, potassium hydroxide, sodium hydroxide |  |  |
| (iv) | Salts, such as ammonium chloride, potassium chlorate, potassium carbonate, sodium carbonate, perborate, silver nitrate |  |  |
| (v) | Non-metals, metal oxides or other inorganic compounds such as calcium carbide, silicon, silicon carbide |  |  |
| (c) |  | Chemical installations for the production on an industrial scale of phosphorous-, nitrogen- or potassium-based fertilisers (simple or compound fertilisers) | \* |  |
| (d) |  | Chemical installations for the production on an industrial scale of basic plant health products and of biocides | \* |  |
| (e) |  | Installations using a chemical or biological process for the production on an industrial scale of basic pharmaceutical products |  |  |
| \* |  |  |  |  |
| 5 | Waste and wastewater management |  |  |
|   | (a) |  | Installations for the recovery or disposal of hazardous waste | Receiving 10 tonnes per day | All facilities with a capacity to accept at least 10 tonnes per day for the recovery and disposal of hazardous waste that fall under either Schedules 1 and 2 of the Pollution Prevention & Control (Scotland) Regulations, 2012 or under the Waste Management Licensing (Scotland) Regulations 2011 |
| (b) |  | Installations for the incineration of non-hazardous waste in the scope of Directive 2000/76/EC of the European Parliament and of the Council of 4 December 2000 on the incineration of waste | With a capacity of 3 tonnes per hour |  |
| (c) |  | Installations for the disposal of non-hazardous waste | With a capacity of 50 tonnes per day | All facilities with a capacity to accept at least 50 tonnes per day for the recovery and disposal of non-hazardous waste that fall under either Schedules 1 and 2 of the Pollution Prevention & Control (Scotland) Regulations, 2012 or under the Waste Management Licensing (Scotland) Regulations 2011 |
| (d) |  | Landfills (excluding landfills of inert waste and landfills, which were definitely closed before 16.7.2001 or for which the after-care phase required by the competent authorities according to Article 13 of Council Directive 1999/31/EC of 26 April 1999 on the landfill of waste has expired) | Receiving 10 tonnes per day or with a total capacity of 25,000 tonnes |  |
|  | (i) | Landfills of inert waste |  | Receiving 10 tonnes per day or with a total capacity of 25,000 tonnes |
| (e) |  | Installations for the disposal or recycling of animal carcasses and animal waste | With a treatment capacity of 10 tonnes per day |  |
| (f) |  | Urban waste-water treatment plants |  |  |
| (i) | With a capacity of 100,000 population equivalents |  |  |
|   |  | (ii) | With a capacity of between 15,000 and 100,000 population equivalents |  | All sewage treatment works and equivalent industrial discharges with a design population equivalent of 15,000 or more (where population equivalent has the meaning given in the Urban Waste Water Treatment (Scotland) Regulations 1994) |
| (g) |  | Independently operated industrial waste-water treatment plants which serve one or more activities of this annex | With a capacity of 10,000m3 per day | With a capacity of 2,000m3 per day |
|  | (h) |  | Recovery, or a mix of recovery and disposal, of non-hazardous waste  |  | With a capacity exceeding 75 tonnes per day |
|  |  | (i) | Disposal of non-hazardous waste: biological treatment; |  |  |
|  |  | (ii) | Disposal of non-hazardous waste: physico-chemical treatment; |  |  |
|  |  | (iii) | Disposal of non-hazardous waste: pre-treatment of waste for incineration or co-incineration; |  |  |
|  |  | (iv) | Disposal of non-hazardous waste: treatment of slags and ashes; |  |  |
|  |  | (v) | When the only waste treatment activity carried out is anaerobic digestion, the capacity threshold for this activity shall be 100 tonnes per day. |  |  |
| 6 | Paper and wood production and processing |  |  |
|  | (a) |  | Industrial plants for the production of pulp from timber or similar fibrous materials | \* |  |
| (b) |  | Industrial plants for the production of paper and board and other primary wood products (such as chipboard, fibreboard and plywood) | With a production capacity of 20 tonnes per day |  |
| (c) |  | Industrial plants for the preservation of wood and wood products with chemicals | With a production capacity of 50m3 per day |  |
| 7 | Intensive livestock production and aquaculture |  |  |
|  | (a) |  | Installations for the intensive rearing of poultry or pigs |  |  |
| (i) | With 40,000 places for poultry |  |  |
| (ii) | With 2,000 places for production pigs (over 30kg) |  |  |
| (iii) | With 750 places for sows |  |  |
| (b) |  | Intensive aquaculture |  |  |
| (i) | With a production capacity of 1,000 tonnes of fish or shellfish per year |  | No capacity threshold is applicable (all facilities are subject to reporting) |
| (ii) | With a production capacity below 1,000 tonnes of fish or shellfish per year |  | No capacity threshold is applicable (all facilities are subject to reporting) |
| 8 | Animal and vegetable products from the food and beverage sector |  |  |
|  |  | (a) |  | Slaughterhouses |  |
| (b) |  | Treatment and processing intended for the production of food and beverage products from: |  |  |
| (i) | Animal raw materials (other than milk) | With a finished product production capacity of 75 tonnes per day |  |
| (ii) | Vegetable raw materials | With a finished product production capacity of 300 tonnes per day (average value on a quarterly basis) |  |
| (c) |  | Treatment and processing of milk | With a capacity to receive 200 tonnes of milk per day (average value on an annual basis) |  |
| 9 | Other activities |  |  |
|  | (a) |  | Plants for the pre-treatment (operations such as washing, bleaching, mercerisation) or dyeing of fibres or textiles | With a treatment capacity of 10 tonnes per day |  |
| (b) |  | Plants for the tanning of hides and skins | With a treatment capacity of 12 tonnes of finished product per day |  |
| (c) |  | Installations for the surface treatment of substances, objects or products using organic solvents, in particular for dressing, printing, coating, degreasing, waterproofing, sizing, painting, cleaning or impregnating | With a consumption capacity of 150kg per hour or 200 tonnes per year |  |
| (d) |  | Installations for the production of carbon (hard-burnt coal) or electro-graphite by means of incineration or graphitisation | \* |  |
| (e) |  | Installations for the building of, and painting or removal of paint from ships | With a capacity for ships 100m long |  |
| 10 |  |  |  |  | All nuclear installations (including plants undergoing decommissioning) and all non-nuclear installations holding authorisation for air, water and waste water releases |
| (a) |  |  |  | Radioactive substances activity – nuclear |
| (b) |  |  |  | Radioactive substances activity – non- nuclear |

<Report date here (month, year)>