

**The Water Environment (Controlled Activities) (Scotland) Regulations 2011**

**Licence Application**

**FORM C1**

**Please fill in this form to discharge effluent from a land-based or freshwater pen fish farm**

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| **How we use your personal information – Data Protection Act 2018 (‘DPA 2018’)**  Under the Data Protection Act 2018 (DPA 2018), we must have a legal basis for processing your information – in this case, processing personal information is necessary to perform our statutory duties (‘Public Task’).  Some of the ways in which we collect and use the information may be through:   * granting and administering authorisations and maintaining registers * investigating environmental complaints * undertaking formal enforcement action * maintaining our own accounts and records   The personal information we collect and use may include the following: name; address, including postcode; email address and telephone number. SEPA is required, by law, to organise and maintain public registers, and make these registers available for public inspection. We do this by collecting and using the personal information that applicants (or their agents) share in their applications. After the application form has been processed, some of the information from the form is added to the public register and becomes available for public inspection. Personal email addresses, and telephone numbers are not published, unless publication is statutorily required.  There may be occasions when we are required by law to share your personal information with other organisations, e.g., for regulatory reasons, or because doing so is in the general public interest. Any sharing will be carried out lawfully and securely in accordance with the SEPA Data Protection Policy.  For more information on how SEPA handles personal information, please refer to our general Privacy Policy at <https://www.sepa.org.uk/help/privacy-policy/> |

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| **ADDITIONAL INFORMATION** |

In addition to the application form some supporting information is required. You can discuss these requirements with the local SEPA office.

**For land based fish farm or associated land based facilities:**

* A drainage plan showing the drainage layout of the fish farm (e.g. discharge points, treatment facilities, inlets and outlets. Number, size and design of tanks/ponds)
* Design drawings/details of treatment facilities

**For freshwater pen farms:**

* A drawing showing the design, dimensions and layout of the pens
* A plan showing the area licensed planning consent within which the pens will be confined (National Grid References (10 characters e.g. NT 1234 5678) should be identified on the map at four points around the perimeter of the area.
* Documentation on the chemicals to be used on the farm

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| **SECTION 1: GENERAL INFORMATION** |

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| **1.1 If not already included on your ‘Site Plan’ (see Form A), please provide a “Drainage Plan” showing:** |

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| * The site drainage layout (if applicable) * All discharge point(s) locations * The layout of the pen fish farm (if applicable) * Identify pollution risk areas/chemical and oil stores   Reference the Plan “Drainage Plan” and attach it to your application |

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| **1.2 About Site Development** | | | | | |
| Will the effluent come from (tick box) | | | | | |
| an existing development or discharge? |  | a new development or discharge? |  | an alteration to  an existing development or discharge? |  |
| Planning Permission ref no. (if applicable) | | |  | | |
| Building Warrant reference no. (if applicable) | | |  | | |

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| **1.3 Receiving Environment** |

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| Where will the discharge be made to: *(please tick)* | River? |  | Freshwater loch? |  | Land via a soakaway? |  |
|  | Direct to groundwater? |  | Estuary (i.e. transitional waters) or coastal waters? |  | Land? |  |
| Is the discharge via a partial soakaway? | | YES  NO | | | | |
| What is the name of the receiving water (if known)? | |  | | | | |

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| **1.4 About the outlet(s) (not applicable to discharges from pen sites)** | | | | | | |
| 1.4.1 Will the discharge be made through: *(please tick)* | \*a new outlet? |  | \*an alteration to an existing outlet? |  | an existing outlet? |  |
| 1.4.2 \*If a new outlet or alteration to existing outlet: submit outlet design so that SEPA can agree your engineering proposals, prior to  licensing | | | | | | |
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| **1.4.3 National Grid Reference for Outlet(s) (at least 10 characters, format xx-xxxx–xxxx)** |

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| - -  - -  - - | Outfall Internal diameter  mm  mm  mm |
| What provision will be made for samples to be taken of the effluent discharged? *(e.g. sampling chamber, automatic sampler)* |  |

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| **1.5 In the boxes provided please indicate which of the following discharges you will be applying for (give the number of each discharge, scale of discharge {i.e. complex licence or simple licence} and whether any environmental service claim is being made)** |

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| Discharge | **Description** | Number of discharges applied for  *State Number* | Complex Licence (CL)  *State Number* | Simple Licence (SL)  *State Number* |
| Fish Farm Effluent | **Freshwater pen fish farm** |  |  |  |
|  | **Tank/hatchery Fish Farm** |  |  |  |

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| **Note- if you claim Environmental Service then your reasoning must be set out on a separate sheet referenced “Environmental Service Claims”. Information on Environmental Service is available in the Charging Scheme guidance, please see the Environmental Regulation (Scotland) Charging Scheme 2016 found on the SEPA website. SEPA Website:** [**http://www.sepa.org.uk/regulations/authorisations-and-permits/charging-schemes/charging-schemes-and-summary-charging-booklets/**](http://www.sepa.org.uk/regulations/authorisations-and-permits/charging-schemes/charging-schemes-and-summary-charging-booklets/) |

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| **SECTION 2: FARM DETAILS** |

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| **2.1 The fish farm is, or shall be (*please tick*)** | | | |
| on land with a marine intake |  | on land with a freshwater  intake |  |
| in a freshwater loch |  | on land with a groundwater intake |  |
| Other (*please specify*) |  | | |

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| **2.2 What species of fish do you rear or plan to rear?** |  |

**PRODUCTION**

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| **2.3 What is the planned maximum production? (*in tonnes per year*)** | tonnes/year |

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| **2.4 What is the planned maximum weight of fish to be held at any time? (*in tonnes*)** | tonnes/year |

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| **2.5 Please supply a stocking plan for the on-growing cycle based upon monthly projections. (Use a separate, referenced sheet if required.)** | |
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| **2.6 What is the planned maximum stocking density?   (*in kilograms per cubic metre*)** | kg/m3 |

**FISH FOOD**

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| **2.7 What quantity of fish food do you plan to use?**  **(*in tonnes per year*)** | tonnes/year |

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| **2.8 What method is proposed to be used to feed the fish?** |  |

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| **2.9 What food conversion ratio do you expect to achieve? (*Kilograms of fish production (wet weight) against kilograms of food (wet weight))*** |  |

Note: please provide supporting documentation.

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| **2.10 What will the phosphorus and nitrogen content of the food be? *(% composition by weight*)** |  |

**USE OF CHEMICALS**

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| **2.11 Please list all chemicals/medicines that you intend to use on the farm, which may end up entering the receiving waters (e.g. therapeutants, whether in-feed or bath treatments, anaesthetics, disinfectants, anti-fouling net coatings)** | |
| *The following details should be provided.*   * the trade name of chemical and the manufacturer; * the active ingredient * a copy of the manufacturers data sheet for each chemical; * a method statement, which explains in detail the procedure used to carry out the treatment including measures to minimise the release of chemicals to the environment. * maximum treatment concentration (active ingredient) for each chemical (where applicable); * the number of applications typically needed for each complete treatment; * total quantity of neat chemical used for each application or the amount of active ingredient; * an indication of the number of treatments which could be required over a year assuming (a) optimistic and (b) pessimistic conditions; * details of storage arrangements for chemicals;   For net anti-fouling coatings, information should be provided on the farms where coatings will be applied and nets washed  You should check product documentation (or if necessary, with the manufacturers) to establish if any of the chemicals listed in the annex to this form are present. If any of these chemicals are present, you must list them and estimate the quantities which will be used. |  |

*Note: You should be aware that the chemicals listed will be considered for inclusion within the licence which will authorise their subsequent use. The use of any other chemicals would be illegal and may make you liable to prosecution under the Water Environment (Controlled Activities) (Scotland) Regulations 2011.*

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| **SECTION 3: PEN FISH FARMS** |

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| **3.1 Please state the planned maximum number of pens on the farm and the proposed layout. *(include a plan of the pen grid and moorings)*** |  |

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| **3.2 What are the proposed measurements of each pen?**  **(*including length, breadth and depth in metres for square pens or circumference, diameter and depth for circular pens*)** | m |

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| **3.3 What is the average water depth below the pens? (from**  **bottom of the nets to loch bed in metres)** | m |

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| * 1. **SEPA will normally expect farms to be left fallow following each production cycle. Please explain how this will be achieved. If the pens are to be moved on a rotational basis, you should provide a map showing the locations which will be used as part of the rotation.** |  |

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| * 1. **Please state the type of mooring, e.g. single point or corner anchors. If single point mooring, what will be the radius of swing? (*in metres*)** | m |

**MINIMISING THE RELEASE OF POLLUTING MATTER**

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| **3.6 How do you intend to minimise the deposition of food/fish faeces underneath the pens.** |  |

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| **3.7 SEPA will require you to provide full containment during the bath treatment of fish with therapeutants. Please explain how this will be achieved. (*e.g. full tarpaulins, well boats*)** |  |

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| **3.8 SEPA will expect you to minimise the treatment volume within each pen during bath treatments. What will be the treatment volume relative to the normal working pen volume? (*either in cubic metres or % reduction*)** | m3 |

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| **3.9 Associated land based facilities: please describe any land based facilities which will be associated with the pens. This could include a shore base, staff facilities, net washing facilities or processing plants.** |  |

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| **SECTION 4: LAND BASED FISH FARMS (INCLUDING HATCHERIES)** |

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| **4.1 What is the planned average and maximum volume discharged in cubic metres per day?** | Average Vol. | m3 /day |
| Maximum Vol. | m3 /day |

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| * 1. **What is the planned maximum rate of flow of effluent in litres per second?** | Maximum flow. | I/s |

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| **4.3** **How will the effluent be treated before it is discharged? This should describe facilities such as settlement ponds or filters. (*Should include dimensions of the pond or aperture size of the filter mesh*).**  **Provide expected quality of the discharge.**  **Note: please submit design details of filter if available** |  |

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| **4.4 How will the solid waste arising from the treatment facilities be handled? (*This should cover aspects such as the frequency of settlement pond desludging, the treatment of backwash from filters and the disposal of the waste*.)** |  |

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| **X ADDITIONAL INFORMATION SUBMITTED** |

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| **X ADDITIONAL INFORMATION SUBMITTED** | | |
| **Please reference additional supporting documents submitted as part of this application** | Document name:  Document reference: |  |
|  | Document name:  Document reference: |  |
|  | Document name:  Document reference: |  |
|  | Document name:  Document reference: |  |

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| **ANNEX: Substances** |

Table 1 below details substances which must be highlighted within your application if they are contained within your discharge.

**Table 1 - Substances**

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| **Substance** |  |  | **Substance** |  |
| Alachlor | PS |  | Fluoranthene | PS |
| Aldrin | LIST I |  | Hexachlorobenzene | PHS, LIST I |
| Aluminium | SP |  | Hexachlorobutadiene | PHS, LIST I |
| Anthracene | PSR |  | Hexachlorocyclohexane (Lindane) | PHS, LIST I |
| Arsenic | SP, LIST II |  | Iron | SP, LIST II |
| Atrazine | PSR, LIST II |  | Isodrin | LIST I |
| Azinphos-methyl | LIST II |  | Isoproturon | PSR |
| Bentazone | LIST II |  | Lead and its compounds | PSR, LIST II |
| Benzene | PS, LIST II |  | Linuron | LIST II |
| Biphenyl | LIST II |  | Malathion | LIST II |
| Boron | LIST II |  | Manganese | SP |
| Brominated diphenylether (only | PHS |  | Mecoprop | LIST II |
| Cadmium | PHS, LIST I |  | Mercury and its compounds | PHS, LIST I |
| Carbon tetrachloride | LIST I |  | Mevinphos | LIST II |
| Chlorfenvinphos | PS |  | Naphthalene | PSR, LIST II |
| Chlorine | SP |  | Nickel and its compounds | PS, LIST II |
| Chloroalkanes, (C10-13) | PHS |  | Nonylphenols | PHS |
| Chloroform | LIST I |  | Octylphenols | PSR |
| Chloronitrotoluenes | LIST II |  | Omethoate | LIST II |
| 2-Chlorophenol | LIST II |  | PCSDS | LIST II |
| 4-Chloro-3-methylphenol | LIST II |  | pentabromodiphenylether (PBDE)) | PHS |
| Chlorpyrifos | PSR |  | Pentachlorobenzene | PHS |
| Chromium | SP, LIST II |  | Pentachlorophenol | PSR, LIST I |
| Copper | SP, LIST II |  | Perchloroethylene | LIST I |
| Cyanide | SP |  | Permethrin | SP, LIST II |
| Cyfluthrin | LIST II |  | Phenol | SP |
| 2,4 –D (ester) | LIST II |  | Poly Aromatic Hydrocarbons | PHS |
| 2,4-D (non-ester) | LIST II |  | pp-DDT | LIST I |
| DDT | LIST I |  | Simazine | PSR, LIST II |
| Demeton | LIST II |  | Sulcofuron | LIST II |
| Di(2-ethylhexyl)phthalate (DEHP) | PSR |  | Tetrachloroethane | SP |
| Diazinon | SP |  | Toluene | SP, LIST II |
| 1, 2 Dichloroethane | PS, LIST I |  | Triazophos | LIST II |
| Dichloromethane | PS |  | Tributyltin compounds | PHS, LIST II |
| 2,4-Dichlorophenol | LIST II |  | Trichlorobenzene | PSR, LIST I |
| Dichlorvos | LIST II |  | 1,1,1-Trichloroethane | LIST II |
| Dieldrin | LIST I |  | 1,1,2-Trichloroethane | LIST II |
| Dimethoate | LIST II |  | Trichloroethylene | LIST I |
| Diuron | PSR |  | Trichloromethane | PS |
| Endosulphan | PSR, LIST II |  | Trifluralin | PSR, LIST II |
| Endrin | LIST I |  | Triphenyltins | LIST II |
| Fenitrothion | LIST II |  | Vanadium | LIST II |
| Flucofuron | LIST II |  | Xylene | LIST II |

**KEY:** PHS – Annex X priority hazardous substance

PS – Annex X priority substance

PSR – Priority Substance Review

SP - Annex VIII substance covered by points 1 to 9 - termed as Specific Pollutant

List I - Dangerous Substances Directive List I substance, also listed in annex IX of WFD

List II - Dangerous Substances Directive List II substance (as agreed by UK, statutory EQS applies)