



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

# Application for a new Permit

## FORM C-2

**Please fill in this form to discharge trade effluent  
from a marine pen fish farm**

### How we use your personal information – Data Protection Act 2018 ('DPA 2018')

Under the 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 of 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 for SEPA authorisations and SEPA permits. 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. , Signatures, 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/>

## Site Details

<b>Site name:</b> <small>*See note 1 in Annex 1</small>	Beinn Reithe
<b>Site address &amp; phone number:</b> <small>*See note 2 in Annex 1</small>	Beinn Reithe, Coilleasan, Arrochar, Argyll. G83 7AR. 0131 618 6497
<b>Name of receiving water:</b> <small>*See note 3 in Annex 1</small>	Loch Long
<b>National Grid Reference at centre of cage group (10 character NGR, e.g. NR 1234 5678):</b> <small>*See note 4 in Annex 1</small>	NS 25513 99244
<b>Species of fish to be farmed:</b> <small>*See note 5 in Annex 1</small>	Atlantic Salmon ( <i>Salmo salar</i> )
<b>Maximum weight of fish (tonnes):</b> <small>*See note 6 in Annex 1</small>	3,452T
<b>Maximum stocking density (kg/m<sup>3</sup>):</b> <small>*See note 7 in Annex 1</small>	50kg/m <sup>3</sup>
<b>Number of pens:</b> <small>*See note 8 in Annex 1</small>	Four semi-closed containment enclosures and one semi-closed containment harvesting facility
<b>Dimensions of each pen (circumference, diameter &amp; depth OR length, breadth &amp; depth, in metres):</b> <small>*See note 9 in Annex 1</small>	Circular semi-closed enclosures 45m inner diameter. 40m depth Square semi-closed harvesting facility 50m side length.
<b>Pen layout:</b> <small>*See note 10 in Annex 1</small>	Single file, the center of each enclosure at 80m intervals.
<b>Depth of water below pens:</b> <small>*See note 11 in Annex 1</small>	50m
<b>Expected production cycle (e.g. site will be stocked with fish for 22 months out of 24):</b> <small>*See note 12 in Annex 1</small>	Harvest model: stocked for 22 to 23 months out of 24  Post Smolt model: 3 x ~100g-1kg cycles within a 24 month period. Each cycle will be between 5-8 months. Cycles will have at least 4 weeks fallow between them.

## Additional Information Required

In addition to the information provided above, the following supporting information is required as a minimum: *(If you have any queries about specific requirements please contact [aquaculture.regulation@sepa.org.uk](mailto:aquaculture.regulation@sepa.org.uk).)*

1. A site plan, in JPEG format, showing the area licensed by the Crown Estate and/or the planning consent boundary in which the pens will be located which clearly shows the location, layout, design and dimensions of the pens within that boundary. The four corner mooring buoys should be clearly identified on the plan using 10 character National Grid References (e.g. NR 1234 5678).

Document name & reference	210108-BNRT-CES-LOA Plan
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2. Outputs from relevant software modelling package(s) showing the projected dispersion of materials discharged (e.g. organic material, sea lice medicines, etc.) from the site.

Document name & reference	210315-BNRT-LLS-CFD Results Summary 210423-BNRT-Newdepomod Modelling 210113-BNRT-PAR Nutrient modelling
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3. The results of all environmental surveys undertaken (e.g. benthic surveys, hydrological surveys).

Document name & reference	210729-BNRT-OE-Benthic Baseline Appendix D Loch Long_Benthic Visual Survey Report 210205-LLS-BNRT ADCP data selection and repair
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4. A list of all chemicals and sea lice medicines which are intended to be used on the site\*. Please note that the following details are required:

- the trade name of the medicine or chemical and the manufacturer;
- the active ingredient;
- a copy of the manufacturers data sheet for each medicine or chemical;
- a method statement explaining in detail how each medicine and chemical will be used;
- total quantity of neat medicine or chemical or the total quantity of active ingredient to be used in a single treatment;
- maximum concentration of the active ingredient for each medicine or chemical (where applicable) to be used in a single treatment;
- details of storage arrangements for medicines and chemicals;
- Information regarding any net anti-fouling coatings which may be used.

**\*You should check product documentation (or if necessary, with the manufacturers) to establish if any of the chemicals listed in Annex 2 of this form are present. If any of these chemicals are present, you must list them and estimate the quantities which will be used.**

Document name & reference	210729-LLS-Production and Technical Statement
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## 5. A Fish Production Plan (FPP), to include as a minimum:

- a) Stocking plan for each production cycle;
- b) Projected monthly biomass figures;
- c) Anticipated time for which maximum biomass will be held during the production cycle.
- d) Feeding plan stating:
  - i) the quantity of feed to be used;
  - ii) the proposed feeding method;
  - iii) the expected feed conversion ratio in kg of fish production (wet weight) against kg of food (wet weight);
  - iv) the phosphorous content of the feed;
  - v) the nitrogen content of the feed and;
  - vi) the carbon content of the feed.
- e) The means by which discharge of uneaten feed and fish faeces will be minimised.

Document name & reference	210729-LLS-Production and Technical Statement
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## 6. A Medicine Minimisation Plan (MMP) to include, as a minimum:

- a) All non-medicinal measures, techniques or treatments which will be implemented in order to reduce the use of sea lice medicines on site, and;
- b) The methods to be employed to minimise the discharge of sea lice medicines, when they are used, stating:
  - i) how full containment of the pens will be achieved during bath medicine treatments;
  - ii) the proposed treatment volume for each bath medicine treatment, expressed as a percentage reduction of the pen volume.

Document name & reference	210729-LLS-Production and Technical Statement
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## 7. A Seabed and Water quality Monitoring Plan (SWMP). This should detail how environmental monitoring will be carried out in order to demonstrate that the site is complying with the relevant conditions of the Permit.

Document name & reference	210729-BNRT-OE-Environmental Monitoring Plan V1
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## 8. Copies of any Management Agreements between the authorised person and any third party which relate to the operation of the site.

Document name & reference	N/A
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## Declaration and Signature(s)

The Responsible Person identified on the associated Form A must sign below. Please use a separate sheet if required.

It is an offence under Regulation 44 of the Water Environment (Controlled Activities) (Scotland) Regulations 2011 to:

- Make a statement which you know to be false or misleading in a material particular; or,
- Recklessly make a statement which is false or misleading in a material particular for the purpose of obtaining an authorisation (for yourself or anyone else).


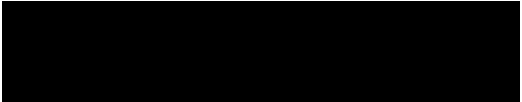
If you make a false statement:

- We may prepare a report to the Procurator Fiscal who may prosecute you, and If you are convicted, you are liable to a fine or imprisonment, or both.

Declaration  
(\*delete as appropriate):

- \* ~~I/We~~ certify that the information in this application is correct.
- \* ~~I/We~~ apply for an authorisation in respect of the particulars described in this application (including any supporting documentation that \*~~I/We~~ have supplied)
- \* ~~I/We~~ specify the address given above as the address at which \*~~I/We~~ will accept service of notices from SEPA.

Please note that the responsible person must sign the declaration themselves, even if an agent is acting on their behalf as applicant contact. For applications from a company or other corporate body the individual(s) signing should be duly authorised to sign on behalf of the company or corporate body. Applications from a Scottish partnership must be signed by a partner of that partnership or a person authorised by the partnership to sign on its behalf.

Name: (Print)		Job title/ Position:	Managing Director
Signature:		Date:	17th August 2021

## Form Submission

- At present, SEPA cannot accept digital submission of application forms. Please post a USB drive or CD-R/DVD-R containing your completed application form and all supporting information to the relevant address listed below.
- For paper applications, please send 2 copies of all relevant application forms to the appropriate address, listed below. Supporting information should be submitted alongside the application forms on appropriate digital media, e.g. USB drives or CD-R/DVD-R.
- If you are unsure where to send your application, please call us on one of the numbers below or contact your local SEPA office or email [regulation.aquaculture@sepa.org.uk](mailto:regulation.aquaculture@sepa.org.uk).

Aberdeen Office	Angus Smith Building	Dingwall Office
The Registry Department Inverdee House Baxter Street Torry Aberdeen AB11 9QA	The Registry Department 6 Parklands Avenue Holytown North Lanarkshire ML1 4WQ	The Registry Department Fodderty Way Dingwall Business Park Dingwall IV15 9XB
Tel: 01224 266 600	Tel: 01698 839 000	Tel: 01349 862 021

## Annex 1 – Application form Guidance

- 1. Site name.**  
This should be the name of the fish farm.
- 2. Site address and phone number\*.**  
This should be the postal address and phone number of the site shore base.  
*\*Please note that this may not be the registered address of the Authorised Person, as this information should be provided on Form A.*
- 3. Name of receiving water.**  
This should be the name of the waterbody (e.g. Loch, Voe, Sound, etc.) in which the fish farm is to be located.
- 4. National Grid Reference (NGR) at centre of pen group.**  
This should be a single 10 character NGR (e.g. NR 1234 5678) at the centre, or as close to the centre as possible, of the pen group or groups.
- 5. Species of fish to be farmed.**  
This should be the common and scientific name of the species which is to be farmed at the site, e.g. Atlantic salmon (*Salmo salar*).
- 6. Maximum weight of fish\*.**  
This should be the projected maximum weight of fish (biomass), in tonnes, which will be held on site at any time. Any reference to “weight of fish” means the weight of fish in the pens including stomach contents and body fluids. This should not be after any periods of starvation.  
*\*Please note that this figure should not include cleaner fish.*
- 7. Maximum Stocking density (kg/m<sup>3</sup>).**  
This should be the maximum weight of fish per cubic metre of water in the fish pens.
- 8. Number of pens.**  
This should be the total number of fish pens which will comprise the fish farm.
- 9. Dimensions of each pen.**  
Depending on the type of pens used, this should be the circumference, diameter and depth in metres (for circular pens) or the length, breadth and depth in metres (for square or rectangular pens). If different pen sizes are to be installed, the measurements of each pen type or individual pen will be required. If each pen is to have the same dimensions, measurements will only be required once.
- 10. Pen layout.**  
This should be:
  - the number of pen groups;
  - the number of pens in each group;
  - the number of rows;
  - the number of pens in each row;
  - the gap between each pen; and
  - the gap between each pen group (if applicable).
- 11. Depth of water below each pen.**  
This should be the depth of water in metres from the bottom of the lowest part of each pen to the seabed. If any part of a fish pen is likely to touch the seabed, this information must be included.
- 12. Expected production cycle.**  
This should be a brief summary of the duration of each production cycle, for example “site will be stocked with fish for 22 months out of every 24 month period”.

## Annex 2: Substances

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

**Table 1 - Substances**

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
Fluocifuron	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)