

**P-WAT-B2**

**The Environmental Authorisations (Scotland) Regulations 2018 (EASR)**

**Water Permit Activity:**

**Discharge of effluent from a freshwater pen fish farm**

Version 1.0

August 2025

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## **How to use this activity form**

Use this form to apply for:

* A **new permit** to carry out the water activity: ‘Discharge effluent from a freshwater pen fish farm.
* A **variation of an existing permit** that authorises the water activity: ‘Discharge effluent from a freshwater pen fish farm’.

## Before you apply

* Read the guidance for the water activity you are applying for on the relevant activity specific page on our [website](https://www.sepa.org.uk/easr).
* Where you see the term ‘document reference’, enter the document reference(s) for the information you have provided. These must be submitted along with the completed form.
* For applications made with insufficient or inadequate information; we will return these to the applicant with an explanation of what additional information is required and may retain part of the application fee in accordance with our published charging scheme.

## Multiple activities under a single permit

We may authorise multiple activities under a single permit, but only if the activities are connected. Activities may be considered connected if they are:

* located at the same geographical location,
* part of the same project, or
* operationally linked.

If the activities are connected, you may submit a single application for multiple activitiesunder one permit.

If the activities are not connected, you must submit a separate application for each activity.

## How to apply

**Digital application service:**

The quickest and easiest way to [apply is via our digital application service](https://www.sepa.org.uk/easr) on our website.

You will need to upload:

1. Completed activity form(s)
2. Any required supporting information

**Email/Post application:**

If you cannot apply using our digital application service, you can complete and submit an application via email or by post.

* For **a new permit**, your application must include:
1. A completed APP-GEN1 form
2. Completed activity form(s)
3. Any required supporting information
* For **a variation of a permit**, your application must include:
1. A completed APP-GEN1 form
2. Completed variation form(s)
3. Completed activity form(s) if required
4. Any required supporting information

Email and postal addresses for submitting your application are included in the APP-GEN1 form.

You can download [APP-GEN1, activity forms and variation forms](https://www.sepa.org.uk/easr) from our website.

## Section 1 - Location of the activity

### 1.1 Location description

Provide the following information about the location of the activity and include address and postcode if available.

**Table 1: Location description**

| **Question** | **Answer** |
| --- | --- |
| **Farm name** (e.g.Loch Placid fish farm) |  |
| **Name of waterbody**(as shown on Ordnance Survey 1:25,000) |  |
| **Postal address of the shore** **base for the farm** |  |
| **Postcode** |  |

### 1.2 Farm and pen locations

Provide the national grid reference (NGR) for the centre of the farm and for the centre of each pen. You can use our [SEPA NGR Tool](https://map.sepa.org.uk/ngrtool/) to find the NGR.

The NGR should be in one of these formats:

* 2 letters followed by 10 digits (e.g. AB 12345 67890)
* 2 letters followed by 8 digits (e.g. AB 1234 6789)

#### 1.2.1 Farm centre

Provide the NGR for the centre point of the fish pen group(s).

| **Farm centre NGR** |
| --- |
|  |

#### 1.2.2 Pen centre locations

Provide the NGR for the centre point of each pen. You can add more rows to the table if needed.

**Table 2*:* Pen centre NGRs**

| **Question** | **Answer** |
| --- | --- |
| **Pen 1 centre NGR** |  |
| **Pen 2 centre NGR** |  |
| **Pen 3 centre NGR** |  |
| **Pen 4 centre NGR** |  |
| **Pen 5 centre NGR** |  |
| **Pen 6 centre NGR** |  |

### 1.3 Location plan

Provide a location plan showing the area where the activity will take place.

The location plan must:

1. Clearly outline and identify the boundary of the areas where the activity will occur. These areas should be referenced and once authorised, they will be known as the authorised place.
2. Be based on an Ordnance Survey (OS) map with a 1:10,000 or 1:25,000 scale or the equivalent Admiralty Chart.
3. Be clear and easy to read on an A4 page, avoiding unnecessary details.
4. Include the date it was created, a scale bar and a north direction indicator.

| **Document reference** |
| --- |
|  |

## Section 2 - About your proposed activity

### 2.1 Non-technical summary

Provide a non-technical summary of your application, including:

* A brief overview of the proposed activity.
* The measures you will implement to control and prevent impact on the environment from the activity.

This summary may be published on our website as part of the public consultation process. Ensure it is written in simple and plain language so that all members of the public can clearly understand the details of your application.

| **Document reference** |
| --- |
|  |

### 2.2 Start date

Provide the proposed start date of the activity.

| **Start date** |
| --- |
|  |

### 2.3 Protected areas

Use the [NatureScot website map](https://sitelink.nature.scot/map) to check the proximity of your proposed farm to any of the following protected areas: Site of Special Scientific Interest (SSSI), Special Area of Conservation (SAC) and Special Protection Area (SPA).

#### 2.3.1 Proximity to protected areas

Will the farm be located in a waterbody which is, or which is within 3km, of an SSSI, SAC or SPA?

Yes [ ]

No [ ]

* If you answered ‘Yes’, complete the rest of Section 2.3 then continue to Section 3.
* If you answered ‘No’, proceed to Section 3.

#### 2.3.2 Consultation with NatureScot

Tell us if you have discussed your activity with NatureScot, and provide:

* Details of any mitigation actions you intend to implement to address areas of concern.
* All relevant correspondence or consents related to the proposed farm.

| **Document reference** |
| --- |
|  |

#### 2.3.3 Relevant surveys

Provide any relevant surveys conducted to establish the presence of any designated species and habitat that may be affected by the proposed farm.

| **Document reference** |
| --- |
|  |

## Section 3 - Details of the farm layout

### 3.1 Pen details

**3.1.1 Maximum number of pens**

Provide the maximum number of pens on the farm.

| **Maximum number of pens** |
| --- |
|  |

#### 3.1.2 Pen layout

Provide the proposed layout including a plan of the pen grid and moorings.

| **Document reference** |
| --- |
|  |

#### 3.1.3 Square pen dimensions

For any planned square pens, provide the length, breadth and depth in metres.

**Table 3: Square pen dimensions**

| **Question** | **Answer** |
| --- | --- |
| **Length** (in metres) |  |
| **Breadth** (in metres) |  |
| **Depth** (in metres) |  |

#### Circular pen dimensions

For any planned circular pens, provide the circumference, diameter and depth in metres.

**Table 4: Circular pen dimensions**

| **Question** | **Answer** |
| --- | --- |
| **Circumference** (in metres) |  |
| **Diameter** (in metres) |  |
| **Depth** (in metres) |  |

* + 1. **Average water depth below pens**

Provide the average water depth below the pens. This is measured from the bottom of the nets to loch beds in metres.

| **Water depth** (m) |
| --- |
|  |

* + 1. **Mooring type**

Provide the type of mooring, e.g. single point or corner anchors.

| **Mooring type** |
| --- |
|  |

* + 1. **Radius of swing**

If single point, provide the radius of swing (in metres).

| **Radius of swing** (m) |
| --- |
|  |

#### 3.1.8 Associated land-based facilities

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.

| **Document reference** |
| --- |
|  |

## Section 4 - Operational details

### 4.1 Fish species

Indicate what species of fish you rear or plan to rear.

| **Fish species** |
| --- |
|  |

### 4.2 Production details

#### 4.2.1 Planned maximum production and biomass

Provide details on the planned maximum production (in tonnes per year) and the planned maximum weight of fish (biomass) to be held at any time (in tonnes).

**Table 5: Planned maximum production and biomass**

| **Question** | **Answer** |
| --- | --- |
| **Planned maximum production** (in tonnes per year) |  |
| **Planned maximum weight of fish to be held at any time** (in tonnes) |  |

#### 4.2.2 Stocking plan

Provide a stocking plan for the on-growing cycle based upon monthly projections.

| **Document reference** |
| --- |
|  |

#### 4.2.3 Stocking density

Provide the planned maximum stocking density (in kilograms per cubic metre).

| **Stocking density** (kg/m3) |
| --- |
|  |

### 4.3 Fish food

#### 4.3.1 Quantity of fish food

Provide the total quantity of fish food you plan to use in a year, in tonnes.

| **Total quantity of food** (tonnes) |
| --- |
|  |

#### 4.3.2 Food conversion ratio

Provide the food conversion ratio you expect to achieve in kilograms of fish produced (wet weight) per kilogram of food used (wet weight).

| **Food conversion ratio**  |
| --- |
|  |

Please provide supporting documentation.

| **Document reference** |
| --- |
|  |

#### 4.3.3 Phosphorus and nitrogen content

Provide the phosphorus and nitrogen content of the fish food, expressed as percent composition by weight.

**Table 6: Phosphorus and nitrogen content details**

| **Question** | **Answer** |
| --- | --- |
| **Phosphorus percent composition** (% by weight) |  |
| **Nitrogen percent composition** (% by weight) |  |

### 4.4 Use of chemicals or medicines

List all chemicals or medicines you plan to use on the farm that could enter the receiving waters. This includes any substances such as therapeutants (in-feed or bath treatments), anaesthetics, disinfectants, or anti-fouling net coatings.

Provide the following details for each chemical or medicine:

* Chemicals or medicines trade name and manufacturer.
* Active ingredient.
* A copy of the manufacturer’s data sheet.
* A method statement explaining in detail the procedure used to carry out the treatment, including measures to minimise the release of chemicals or medicines into the environment.
* Maximum treatment concentration (active ingredient), where applicable.
* Number of applications typically needed for each complete treatment.
* Total quantity of active ingredient used for each treatment.
* An indication of the number of treatments which could be required over a year, assuming:

(a) optimistic conditions; and

(b) pessimistic conditions.

* Details of storage arrangements for chemicals and medicines.

| **Document reference** |
| --- |
|  |

### 4.5 Minimising the release of polluting matter

#### 4.5.1 Minimising deposition of food and faeces

Describe how you intend to minimise the deposition of food or fish faeces underneath the pens.

| **Document reference** |
| --- |
|  |

#### 4.5.2 Containment during treatment with therapeutics

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

| **Document reference** |
| --- |
|  |

#### 4.5.3 Minimising treatment volumes

SEPA will expect you to minimise the treatment volume within each pen during bath treatments.

Provide the treatment volume relative to the normal working volume in cubic metres or percent reduction.

| **Treatment volume** (m3 or %) |
| --- |
|  |

## Section 5 - Additional information

Please provide references for any additional supporting documents submitted with this application.

| **Document reference(s)**  |
| --- |
|  |