

P-WAT-B2

The Environmental Authorisations (Scotland) Regulations 2018 (EASR)

Water Permit Activity:

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

Contents

How to use this activity form	3
Before you apply.....	3
Multiple activities under a single permit	3
How to apply	4
Section 1 - Location of the activity	5
1.1 Location description	5
1.2 Farm and pen locations.....	6
1.3 Location plan.....	8
Section 2 - About your proposed activity	9
2.1 Non-technical summary	9
2.2 Start date	9
2.3 Protected areas.....	10
Section 3 - Details of the farm layout.....	11
3.1 Pen details	11
Section 4 - Operational details.....	14
4.1 Fish species	14
4.2 Production details.....	14
4.3 Fish food	15
4.4 Use of chemicals or medicines	17
4.5 Minimising the release of polluting matter	19
Section 5 - Additional information	20

If you would like this document in an accessible format, such as large print, audio recording or braille, please contact SEPA by emailing equalities@sepa.org.uk

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.
- 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 activities under 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](#) 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 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)	Loch Tay Fish Farm
Name of waterbody (as shown on Ordnance Survey 1:25,000)	Loch Tay
Postal address of the shore base for the farm	Kames Fish Farm- Loch Tay, Acharn, Aberfeldy, Perth PH15 2HP
Postcode	PH15 2HP

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](#) 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
NN76183 44298

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	Circle A1 - NN 76079 44300
Pen 2 centre NGR	Circle A2 - NN 76107 44309
Pen 3 centre NGR	Circle A3 - NN 76138 44319
Pen 4 centre NGR	Circle A4 NN 76169 44329
Pen 5 centre NGR	Circle A5 NN 76198 44338
Pen 6 centre NGR	Square B1 - NN 76238 44301
Pen 7 centre NGR	Square B2 NN 76251 44314

Question	Answer
Pen 8 centre NGR	Square C4 NN 76226 44290
Pen 9 centre NGR	Square C1 NN 76198 44262
Pen 10 centre NGR	Square C2 NN 76207 44270
Pen 11 centre NGR	Square C3 NN 76215 44278
Pen 12 centre NGR	Square C7 NN 76225 44270
Pen 13 centre NGR	Square C5 NN 76253 44299
Pen 14 centre NGR	Square C6 NN 76239 44285

1.3 Location plan

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

The location plan must:

1. Be based on a 1:10,000 or 1:25,000 scale map or equivalent nautical chart.
2. Use a continuous line to clearly outline the boundary of the area where the activity will be carried on.
3. Label the boundary of the area where the activity will be carried on. Once authorised, this area will be known as the authorised place.
4. Be clear, in focus and easy to read on an A4 page, avoiding unnecessary details.
5. Include a scale bar, the date it was created, a north direction indicator, and context such as coastal features.

Document reference

1 Kames Loch Tay Location Plan 1.10000

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 Kames Loch Tay Non Technical Summary

2.2 Start date

Provide the proposed start date of the activity.

Start date

1st October 2026

2.3 Protected areas

Use the [NatureScot website 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

3 Kames Loch Tay NatureScot Consultation – Freshwater Production at Loch Tay

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
14

3.1.2 Pen layout

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

Document reference
4 Kames Loch Tay Site Layout Plan 1.5000

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)	4 of 10m	and	2 of 8.5m
Breadth (in metres)	10m		8.5m
Depth (in metres)	10m		8m

3.1.4 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)	5 of 70m	and	3 of 40m
Diameter (in metres)	22.3m		12.7m
Depth (in metres)	12m + 5m cone		10m + c4m cone

3.1.5 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)
5m average below the net across the site.

3.1.6 Mooring type

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

Mooring type
Outer group cage grid with multi point anchors and inner line with multipoint anchors

3.1.7 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

There are no proposed changes to the existing equipment or shore base.

Section 4 - Operational details

4.1 Fish species

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

Fish species
Rainbow Trout (<i>Oncorhynchus mykiss</i>)

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)	486t
Planned maximum weight of fish to be held at any time (in tonnes)	485t

4.2.2 Stocking plan

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

Document reference
5 Kames Loch Tay - Production Plan

4.2.3 Stocking density

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

Stocking density (kg/m ³)
15 across site (17 in any one cage)

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)
664

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
1.4

Please provide supporting documentation.

Document reference
Current farming practice: 6 SEPA biomass returns 2025 and 14 Feed labels with example batch phosphorus content.

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)	Various by feed type and batch, used for forecast: Feed 1: 1.35% Feed 2: 1.25%

Question	Answer
	Feed 3: 1.05%
Nitrogen percent composition (% by weight)	Feed 1: 6.24% Feed 2: 5.85% Feed 3: 5.40%

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

Addition to existing permitted list: Appendices:

7 Divosan Safety Data Sheet

8 Hypofoam Safety Data Sheet

9 OPR Harvesting

10 Site Management Manual Loch Tay V3

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

10 Site Management Manual (8.1.4 Feed Management Plan)
11 OPR Feed Management Ongrowing V1

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

N/A

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 %)

N/A

Section 5 - Additional information

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

Document reference(s)
12 Modelling of change in total phosphorus and ecological status of Loch Tay – Institute of Aquaculture University of Stirling