**­­­­­**

**Marine Pen Fish Farm Permit**

**<Site Name>**

**<Authorisation Number>**

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](mailto:equalities@sepa.org.uk)

Introduction

**This introduction is not part of the authorisation.**

Authorisations

**Who we are:** The Scottish Environment Protection Agency (SEPA) is a non-departmental public body of the Scottish Government. Our purpose is to deliver environmental protection and improvement in ways that, as far as possible, also create health and wellbeing benefits and sustainable economic growth.

**Why we issue authorisations:** SEPA is responsible for preventing or controlling pollution and improving the environment. One of the tools available to SEPA is the authorisation of activities that present environmental risk. Authorisations give permission for these activities to occur and set conditions that the activities must comply with.

**When we issue authorisations:** SEPA will issue an authorisation following our determination of an application, when satisfied that the authorised person has put in place measures to protect the environment and is capable of carrying out activities in line with the conditions of an authorisation.

**Changes to authorisations:** SEPA can amend, suspend or revoke an authorisation in response to changes in legislation, the activities undertaken or authorisation holder performance.

**Compliance and enforcement:** SEPA Officers may undertake monitoring and inspections to assess compliance with authorisation conditions. All authorisations and inspection reports are publicly available.If an authorised person fails to comply with an authorisation, SEPA may take enforcement action in line with our enforcement policy and guidance.

General information:

|  |  |
| --- | --- |
| Address: | <Site Address - Line 1>  <Site Address - Line 2>  <Site Address - Line 3>  <Site Postcode> |
| Description of authorised activities: | The operation of a marine pen fish farm including the abstraction of water and the discharge to the water environment of fish excreta, uneaten food and other substances as listed in this permit. |
| Environmental risks SEPA has regulatory powers to control: | The adverse impact on the water environment due to the abstraction of water and the discharge of organic material, medicines and permitted substances from a pen fish farm. |

|  |  |
| --- | --- |
| **Notification: Grant of Authorisation** | |
| This authorisation has been granted by the Scottish Environment Protection Agency (SEPA) in exercise of its powers under:  Regulation 8 of the Water Environment (Controlled Activities) (Scotland) Regulations 2011 (“the Regulations”) | |
| Authorisation Number: | <<Enter Authorisation Number>> |
| Authorised Person: | <<Authorised Person>>  <<Company Number - if applicable>>  <<Registered Address>> |
| Date of Authorisation: | <<DD/MM/YYYY>> |
| Authorised Activities: | The operation of a marine pen fish farm including the abstraction of water and the discharge to the water environment of fish excreta, uneaten food and other substances as listed in this permit. |
| Authorised Place: | <<Enter Site Name>> |
| Conditions applicable to this authorisation: | The conditions contained in the schedules of this authorisation. Terms used in this authorisation are, unless otherwise specified, defined in the Interpretation of Terms schedule. |
| Authorised by: | …………………………….…………………..  Authorised to sign on behalf of the Scottish  Environment Protection Agency |

Contents

[Schedule 1: The Authorised Person and Activities 4](#_Toc187765427)

[1.1 Duty of Authorised Person 4](#_Toc187765428)

[1.2 Authorised Activities 4](#_Toc187765429)

[Schedule 2: Marine Pen Fish Farm Description 5](#_Toc187765430)

[2.1 Fish Species 5](#_Toc187765431)

[2.2 Maximum Weight of Fish 5](#_Toc187765432)

[2.3 Fallow Period and Restocking 5](#_Toc187765433)

[2.4 Pen Configuration 6](#_Toc187765434)

[Schedule 3: Permitted Medicines and Substances 8](#_Toc187765435)

[3.1 Medicine Discharge Minimisation 8](#_Toc187765436)

[3.2 Medicines and Permitted Substances 8](#_Toc187765437)

[3.3 Bath Medicinal Treatments 8](#_Toc187765438)

[3.4 In-feed Medicinal Treatments 10](#_Toc187765439)

[3.5 Permitted Substances 11](#_Toc187765440)

[3.6 Notification of Medicine Use 12](#_Toc187765441)

[Schedule 4: Seabed Standards 13](#_Toc187765442)

[4.1 Biological Seabed Standards 13](#_Toc187765443)

[4.2 Chemical Seabed Standards 13](#_Toc187765444)

[Schedule 5: Environmental Monitoring 14](#_Toc187765445)

[5.1 Environmental Monitoring Plan 14](#_Toc187765446)

[5.2 Biological Sampling Period 15](#_Toc187765447)

[5.3 Chemical Sampling Period and Location 15](#_Toc187765448)

[5.4 Notification of Monitoring 16](#_Toc187765449)

[Schedule 6: Environmental Events 17](#_Toc187765450)

[6.1 Notification of SEPA 17](#_Toc187765451)

[6.2 Management of the Event 17](#_Toc187765452)

[6.3 Reporting of the Event 17](#_Toc187765453)

[Schedule 7: Record Keeping and Data Submission 18](#_Toc187765454)

[7.1 Data Recording 18](#_Toc187765455)

[7.2 Data Reporting 19](#_Toc187765456)

[Schedule 8: Sea Lice 21](#_Toc187765457)

[8.1 Sea Lice Management 21](#_Toc187765458)

[8.2 Sea Lice Data and Reporting and Recording 22](#_Toc187765459)

[Schedule 9: Interpretation of Terms 24](#_Toc187765460)

# The Authorised Person and Activities

|  |
| --- |
| Purpose: This schedule places responsibility on the authorised person to ensure compliance with the conditions of this authorisation, and details the activities that can be carried out. |

## Duty of Authorised Person

### The authorised person must ensure compliance with the conditions of this authorisation.

## Authorised Activities

### The authorised activities are:

#### the operation of a marine pen fish farm;

#### the discharge to the water environment of fish excreta, uneaten food and other substances as listed in this permit; and

#### the abstraction of more than 10m3/day of seawater.

# Marine Pen Fish Farm Description

|  |
| --- |
| Purpose: This schedule limits the scale of the adverse impact from the activities by controlling the maximum weight of fish, fallow periods, stocking notifications and the specific location and layout of the fish farm |

## Fish Species

### Atlantic Salmon *(Salmo salar)*ORRainbow Trout *(Oncorhynchus mykiss)* OR<<Insert names of other species, if applicable. Please include English and scientific names>> must only be farmed at the authorised place.

## Maximum Weight of Fish

### The maximum weight of Atlantic SalmonORRainbow TroutOR<<Insert names of other species, if applicable>> held at the authorised place at any one time must not exceed <<Enter Value>>tonnes.

## Fallow Period and Restocking

### There must be a minimum period of 21 consecutive days between every production cycle during which Atlantic SalmonORRainbow TroutOR<<Insert names of other species, if applicable>> must not be kept at the authorised place.

### SEPA must be notified in writing within 14 days of the authorised place being stocked.

### SEPA must be notified in writing within 14 days if the authorised place is stocked with fish that have been treated with the active ingredient in Table 3.

### SEPA must be notified in writing within 14 days of the authorised place being fallowed.

### The information required by 2.3.2, 2.3.3 and 2.3.4 must be sent to [aquaculture.notifications@sepa.org.uk](mailto:aquaculture.notifications@sepa.org.uk).

### OPTIONAL Delete if not required The site must be operated in accordance with the Management Agreement concluded between <<Enter Party A>>, <<Enter Party B>> and <<Enter Party C (if applicable, else delete)>>, reference <<Enter Reference>> dated <<Enter Date>>.

## Pen Configuration

### The fish pens must be configured as set out in Table 1.

Table Pen Configuration

|  |  |
| --- | --- |
| **Number of pens** | <<Enter Value>> |
| **Circumference of pens** | <<Enter Value, in metres>>m |
| **OPTIONAL for square pens, delete if not requiredLength of pen sides** | <<Enter Values, e.g. 24x24, in metres>>m |
| **Depth of nets** | <<Enter Value, in metres>>m |
| **Number of pen groups** | <<Enter Value>> |

|  |  |  |
| --- | --- | --- |
| **Group 1** | **Total Number of pens** | <<Enter Value>> |
| **Number of pens in row 1** | <<Enter Value>> |
| **Number of pens in row 2** | <<Enter Value>> |
| **Group 2 Delete as required** | **Total Number of pens** | <<Enter Value>> |
| **Number of pens in row 1** | <<Enter Value>> |
| **Number of pens in row 2** | <<Enter Value>> |

### The authorised location of the fish pen group is within an area delineated in Figure 1 and bounded by the pen corner buoys located at the following National Grid References (NGRs):

1. <<Enter 10 Fig NGR>> (<<Enter cardinal point, e.g. NW>>)
2. <<Enter 10 Fig NGR>> (<<Enter cardinal point, e.g. NW>>)
3. <<Enter 10 Fig NGR>> (<<Enter cardinal point, e.g. NW>>)
4. <<Enter 10 Fig NGR>> (<<Enter cardinal point, e.g. NW>>)

### The pen corner buoys must not be located at a distance greater than 50 metres in any direction from the NGRs listed in 2.4.2.

Figure Fish Pen Location

# Permitted Medicines and Substances

|  |
| --- |
| Purpose: This schedule limits the risk to the water environment from the discharge of fish medicines and requires the authorised person to use the water environment efficiently by taking reasonable steps to minimise those discharges. |

## Medicine Discharge Minimisation

### All reasonable steps must be taken to minimise the discharge of medicines.

## Medicines and Permitted Substances

### Only those medicines and other substances specifically authorised in this Permit may be discharged to the water environment.

## Bath Medicinal Treatments

### The medicines in Table 2 must only be discharged following treatment of fish within an enclosure fully separated from the water environment or following treatment of fish within a vessel.

Table Permitted Medicines - Bath

|  |  |
| --- | --- |
| Medicine name | Active ingredient |
| Salmosan, Salmosan Vet or Azasure | Azamethiphos |
| AMX or ALPHAMAX | Deltamethrin |
| OPTIONAL - delete row if not required Excis | OPTIONAL - delete row if not required Cypermethrin |

### The quantity of medicines in Table 2 used, whether in a pen or a vessel or a combination of both must not exceed:

#### <<Enter Value>> grams of azamethiphos in any 24 hour period.

#### OPTIONAL Delete if not required<<Enter Value>> grams of azamethiphos in any 3 hour period.

#### <<Enter Value>> grams of deltamethrin in any 3 hour period.

#### OPTIONAL Delete if not required<<Enter Value>> grams of cypermethrin in any 3 hour period.

### During any treatment:

#### the medicines in Table 2 must not be combined in either a pen or vessel;

#### in-feed medicines and the medicines in Table 2 must not be used simultaneously in the same pen; and

#### the medicines in Table 2 must not be combined with any other substance or compound unless the substance or compound is included as a category in Table 4.

### Discharges of medicines from a vessel must only be made whilst the vessel is moored to the fish pens or maintaining position immediately adjacent to the fish pens.

### OPTIONAL There may be a requirement for different pen volume reductions for each medicine.When carrying out treatments in a pen, the enclosure in which fish are treated with <<Enter Medicine Name OR enter the medicines in Table 2 (if reduction for all medicines is the same)>> must be reduced by a minimum of <<<<Reduction should normally be between 50 & 70%. Can be outwith this on a site-specific basis>>>> of the full pen volume.

### OPTIONAL There may be a requirement for different pen volume reductions for each medicine.When carrying out treatments in a pen, the enclosure in which fish are treated with <<Enter Medicine Name(s)>> must be reduced to a minimum of <<Reduction should normally be between 50 & 70%. Can be outwith this on a site specific basis>> of the full pen volume.

## In-feed Medicinal Treatments

Table Permitted Medicines – in-feed

|  |  |
| --- | --- |
| Medicine name | Active ingredient |
| Slice or Quinafish | Emamectin benzoate |

### Any treatment with the active ingredient in Table 3 must be carried out over a minimum 7-day period.

### Subject to 3.4.3, the total amount of the active ingredient in Table 3 used in any treatment must not exceed an amount equivalent to treating the Atlantic SalmonORRainbow TroutOR<<Insert names of other species, if applicable>> at a rate of 60 micrograms per kilogram of fish per day over a 7 day period.

### Any discharge of the active ingredient in Table 3 must not exceed the maximum environmental quantity of <<Enter Value>> grams.

## Permitted Substances

### Substances listed as categories in Table 4 must only be discharged subject to the corresponding limits in Table 4.

Table Permitted Substances

|  |  |
| --- | --- |
| **Category** | **Limits** |
| Anaesthetics | Prior to discharge, anaesthetics must be diluted to an appropriate working strength.  Where the quantity of dilute anaesthetics is greater than 150 litres, it must be discharged over a minimum period of 15 minutes. |
| Antifoulants | Anti-foulants must only be used for the purposes of protecting fish farm infrastructure and equipment from excessive growth of marine flora and fauna.  Discharge of anti-foulants to the water environment must only be as a result of leaching or erosion from previously treated surfaces.  Removal of antifoulants must not be carried out at the authorised place.  Application of antifoulants must not be carried out at the authorised place. |
| Anti-microbials | Anti-microbials must only be discharged to the water environment following treatment of fish with an in-feed formulation of the medicine. |
| Anti-parasitics | Must only contain hydrogen peroxide as the active ingredient.  Must only be discharged following treatment of fish within an enclosure fully separated from the water environment or following treatment of fish within a vessel.  When carrying out treatments in a pen, the enclosure in which fish are treated must be reduced by a minimum of 70% of the full pen volume. |
| Detergents | Discharge of detergents to the water environment must only be as a result of wash-off from treated surfaces. |
| Disinfectants | Discharge of disinfectants to the water environment must only be as a result of wash-off from treated surfaces. |
| Lubricants of fish contact surfaces | Must only contain tetrasodium EDTA as the active ingredient.  Prior to discharge, products containing tetrasodium EDTA must be diluted to 0.2mg/l. |

## Notification of Medicine Use

### When, in the opinion of a veterinary surgeon, fish require to be treated with any medicine in Table 2 in less than 48 hours, SEPA must be given the information in Table 5 no less than 24 hours before any such treatment is carried out. In all other circumstances, SEPA must be given the information required in Table 5 no less than 48 hours before the use of any medicine in Table 2.

Table Bath Medicine Notifications

|  |  |
| --- | --- |
| Medicine type | Information required |
| Bath medicines | Name of medicine to be used |
| Proposed start date of treatment |

### SEPA must be given the information required in Table 6 no less than 7 days before using any medicine in Table 3.

Table In-Feed Medicine Notifications

|  |  |
| --- | --- |
| Medicine type | Information required |
| In-feed medicines | Biomass at start of treatment (t) |
| Biomass at end of treatment (t) |
| Quantity of medicine to be used (kg) |
| Quantity of active ingredient to be used (g) |
| Proposed start and end date of treatment |

### The information required by 3.6.1 and 3.6.2 must be sent to [aquaculture.notifications@sepa.org.uk](mailto:aquaculture.notifications@sepa.org.uk).

# Seabed Standards

|  |
| --- |
| Purpose: This schedule details the minimum environmental standards that must be met in order to protect the flora and fauna within the seabed. |

## Biological Seabed Standards

### The level of enrichment of the seabed immediately adjacent to the outer edge of any pen must not result in either:

#### fewer than 2 species of re-worker polychaete worms per square metre; or

#### fewer than 1,000 individual re-worker polychaete worms per square metre.

### In assessing compliance with 4.1.1, the results for a particular location may be disregarded if:

#### the seabed has been sampled at 4 or more locations immediately adjacent to the outer edge of any pens during the same monitoring period; and

#### only one of the sampled locations does not meet the standard in 4.1.1.

### The seabed around the fish farm at the boundary of an area of <<Enter Value>>m2 (the “mixing zone”) must meet as a minimum an Ecological Quality Ratio (EQR) of 0.64 IQI (Infaunal Quality Index) at any time.

## Chemical Seabed Standards

### Emamectin benzoate concentrations must not exceed 763ng/kg (wet weight) in the seabed at the location specified in 5.3.2.

# Environmental Monitoring

|  |
| --- |
| Purpose: This schedule requires the authorised person to carry out environmental monitoring in accordance with SEPA guidance. |

## Environmental Monitoring Plan

### Monitoring to assess the standards in 4.1.1, 4.1.3 and 4.2.1 must be carried out in accordance with:

#### OPTIONAL - Delete if not requiredThe Environmental Monitoring Plan (EMP) <<Enter the Document name, Reference number, Version number, Date of document>>.

#### Measurement assurance and certification Scotland, Performance standard MACS-FFA-PS-01, Finfish Aquaculture Sector, Sampling of soft-substrate, version 2, dated July 2023.

#### Measurement Assurance and Certification Scotland, Performance standard MACS-FFA-PS-02 Finfish Aquaculture Sector, Physical and chemical testing, version 1, dated March 2022.

#### Measurement Assurance and Certification Scotland, Performance standard MACS-FFA-PS-03 Finfish Aquaculture Sector, Biological testing, version 1, dated March 2022.

### OPTIONAL condition - Delete if not requiredAn Environmental Monitoring Plan (EMP), written in accordance with the SEPA document “Marine Finfish Farms Seabed environmental standards Demonstrating compliance guidance for operators”, version 1, dated March 2022 must be submitted to SEPA no later than <<Enter Date>>.

## Biological Sampling Period

### Subject to 5.2.2, during each production cycle, sampling to assess the standards in 4.1.1 and 4.1.3 must:

#### Begin no earlier than 10 days before the weight of fish is reduced to 75% of final peak biomass and;

#### Be completed no later than 70 days after the weight of fish is reduced to 75% of final peak biomass.

### Where more than one production cycle is carried out in each 24 month period, sampling in accordance with condition 5.2.1 is only required once in that period.

## Chemical Sampling Period and Location

### During each production cycle, sampling to assess the standard in 4.2.1 must be carried out in the period between 80 & 169 days after:

#### the last use of in-feed medicine in each production cycle, or;

#### the date on which the authorised place is stocked with fish which have been treated with an in-feed medicine,

#### whichever is later.

### Samples collected in accordance with 5.3.1 must be collected at a distance of 150m from the outer edge of the <<Insert cardinal point, e.g. north west>> pen <<of pen group eg, 1,2,3,etc>> on a bearing of <<Insert site specific bearing>> degrees.

### OR Optional condition - delete if not required

### Samples collected in accordance with 5.3.1 must be collected at a distance of 150m, along a bearing of <<Insert site specific bearing>> degrees, from the outer edge of <<the pen identified as the starting point of Transect X >> OR << Insert relevant Transect or identifying location >> in <<Insert relevant Figure in EMP>> of the Environmental Monitoring Plan (EMP) << Insert EMP naming from condition 5.1.1 >>.

## Notification of Monitoring

### SEPA must be notified by email at [aquaculture.notifications@sepa.org.uk](mailto:aquaculture.notifications@sepa.org.uk) no less than 14 days before sampling in accordance with 5.2.1 and 5.3.1 is undertaken.

# Environmental Events

|  |
| --- |
| Purpose: This schedule requires the cessation, prevention and reporting of any potentially polluting event that may arise from the authorised activities. |

## Notification of SEPA

### SEPA must be notified via its pollution hotline contact telephone number as soon as reasonably practicable, and in any case within 24 hours of identification of an event, of any of the following:

#### an event that has caused or could cause adverse impact to the environment or harm to human health;

#### an event that results, or could result, in an emission to the environment that is not authorised by this permit; and

#### an event that has caused a breach of a condition of this authorisation.

#### In this condition, the meaning of ‘event’ is as defined in the Interpretation of Terms in schedule 9 of this authorisation.

## Management of the Event

### All measures that are reasonably practicable must be taken to stop an event, as described in 6.1.1, and to minimise its effect on the environment.

## Reporting of the Event

### Within 14 days of an event as described in 6.1.1, a report must be submitted to SEPA detailing:

#### the reason(s) for the event;

#### the action(s) taken to stop the event and minimise the impacts; and

#### the action(s) taken to prevent the event from recurring.

# Record Keeping and Data Submission

|  |
| --- |
| Purpose: This schedule requires the authorised person to keep records of specific activities carried out on site and to provide SEPA with specified information at regular intervals, or upon request. |

## Data Recording

### All information recorded, kept, or submitted to SEPA in accordance with a condition of this Permit must be:

#### true and accurate;

#### held for a minimum period of 6 years, and;

#### provided to SEPA upon request.

### Records must be kept of the following:

#### all medicine use notifications;

#### quantities of medicine used during each medicinal treatment (g or l);

#### weight of Atlantic SalmonORRainbow TroutOR<<Insert names of other species, if applicable>> at the end of each medicinal treatment (t);

#### names and total amounts of each anaesthetic used each month(l);

#### names and total amounts of each detergent used each month (l);

#### names and total amounts of each disinfectant used each month (l), and;

#### total weight of Atlantic SalmonORRainbow TroutOR<<Insert names of other species, if applicable>> harvested per month (t).

## Data Reporting

### The information specified in Table 7 must be submitted on a quarterly basis in the ‘SEPA Marine Fish Farm Data Return’ Excel spreadsheet, supplied by SEPA, to [ffbiomass@sepa.org.uk](mailto:ffbiomass@sepa.org.uk) no later than the relevant submission deadline in Table 8 for every calendar year during which the site is operational.

Table Data Reporting Requirements

|  |  |
| --- | --- |
| **Requirement number** | **Information to be Submitted** |
|  | Maximum weight of Atlantic SalmonORRainbow TroutOR<<Insert names of other species, if applicable>> held on site during each month (t) |
|  | Total amount of feed used per month (kg) |
|  | Total Salmosan and/or Salmosan Vet and/or Azasure used in each treatment (g) |
|  | Total AMX and/or ALPHAMAX used in each treatment (l) |
|  | Total Slice and/or Quinafish used in each treatment (g) |
|  | Total azamethiphos used in each treatment (g) |
|  | Total deltamethrin used in each treatment (g) |
|  | Total emamectin benzoate used in each treatment (g) |
|  | OPTIONAL - delete row if cypermethrin not used Total Excis used in each treatment (l) |
|  | OPTIONAL - delete row if cypermethrin not used Total cypermethrin used in each treatment (g) |
|  | Daily start and end times of each bath medicinal treatment |
|  | Start and finish dates of each medicinal treatment |
|  | Dates in each medicinal treatment on which medicines were used |
|  | Name of vessel used, where applicable |
|  | The names and total amounts of each anti-parasitic used each month (kg) |
|  | The names and total amounts of each anti-microbial used each month (g) |
|  | The name of any substance listed in Table 4 used in combination with any bath medicinal treatment |
|  | The number of pens treated in each bath medicinal treatment |
|  | Total weight of mortalities of Atlantic SalmonORRainbow TroutOR<<Insert names of other species, if applicable>> each month (kg) |

Table Data Reporting Submission Deadline

|  |  |  |
| --- | --- | --- |
| **Quarter** | **Reporting Period** | **Submission Deadline** |
| 1 | 1 January – 31 March | 28 April |
| 2 | 1 April – 30 June | 28 July |
| 3 | 1 July – 30 September | 28 October |
| 4 | 1 October – 31 December | 28 January |

### Results from the analysis of all samples collected in accordance with 5.1.1 must be submitted to [aquaculture.monitoring@sepa.org.uk](mailto:aquaculture.monitoring@sepa.org.uk) in the Environmental Monitoring Survey Results Template Excel spreadsheet no later than <<16 weeks if site is high risk, 26 weeks if site is low risk>> weeks from the final date of each sampling period, as described in 5.2.1.

### Within 4 weeks of the end of each production cycle a description of each of the steps taken in accordance with 3.1.1 and the dates and/or time period(s) over which they were implemented must be sent to [aquaculture.notifications@sepa.org.uk](mailto:aquaculture.notifications@sepa.org.uk).

# Sea Lice

|  |
| --- |
| **Purpose: This schedule limits the risk to the water environment from sea lice on farmed fish.** |

## Sea Lice Management

### Subject to 8.1.2, sea lice counts must be undertaken at the authorised place, each calendar year, in the period from day 1 of week 12 until day 7 of week 44 as defined in the BSI ISO 8601 calendar, except:

#### On a day when the authorised place has been fallow for 5 or more consecutive days up to that date; or

#### In the first 6-week period of a production cycle providing that all Atlantic Salmon OR Rainbow Trout at the authorised place during that period, have been transferred there from a freshwater facility; or

#### During any week when the number of Atlantic Salmon OR Rainbow Trout at the authorised place does not exceed 35 000.

### Sea lice counts must be undertaken at the authorised place:

#### weekly; and

#### in accordance with Measurement Assurance Certification Scotland, Performance Standard MACS-FFA-PS-04, Finfish Aquaculture Sector, Sea lice surveillance, version 1, dated September 2024.

### NOTE – THE BELOW CONDITION IS OPTIONAL, ONLY TO BE APPLIED WHERE A SEA LICE LIMIT CONDITION IS REQUIRED.

### Each calendar year, in the period from day 1 of week 12 until day 7 of week 22 as defined in the BSI ISO 8601 calendar, the number of adult female sea lice in the pens at the authorised place must not exceed:

#### an average of [LIMIT] over any consecutive 4-week period falling within the period beginning on day 1 of week 12 and ending on day 7 of week 22; or

#### [LIMIT] in any single count.

### In this condition, “the number of adult female sea lice in the pens” is as defined in the Interpretation of Terms in schedule 9 of this authorisation.

## Sea Lice Data and Reporting and Recording

### For the reporting period specified in Table 9, the information specified in Table 10 must be submitted by the relevant submission deadline in Table 9 when the site is operational.

### The information specified in Table 10 must be submitted in the ‘SEPA Sea Lice Data Return’ Excel spreadsheet, supplied by SEPA, to [ffbiomass@sepa.org.uk](mailto:ffbiomass@sepa.org.uk).

NOTE - USE THE FIRST TABLE 9 (THE ONE WITH 2 ROWS) IF SITE HAS LICE LIMITS

USE THE SECOND TABLE 9 (THE ONE WITH 1 ROW) IF SITE HAS REPORTING CONDITIONS ONLY

**Table 9** **Sea Lice Data Reporting Submission Deadline**

|  |  |
| --- | --- |
| **Reporting Period** | **Submission Deadline** |
| Each calendar year, during week 12 to week 22 as defined in the BSI ISO 8601 calendar | No later than Tuesday of the week immediately following each sea lice count. | |
| Each calendar year, during week 23 to week 44 as defined in the BSI ISO 8601 calendar | No later than 12 days after each sea lice count. | |

**Table 9** **Sea Lice Data Reporting Submission Deadline**

|  |  |
| --- | --- |
| **Reporting Period** | **Submission Deadline** |
| Each calendar year, during week 12 to week 44 as defined in the BSI ISO 8601 calendar | No later than 12 days after each sea lice count. | |

**Table 10** **Sea Lice Data Reporting Requirements**

|  |  |
| --- | --- |
| **Requirement number** | **Information to be Submitted** |
| 1 | The date(s) on which sea lice counts have been undertaken. |
| 2 | The number of Atlantic Salmon OR Rainbow Trout sampled during each sea lice count. |
| 3 | The number of pens from which Atlantic Salmon OR Rainbow Trout were sampled during each sea lice count. |
| 4 | The average number of adult female sea lice per sampled Atlantic Salmon OR Rainbow Trout in each sea lice count. |
| 5 | The total number of Atlantic Salmon OR Rainbow Trout held in all pens on the final day of each sea lice count. |
| 6 | If applicable, the reason(s) for failing to carry out a sea lice count. |

### During each calendar year, in the period from day 1 of week 12 until day 7 of week 44, as defined in the BSI ISO 8601 calendar, records must be kept of the following:

#### the total number of Atlantic Salmon OR Rainbow Trout added to the authorised place each week;

#### the date on which any Atlantic Salmon OR Rainbow Trout were added to the authorised place;

#### the freshwater facility at which the added Atlantic Salmon OR Rainbow Trout were reared;

#### the total number of Atlantic Salmon OR Rainbow Trout removed each week from the authorised place;

#### the total number of Atlantic Salmon OR Rainbow Trout mortalities, at the authorised place, each week; and

#### the number of fish sampled per pen during each sea lice count.

# Interpretation of Terms

For the purposes of this authorisation, and unless the context requires otherwise, the following definitions apply.

|  |  |
| --- | --- |
| **Term** | **Definition** |
| authorisation | the water use licence granted by SEPA under <<Regulation 8 and 15>>of The Water Environment (Controlled Activities) (Scotland) Regulations 2011 with licence number <<Enter authorisation number, e.g. CAR/L/1234567>> |
| authorised activities | the activities which may be carried on under this authorisation, as detailed in Schedule 1 |
| authorised person | the holder of this authorisation, and person responsible for securing compliance with the conditions of it |
| authorised place | the geographic location or locations at which the authorised activities may be carried on. |
| biomass | the total weight of fish, in tonnes, held on site at any one time. |
| controlled activity | an activity to which the regulations apply, in accordance with regulation 3(1) of the Regulations |
| environmental harm | (a) Harm to the health of human beings or other living organisms,  (b) Harm to the quality of the water environment, including:  (i) harm to the quality of the water environment taken as a whole  (ii) other impairment of, or interference with, the quality of aquatic ecosystems or terrestrial ecosystems directly depending on aquatic ecosystems,  (c) offence to the senses of human beings,  (d) damage to property, or  (e) impairment of, or any interference with, amenities or other legitimate uses of the water environment. |
| event | any accident which has caused or could cause environmental harm; orany malfunction, breakdown or failure of plant, infrastructure or techniques which has caused or could cause environmental harm; orforce majeure or action taken to save human life or limb |
| final peak biomass | the period during which the total weight of fish held on site is at peak biomass for the last time before harvesting in each production cycle |
| IQI (Infaunal Quality Index) | a multi-metric index used to describe changes in benthic invertebrate community in response to anthropogenic pressures. |
| maximum environmental quantity | the maximum residual quantity of Emamectin Benzoate in the environment at any one time taking into account excretion and decay of all previous treatments which if complied with will meet the environmental quantity standard at the edge of the mixing zone. |
| mixing zone | the area of seabed immediately under and extending outwards from a fish farm in which the discharge from the fish farm is likely to have an adverse impact on the environment. |
| peak biomass | the maximum weight of fish, in tonnes, held on site during a single production cycle. |
| pen | an enclosed cage, net or other structure in which fish are kept. |
| permit | an authorisation under regulation 8 of the Water Environment (Controlled Activities) (Scotland) Regulations 2011. |
| production cycle | any period of time, during which fish are on-grown in pens at sea:   1. beginning when pens are stocked with fish for the first time or following any fallow period; and 2. ending when those fish are removed for transfer and/or slaughter. |
| SEPA Officer | any person who is authorised by SEPA under [regulation](https://www.legislation.gov.uk/ukpga/1995/25/section/108) 31(4) of the Regulations to exercise the powers specified in Part 1 of Schedule 6 of the Regulations for the purposes specified in Regulation 31(5) of the Regulations. |
| SEPA | Scottish Environment Protection Agency. |
| the water environment | all surface water, groundwater and wetlands |
| vessel | any ship, boat, craft or other vehicle which is used to carry out sea lice medicine treatments |
| weight of fish | the weight of fish including stomach contents and body fluids. This shall not be after any period of starvation. |
| number of adult female sea lice in the pens | The average number of adult female sea lice, including gravid individuals, per fish counted in a sea lice count multiplied by the total number of Atlantic Salmon OR Rainbow Trout present in the authorised place at the end of the count. |
| sea lice | a member of the species *Lepeophtheirus salmonis* (the Salmon Louse). |
| BSI ISO 8601 calendar | The international standard BSI ISO-8601 calendar.    The week number will be calculated from the first week in January that has a Thursday in it and will begin on the Monday closest to 1st January. For example, if 1st January falls on Monday, week 1 will begin from this day. If it falls on a Tuesday, Wednesday or Thursday, it will begin on the preceding Monday. If it falls on a Friday, Saturday or Sunday, it will begin on the following Monday. |

Except where specified otherwise, any reference to an enactment or statutory instrument includes a reference to it as amended (whether before or after the date of the authorisation) and to any other enactment, which may after the date of the authorisation replace or amend it.

NOTE – ROW ‘NUMBER OF ADULT FEMALE SEA LICE’ SHOULD ONLY BE ADDED TO PERMITS WITH SEA LICE **LIMIT** CONDITION AND NOT ADDED TO THOSE THAT REQUIRE REPORTING ONLY.