

**SERA-P-WAT-B1**

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

**Screening environmental risk assessment**

**Pen layout changes at marine pen fish farms**

Version 1.0

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## How to use this screening environmental risk assessment form

Use this form to apply for a change to the pen layout of a marine pen fish farm.

* The layout change will be considered an **administrative variation** if you answer ‘No’ to all questions in Section 3.
* The layout change will be considered a **standard** **variation** (30% of application fee) if you answer ‘No’ to all questions apart from Section 3.3 – Infrastructure change.

In this case, you must provide modelling to demonstrate the increase in intensity is acceptable. Application of this type will not routinely be subject to advertising and consultation.

## Section 1 - Authorisation details

Please provide the marine pen fish farm name and the authorisation reference.

**Table 1: Authorisation details**

| **Question** | **Answer** |
| --- | --- |
| **Marine pen fish farm name** |  |
| **Authorisation reference**  (e.g. EAS/P/1234, CAR/L/1234567) |  |

## Section 2 - Marine pen fish farms layout changes details

### 2.1 Farm configuration

Provide details of the proposed new farm configuration.

| **Farm configuration** |
| --- |
|  |

### 2.2 Pen centre locations

Provide the national grid reference (NGR) for the centre of each pen in the proposed new farm layout.

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)

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** |  |

### 2.3 Pen group details

Complete the table(s) below for each pen group in the proposed new farm layout.

You can include details for up to two pen groups in this section. If there are more than two pen groups, provide the additional information in Annex 1.

**Table 3(a): Pen group 1 details**

| **Question** | **Answer** |
| --- | --- |
| **Number of pens in the group** |  |
| **Circumference of pens in the group** (in metres) |  |
| **Length of pen sides** (if using non-circular pens)(in metres)(optional, for farms with square pens) |  |
| **Depth of pens** (distance from the upper surface of the pens to the lowest part of the pens in group)(in metres) |  |
| **Number of pens in row 1** |  |
| **Number of pens in row 2** |  |
| **Number of pens in row 3** |  |

**Table 3(b): Pen group 2 details**

| **Question** | **Answer** |
| --- | --- |
| **Number of pens in the group** |  |
| **Circumference of pens in the group** (in metres) |  |
| **Length of pen sides** (if using non-circular pens)(in metres)(optional, for farms with square pens) |  |
| **Depth of pens** (distance from the upper surface of the pens to the lowest part of the pens in group)(in metres) |  |
| **Number of pens in row** |  |
| **Number of pens in row 2** |  |
| **Number of pens in row 3** |  |

### 2.4 Diagram of proposed new farm layout

Provide a diagram showing the proposed new farm layout. On the diagram, please mark each pen group number and pen row number as referenced in Section 2.3.

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

### 2.5 Locations of the pen corner buoys

Complete the table(s) below for each pen group in the proposed new farm layout.

For every corner buoy, please provide:

* The 8-figure or 10-figure National Grid Reference (NGR).
* The direction of each corner buoy from the centre of the pen group (e.g. north, southeast, west, northwest).

You can include details for up to two pen groups in this section. If there are more than two pen groups, provide the additional information in Annex 2.

**Table 4(a): Corner buoy locations – Pen group 1**

| **Corner buoy** | **NGR** (e.g. AB 1234 6789) | **Direction from pen group centre**  (e.g. N, SE, W, NW) |
| --- | --- | --- |
| **Corner buoy 1** |  |  |
| **Corner buoy 2** |  |  |
| **Corner buoy 3** |  |  |
| **Corner buoy 4** |  |  |

**Table 4(b): Corner buoy locations – Pen group 2**

| **Corner buoy** | **NGR** (e.g. AB 1234 6789) | **Direction from pen group centre**  (e.g. N, SE, W, NW) |
| --- | --- | --- |
| **Corner buoy 1** |  |  |
| **Corner buoy 2** |  |  |
| **Corner buoy 3** |  |  |
| **Corner buoy 4** |  |  |

## Section 3 - Screening environmental risk assessment

### 3.1 Permitted biomass

Is an increase to the farm’s permitted biomass limit being sought?

Yes

No

### 3.2 Permitted medicine discharge

Is an increase to a permitted medicine discharge limit being sought?

Yes

No

### 3.3 Infrastructure change

Will the proposed infrastructure change result in either:

* A decrease in total pen surface area
* A decrease in minimum distance between pens (measured from the centre point)?

Yes

No

### 3.4 New pen centre

Will the location of the centre of the new pen group layout be more than a distance of 180 metres from the centre of the last modelled layout?

Yes

No

### 3.5 Pen group length and width

Will the length and width of the new pen group layout be more than 180 metres greater than the length and width of the last modelled layout?

Yes

No

### 3.6 Orientation of pen layout

Will the orientation (bearing) of the proposed pen layout be more than 30 degrees in any direction of that of the last modelled layout?

Yes

No

### 3.7 Difference in average water depth

This question is to assess whether a proposed layout change could result in a farm moving to a place where the assimilative capacity of the surrounding coastal waters to accommodate the farm’s discharges is significantly different from the assimilative capacity of the coastal waters immediately surrounding the existing layout. For example, this may be the case if there is a rapid change of seabed depth in the vicinity of the farm.

Is the difference in the average depth of water around the proposed new layout compared with the average depth of water around the last modelled layout greater than 10 metres?

Yes

No

Note: For this assessment, “the average depth of water” means the average depth calculated across a box drawn around the farm layout at a distance of 180 metres seaward from the outer edges of the pens on each side of the layout.

### 3.8 Sensitive and protected seabed features

If there is a sensitive, protected seabed feature within 500 metres of the last modelled layout, please answer the question below.

For guidance, please refer to [Appendix 1: Identifying sensitive, protected seabed features](http://www.sepa.org.uk/easr) on the activity page “Pen layout changes at marine finfish farms” on our website for guidance.

Will any pen in the proposed new pen layout be closer than any pen in the last modelled layout to that sensitive seabed feature?

Yes

No

### 3.9 Allowable mixing zone

Will the proposal result in any part of the allowable mixing zone (AMZ) either:

* Increasing an existing overlap with another AMZ; or
* Coming within 100m and/or overlapping for the first time with any part of another AMZ?

Yes

No

## Annex 1: Additional pen groups

**Table A1(a): Pen group 3 details**

| **Question** | **Answer** |
| --- | --- |
| **Number of pens in the group** |  |
| **Circumference of pens in the group** (in metres) |  |
| **Length of pen sides** (if using non-circular pens)(in metres)(optional, for farms with square pens) |  |
| **Depth of pens** (distance from the upper surface of the pens to the lowest part of the pens in group)  (in metres) |  |
| **Number of pens in row 1** |  |
| **Number of pens in row 2** |  |
| **Number of pens in row 3** |  |

**Table A1(b): Pen group 4 details**

| **Question** | **Answer** |
| --- | --- |
| **Number of pens in the group** |  |
| **Circumference of pens in the group** (in metres) |  |
| **Length of pen sides** (if using non-circular pens)(in metres)(optional, for farms with square pens) |  |
| **Depth of pens** (distance from the upper surface of the pens to the lowest part of the pens in group)  (in metres) |  |
| **Number of pens in row 1** |  |
| **Number of pens in row 2** |  |
| **Number of pens in row 3** |  |

Add more entries, if needed

## Annex 2: Additional corner buoy locations

**Table A2(a): Corner buoy locations – Pen group 3**

| **Corner buoy** | **NGR** (e.g. AB 1234 6789) | **Direction from pen group centre**  (e.g. N, SE, W, NW) |
| --- | --- | --- |
| **Corner buoy 1** |  |  |
| **Corner buoy 2** |  |  |
| **Corner buoy 3** |  |  |
| **Corner buoy 4** |  |  |

**Table A2(b): Corner buoy locations – Pen group 4**

| **Corner buoy** | **NGR** (e.g. AB 1234 6789) | **Direction from pen group centre**  (e.g. N, SE, W, NW) |
| --- | --- | --- |
| **Corner buoy 1** |  |  |
| **Corner buoy 2** |  |  |
| **Corner buoy 3** |  |  |
| **Corner buoy 4** |  |  |

Add more entries, if needed.