

FRESHWATER TANK FISH FARM TEMPLATE

NOTES WHEN WORKING WITH ELECTRONIC PRODUCTION OF THIS CONSENT:

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INTERPRETATION OF TERMS

In this consent, unless the context otherwise requires:

“**the Act**” means the Control of Pollution Act 1974;

“**discharger**” means a person causing or knowingly permitting a discharge to controlled waters under this consent;

“**effluent**”, “**trade effluent**” and “**controlled waters**” have the same meaning as in the Act;

“**parameter**” means any defined chemical constituent or measurable physico-chemical characteristic of a sample;

“**SEPA**” means the Scottish Environment Protection Agency and any person authorised by it to act on its behalf;

“**day**” means any period of 24 consecutive hours;

“**month**” means a calendar month; and

“**year**” means any period of 12 consecutive months.

Except where otherwise specified in this consent, any reference to an enactment or statutory instrument includes a reference to it as amended (whether before or after the date of this consent) and to any other enactment which may, after the date of this consent, directly or indirectly replace it, with or without amendment.

1 GENERAL CONDITIONS

1.1 Date When The Consent Comes Into Force

1.1.1 The conditions to which this consent is subject shall take effect from <<date>>, or from the date of commissioning of the fish farm, whichever is the earlier. <<SEPA shall be given at least ??? days written notice before the discharge commences>>.

1.2 Restriction On Departure From <<Application And Supporting>> [Delete if inapplicable] Information Submitted

1.2.1 There shall be no departure from the provisions of the <<application for this consent dated ??? or from any information or plans accompanying or supplementing the application>> OR <<information and plans submitted to SEPA on ???>> except insofar as this consent makes conflicting provision, in which case the consent provision shall apply.

1.3 Descriptive Conditions

1.3.1 The discharge shall not contain any matter, other than matter specifically authorised or limited by a condition in this consent, which causes pollution of controlled waters or causes the receiving waters to be poisonous or injurious to the flora and fauna of those waters or otherwise causes damage to the ecology or amenity of those waters.

1.3.2 The discharge shall not cause a significant visible impact on surface waters due to the presence of oil, grease or scum.

1.3.3 The discharge shall not cause the significant deposition of visible <<fish food and/or fish faeces>> on the banks or bed of the receiving waters or the significant growth of sewage fungus in the receiving waters.

1.4 Screening/Settlement

1.4.1 Effective screens shall be fitted to prevent gross solid matter from being discharged.

AND IF NECESSARY

1.4.2 The discharge of trade effluent shall be subject to a process designed and operated to be at least equivalent to a filter of mesh/pore size <<???)> millimetres/micrometres in its removal of solid matter.

1.4.3 Backwash water from the filters shall pass to <<???)> backwash settlement tanks/lagoons used solely for the containment of backwash solids.

1.4.4 The supernatant liquor from the backwash settlement tanks/lagoons shall be returned to the reception channel at a point before the filter.

1.4.5 The discharger shall provide a method statement acceptable to SEPA setting out the proposed means of preventing sludge solids being discharged. This method statement shall define the frequency of desludging of the backwash settlement tanks/lagoons and the means of sludge disposal.

AND / OR

1.4.6 The discharge shall pass through settlement lagoons each with a minimum surface area of <<???)> m². These lagoons shall not be stocked with fish.

1.4.7 The discharger shall provide a method statement acceptable to SEPA setting out the proposed means of preventing sludge solids from being discharged. This method statement shall define the frequency of desludging of the settlement lagoons and the means of sludge disposal.

1.5 Sampling Point At Inlet To The Fish Farm

1.5.1 A sampling point at the inlet to the fish farm at National Grid Reference <<insert grid reference>> shall be constructed, maintained and appropriately identified as a sampling point so that a representative sample of the influent may be safely obtained.

2 TREATED TRADE EFFLUENT DISCHARGE

2.1 Nature Of Discharge

2.1.1 The discharge shall consist solely of treated trade effluent arising from the operation of the fish farm.

2.2 Discharge Point Location

2.2.1 The outlet shall be a <<????>> mm internal diameter <<type>> pipe discharging to <<name of receiving waters>> at National Grid Reference <<enter grid reference as per front page>> as shown on drawing number <<????>> <<submitted with the application for this consent dated ???>> OR <<submitted to SEPA on ???>>.

2.2.2 The outlet shall be constructed and maintained so as to maximise the dispersion of the effluent.

2.3 Sampling Points

2.3.1 A sampling point as specified on the drawings <<accompanying the application for this consent dated ???>> OR <<submitted to SEPA on ???>> at National Grid Reference <<insert grid reference>> shall be constructed, maintained and appropriately identified as a sample point so that a representative sample of the treated trade effluent may be safely obtained. All constituents of the discharge shall pass through the said sampling point at all times.

2.4 Flow Measurement

2.4.1 Flow measurement structures shall be installed by <<date>> and maintained to enable the instantaneous flow rate of the treated trade effluent to be determined.

AND IF NECESSARY

2.4.2 A continuous flow recorder with on-site visual display from which readings can be readily obtained shall be installed by <<date>> and maintained to enable the daily volume and instantaneous flow of the treated effluent to be recorded.

2.4.3 The recorder shall be calibrated and maintained to ensure that it is reading the flow in accordance with the British Standard that is applicable at the time that it is operating.

2.5 Limits On Discharge Flow

2.5.1 The volume of effluent discharged in any 24 hour period shall not exceed <<amount>> cubic metres.

2.5.2 The flow rate of effluent discharged shall not exceed <<amount>> litres per second at any time.

2.6 Discharge Quality Standards

2.6.1 Subject to condition 2.6.2 below, any instantaneous sample of treated trade effluent taken from the sampling point specified in condition 2.3 shall not contain more than:

<<??>> milligrams per litre of biochemical oxygen demand (determined in the presence of excess allyl-thiourea after 5 days at 20°C); or

<<??>> milligrams per litre of ammoniacal nitrogen (expressed as N); or

<<??>> milligrams per litre of suspended solids; or

<<??>> milligrams per litre of chloride; or

<<??>> milligrams per litre of soluble reactive phosphorus (expressed as P).

2.6.2 Subject to condition 2.6.3 below, the limit for a parameter set out in condition 2.6.1 may be exceeded where, in any series of treated trade effluent samples taken at regular but randomised intervals over a year (as listed in Column 1 of the table at Annex 1 to this consent), no more than the corresponding number of samples set out in Column 2 of the said table exceed the applicable limit for that parameter.

2.6.3 Notwithstanding condition 2.6.1 above, any instantaneous sample of treated trade effluent taken from the sampling point specified in condition 2.3 shall not contain more than:

<<??>> milligrams per litre of biochemical oxygen demand (determined in the presence of excess allyl-thiourea after 5 days at 20°C); or

<<??>> milligrams per litre of ammoniacal nitrogen (expressed as N); or

<<??>> milligrams per litre of suspended solids; or

<<??>> milligrams per litre of chloride; or

<<??>> milligrams per litre of soluble reactive phosphorus (expressed as P); or

<<??>> micrograms per litre of Bronopol; or

<<??>> micrograms per litre of Chloramine T; or

<<??>> micrograms per litre of Formaldehyde.

2.6.4 The pH of any instantaneous sample of treated trade effluent taken from the sampling point specified in condition 2.3 shall be not less than 5.0 or greater than 9.0.

OR

2.7 Incremental Discharge Quality Standards

2.7.1 Subject to condition 2.7.2 below, the parameters of any instantaneous sample of treated trade effluent taken from the sampling point specified in condition 2.3 shall not be increased from those of a contemporaneous instantaneous sample of the influent taken from the sampling point specified in condition 1.5 by an amount greater than:

<<??>> milligrams per litre of biochemical oxygen demand (determined in the presence of excess allyl-thiourea after 5 days at 20°C); or

<<??>> milligrams per litre of ammoniacal nitrogen (expressed as N); or

<<??>> milligrams per litre of suspended solids; or

<<??>> milligrams per litre of chloride; or

<<??>> milligrams per litre of soluble reactive phosphorus (expressed as P).

2.7.2 Subject to condition 2.7.3 below, the limit for the increase in a parameter set out in condition 2.7 may be exceeded where, in any series of treated trade effluent samples taken at regular but randomised intervals over a year (as listed in Column 1 of the table at Annex 1 to this consent), no more than the corresponding number of samples set out in Column 2 of the said table exceed the applicable limit for that parameter.

2.7.3 Notwithstanding condition 2.7 above, the parameters of any instantaneous sample of treated trade effluent taken from the sampling point specified in condition 2.3 shall not be increased from those of a contemporaneous instantaneous sample of the influent taken from the sampling point specified in condition 1.5 by an amount greater than:

<<??>> milligrams per litre of biochemical oxygen demand (determined in the presence of excess allyl-thiourea after 5 days at 20°C); or

<<??>> milligrams per litre of ammoniacal nitrogen (expressed as N); or

<<??>> milligrams per litre of suspended solids; or

<<??>> milligrams per litre of chloride; or

<<??>> milligrams per litre of soluble reactive phosphorus (expressed as P).

2.7.4 Any instantaneous sample of treated trade effluent taken from the sampling point specified in condition 2.3 shall not contain more than:

<<??>> micrograms per litre of Bronopol; or

<<??>> micrograms per litre of Chloramine T; or

<<??>> micrograms per litre of Formaldehyde.

2.7.5 The pH of any instantaneous sample of treated trade effluent taken from the sampling point specified in condition 2.3 shall be not less than 5.0 or greater than 9.0.

2.8 Administration And Discharge Of Medicines/Chemicals

2.8.1 The medicines/chemicals specified in Annex 2 to this consent shall be administered and discharged in accordance with the conditions specified in that Annex. For the avoidance of doubt, the conditions specified in Annex 2 are additional to and without prejudice to the other conditions of this consent.

3 RECORDS AND PROVISION OF INFORMATION

3.1 Records Required

3.1.1 The discharger shall, at a location to be approved by SEPA, make available for inspection at all reasonable hours by any person authorised by SEPA true and accurate records of the following information:

- (i) the date when, and the period over which, the fish were treated with any chemical or antibiotic agent and the quantity of that agent which was used for each treatment;
- (ii) the estimated weight of fish held at monthly intervals in tonnes;
- (iii) readings obtained from the <<flow recorder/readings from gauge board or flow measurement structure>> specified in this consent. **For flow recorders:** <<The daily/weekly flow shall be recorded in an electronic format specified by SEPA.>> **For anything else:** <<The instantaneous flow shall be read at least once daily/weekly and the reading shall be recorded in an electronic format specified by SEPA;>> and
- (iv) the calibration results for all flow recorders specified in this consent. **[Delete if flow recorder/s not required]**

3.2 Maintenance And Reporting Of Records

3.2.1 All records required by this consent shall be:

- (i) true and accurate;
- (ii) comprehensive and legible;
- (iii) recorded as soon as reasonably practicable after each relevant operation;
- (iv) when amendments are necessary, amended in such a way as to leave the original entry clear and legible (applies to paper records only); and
- (v) preserved for 5 years, or for such other period as SEPA may specify, from the date that they are made.

3.3 Availability Of Records

3.3.1 A copy of all or any part (as specified separately by SEPA) of the records required under condition 3.1 above shall be provided to SEPA at <<three/twelve>> monthly intervals or on request.

4 APPENDIX 1 - TABLE OF PERMITTED EXCEEDANCES

Series of samples taken in any period of 12 consecutive months	Maximum permitted number of samples which fail to conform
1 – 7	1
8 – 16	2
17 – 28	3
29 – 40	4
41 – 53	5
54 – 67	6
68 – 81	7
82 – 95	8
96 – 110	9
111 – 125	10
126 – 140	11
141 – 155	12
156 – 171	13
172 – 187	14
188 – 203	15
204 – 219	16
220 – 235	17
236 – 251	18
252 – 268	19
269 – 284	20
285 – 300	21
301 – 317	22
318 – 334	23
335 – 350	24
351 – 365	25

5 APPENDIX 2 - LIMITATIONS ON THE USE AND DISCHARGE OF MEDICINE/CHEMICALS AT THE FISH FARM

The discharge may contain the following types of chemical agents, subject to the other conditions of this consent and the conditions following:

Chemical Type	Abbreviation
Antiparasitic	AP
Antimicrobial	AM
Anaesthetics	AN
Disinfectants	DN
Antifoulants	AF

TABLE 1

Medicine/ Chemical Type	Trade Name	Active Ingredient	Refer to Condition of this Annex

CONDITIONS REFERRED TO IN TABLE 1

Condition A2.1

This chemical may be discharged from the fish farm at any time provided it is used in accordance with the then current version of the manufacturer's guidance, or as prescribed by a qualified veterinary surgeon, and its use is recorded and reported in accordance with Schedule 3 of this consent.

Condition A2.2

This chemical shall not be discharged from the fish farm unless the discharger has given SEPA not less than 2 working days notice of its intended use. The chemical shall be used in accordance with the then current version of the manufacturer's guidance, or as prescribed by a qualified veterinary surgeon. Details of its use shall be recorded and reported in accordance with Schedule 3 of this consent.

Condition A2.3

This chemical shall not be discharged from the fish farm unless the discharger has given SEPA not less than 2 working days notice of its intended use and received approval in writing from SEPA of each specific use or course of treatment. The chemical shall be used in accordance with the then current version of the manufacturer's guidance, or as prescribed by a qualified veterinary surgeon. Details of its use shall be recorded and reported in accordance with Schedule 3 of this consent.

Condition A2.4

The total quantity of Bronopol discharged in any period of 24 consecutive hours shall not exceed <<amount>> grams.

Condition A2.5

The total quantity of formaldehyde discharged in any period of 24 consecutive hours shall not exceed <<amount>> grams.

Condition A2.6

The total quantity of Chloramine T discharged in any period of 24 consecutive hours shall not exceed <<amount>> grams.

[Delete any condition not referred to in Table 1]