

CORK COUNTY COUNCIL
LOCAL GOVERNMENT (WATER POLLUTION) ACT 1977

Licence to discharge Trade or Sewage Effluent to Waters

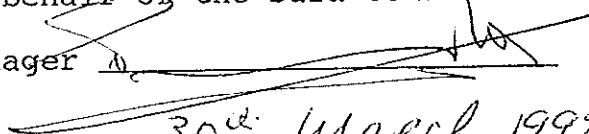
Reference No. TO/ University College Cork,
in Register Zoology Department,
W.P.(W) 7/91 College Road,
CORK.

The Council of the County of Cork, in exercise of the powers conferred on it by the Local Government (Water Pollution) Act, 1977, hereby GRANTS a Licence Reference Number W.P.(W) 7/91

To discharge waste water arising from fish farming activities
From U.C.C. Aquaculture Research Centre
Located at Gerahies, Bantry
To the sea
At Gerahies, Bantry

subject to the Conditions set out in the schedule attached hereto. It should be noted that a person shall not be entitled solely by reason of a licence to make, cause or permit the discharge of Trade or Sewage Effluent to Waters.

ENVIRONMENT SECTION,
COUNTY HALL,
CORK.

Signed on behalf of the said Council.
County Manager 
Date 30th March, 1992
Order No. W.P 13/92

NOTE:

An appeal against a decision made by a Local Authority under Section 4 and Section 7 of the Act of 1977 may be made to An Bord Pleanala under Section 8 of the Act. Any person may appeal to An Bord Pleanala within ONE MONTH beginning on the date of the Local Authority's decision.

Appeals should be addressed to THE SECRETARY, AN BORD PLEANALA, Floor 3, Irish Life Centre, Lower Abbey Street, Dublin 1, and will be invalid unless accompanied by a fee of £36.00.

Submissions or observations made to the Board by or on behalf of a person (other than the applicant) in relation to an appeal made by another person must be accompanied by a fee of £10.00.

A Party to an appeal shall give to An Bord Pleanala any document, information or evidence in his possession or procurement which An Bord Pleanala consider necessary for the purpose of determining the appeal.

Schedule

Effluent Discharges shall take place only as specified in the application W.P. (W) 7/91 as modified and/or controlled by this licence and subject to the requirements of law . Any changes in the nature or quantity of any emission shall require the Licensee to notify the Licensing Authority and in the case of any material change for the Licensee to request a review or obtain a new licence as may be determined by the Licensing Authority prior to any such change being made . The Licensing Authority shall interpret whether any change is material or not .

This licence supercedes all previous licences and correspondence issued in respect of this plant under the terms of the Water Pollution Act (1977) .

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1. CONTAMINATED WASTE WATERS.

1.1 All contaminated waste water shall be discharged to the foreshore through a single pipeline at a point where the seabed lies at least three metres below low water level . The Licensee shall submit details of a diffuser which shall be attached to the pipe discharge for the approval of the Licensing Authority within two months of issue of this licence . The diffuser shall be installed in 1992 .

1.2 Contaminated waste water shall comprise those arising from the farming of fish only .

1.3 There shall be no use of organotin or organochlorine compounds in operations on the premises which would give rise to any of these materials being present in the effluent .

1.4 The discharge pipeline shall be fitted with a flow meter of the continuous recording and integrating type . In addition the outflow pipe shall be fitted with a composite sampler of a flow proportionate type .

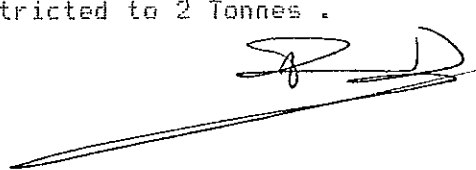
The sampler shall be operated so as to take samples at a frequency to be agreed with the Licensing Authority making up to a composite sample once every 24 hours . In this regard , a composite sample for testing purposes shall be defined as any sample extracted from the sampling apparatus between the hours of 8.00 am and 12.00 noon .

This composite sample shall be collected at 12:00 noon each day or as otherwise agreed with the Licensing Authority .

The sampler shall be installed in the effluent discharge pipe at a location agreed with the Licensing Authority .

This sampling and monitoring system shall be fully operational and in use at all times during which effluent is being discharged .

1.5 The total volume of effluent shall not exceed 600 cubic metres/day nor 25 cubic metres/hour. The maximum fish crop shall be restricted to 2 Tonnes .

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1.6 Composite samples obtained in accordance with condition 1.4 above shall be tested by the Licensee for the parameters indicated in the following table and no such sample shall exceed the following condition limits :-

pH 6.0 - 9.0

B.O.D. not more than 2mg/l more than B.O.D. at intake

Suspended Solids not more than 10mg/l more than Suspended Solids at intake

Ammonia (as N) not more than 0.3mg/l more than Ammonia at intake

Composite samples shall be tested by the Licensee for any other parameters which may be required by the Licensing Authority .

No grab sample shall exceed the limits indicated for the parameters listed hereunder :-

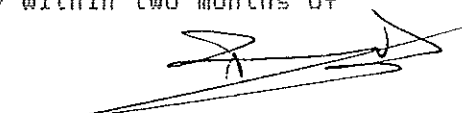
pH	6 - 9
B.O.D.	10 mg/l
S.S.	40 mg/l
Ammonia (as N)	1 mg/l

The frequency of testing shall be once per week for all of the parameters listed above . Samples taken a half-hour and one hour after time of feeding shall be analysed at least once per year . Samples taken a half-hour and one hour after time of chemical dosing shall be analysed at least once per year . Time elapsed since feeding or chemical dosing shall be stated for each test .

In the event that satisfactory correlation can be established between C.O.D (or T.O.C.) and B.O.D. levels , then with the agreement of the Licensing Authority the C.O.D. (or T.O.C.) test results may be used to estimate the B.O.D. loading , subject to the following :-

- (i) Quarterly B.O.D. (5 day) tests being carried out .
- (ii) Yearly reevaluation of the C.O.D. (or T.O.C.) / B.O.D. ratio .

Any future licence issued in respect of this plant or an expanded plant shall be supported with a methodology statement showing effluent minimisation . The Applicant shall monitor the sea in three locations in the vicinity of the outfall monthly . The results of this monitoring shall be submitted to the Licensing Authority . The information thus collected will be used in the assessment of any future licence application . The extent of this monitoring shall be agreed with the Licensing Authority within two months of the granting of this licence .



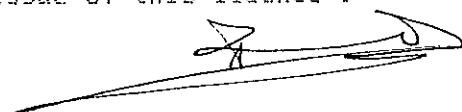
1.7 The Licensee shall take all steps necessary to minimise the discharge of biocides , pesticides , anti-bacterial agents and antibiotics with the effluent . Any antibiotics dosed to the tanks shall be prescribed by a Veterinary Surgeon and applied in accordance with his instructions . The Licensee shall maintain a record of all chemicals applied to the tanks in respect of date ; type and quantity and shall agree a programme of increased monitoring with the Licensing Authority in respect of frequency and the residual concentrations of these chemicals in the effluent for these occasions .

1.8 In compliance with the terms of the above paragraphs , the Licensee shall have a study carried out into the best practicable means of dealing with fish disease or ill-health . The cost of this study shall be borne by the Licensee and it shall be submitted to the Licensing Authority within one year of the issue of this licence .

1.9 Fats , oils and greases shall not be present in quantities such as to :-
(a) form visible films on the surface of the water .
(b) form coatings on the bed , benthic biota or food sources .
(c) cause deleterious effects to aquatic life .
(d) impart a detectable taste or odour to edible aquatic species .

1.10 The Licensee shall provide a sampling point on the treated effluent discharge line for the use of any statutory body having statutory responsibility for water pollution control . The Licensee shall also ensure that direct access to the sampling point is available at all times .

1.11 The Licensee shall arrange to have studies undertaken to show that the existing outfall location provides for adequate dilution and dispersion of the effluent . These studies shall be carried out by a competent independent body approved by the Licensing Authority . The results and conclusions of these studies shall be submitted to the Licensing Authority within six months of issue of this licence .

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2 SOLID WASTES

2.1 All solid waste including general refuse shall be disposed of to landfill or by other means as may be agreed with the Licensing Authority . Dead fish shall be disposed of to landfill in a location and manner to be agreed with the Licensing Authority .

2.2 While awaiting disposal , all wastes and by-products shall be collected and stored in designated areas protected against spillage and leachate run-off . Waste management shall be carried out in such a manner as not to cause an odour nuisance .

2.3 The Licensee shall keep records of all wastes disposed of off-site (including dead fish) and shall retain such records for at least two years . Copies of these records shall be submitted to the Licensing Authority annually with the report required in clause 3.3 .

3 MONITORING

3.1 The Licensee shall grant immediate and unhindered access to the site to any authorised personnel representing any statutory body having statutory responsibility for water pollution control , at all times to carry out such inspections , monitoring and investigations as the body deems necessary .

3.2 The Licensee shall keep records of all monitoring carried out . These records shall be available for inspection by authorised personnel representing any statutory body responsible for controlling water pollution at all reasonable times . The Licensee shall submit monthly reports to the Licensing Authority outlining the results of tests carried out in compliance with this licence together with any other records relating to pollution control which may be required by the Licensing Authority . The format of these results shall include minimum , maximum and average values for each of the parameters tested . Any non-compliance with the terms of the licence shall be highlighted and the reason why this occurred shall be stated . The measures taken to ensure non-recurrence shall also be outlined . The percentage compliance with licence values for each parameter shall also be indicated .

These records shall also include details of the following :-

- (a) Use and method of disposal of chemicals ,
- (b) Disposal of sludge ,
- (c) Quantities of fish ,
- (d) Flow records ,
- (e) Sampling and analysis records ,
- (f) Type and quantity of fish food used .

