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Maureen Cherry
Executive Scientist,
Cork County Council
Inniscarra,
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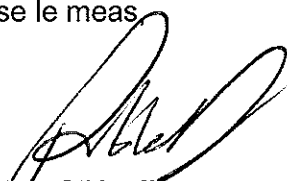
11/11/2011

Re: Local Government (Water Pollution) Acts, 1977 1990 Application Register
No: WP(W)03/2011®

A Chara,

I enclose copy of Licence granted to Douglas Valley Hatchery Ltd
on the 11/11/2011 for your attention.

Mise le meas


Finbar O'Keeffe
Environment Department
Room GF22
Cork County Council
INNISCARRA
Co Cork



CORK COUNTY COUNCIL
Environment Directorate,
Inniscarra,
Co. Cork

W.P. (W) 03/11(R)

Licence to Discharge a Sewage Effluent to Waters.
Issued under Section 4 of the Local Government (Water Pollution) Acts
1977 & 1990, as amended by the Water Services Act 2007

**Douglas Valley Hatchery Ltd.,
Kilclough,
Kilworth,
Co. Cork.**

Schedule

Wastewater discharges shall take place only as specified in the licence application WP (W) 03/11(R) 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 supersedes all previous licences and correspondence issued in respect of the facility under the terms of the Local Government Water Pollution Act 1977 to 2007.

In the event of the licence being transferred to another party or company, the applicant shall notify the Licensing Authority of this fact and shall also provide the details of the new licence holder prior to the transfer of the licence.

1 WASTEWATER MANAGEMENT

- 1.1 The Licensee shall employ the best available techniques in the avoidance, minimisation, treatment and disposal of wastewaters produced on site.
- 1.2 Standard operating procedures shall be prepared in respect of wastewater control and treatment systems to assist personnel with responsibilities for the operations of such systems and plant. These procedures shall be retained on site for inspection and submitted to the Licensing Authority on request.
- 1.3 Employees with responsibilities in wastewater control and treatment shall receive training adequate to enable them to execute their tasks in relation to pollution control. These records shall be retained on site for auditing by the Licensing Authority.
- 1.4 Licensed contractors shall be used for the removal of all waste materials to licensed facilities for disposal/recovery.

Reason: For the management of wastewaters on the site

2 CONTAMINATED WASTE WATERS

- 2.1 All contaminated wastewater arising from the operation of the fish farm at Douglas Valley Hatchery Ltd., Kilclough, Kilworth, Co. Cork shall be discharged to the Douglas River as indicated on drawings and maps which accompanied this licence application.
- 2.2 Contaminated wastewater arising from the above named development only, shall include the following:
- Contaminated wastewater arising from the farming of fish
 - Any activity approved by the Licensing Authority
- 2.3 The wastewater flow shall not exceed 7,200 m³/day or 300 m³/hr. The discharge pipeline shall be fitted with a suitable flow monitoring system approved by the Licensing Authority.
- 2.4 Samples obtained in accordance with condition 2.3 above shall be tested by the Licensee for the parameters indicated in the following table and no such sample taken at the point of sampling in the discharge line shall exceed the following condition limits:

pH	7.0 -- 8.0 pH units
Biochemical Oxygen Demand	Not more than 1 mg l ⁻¹ more than B.O.D. at intake
Total Suspended Solids	Not more than 1 mg l ⁻¹ more than Total Suspended Solids at intake
Ammonia as N	Not more than 0.1 mg l ⁻¹ more than ammonia at intake
Orthophosphate as P	Not more than 0.01 mg l ⁻¹ more than orthophosphate as P at intake
Formalin	0.5 mg l ⁻¹

The frequency of testing for the above parameters shall be as follows:

Four times a year or every three months while production is taking place, for pH, Biochemical Oxygen Demand, Total Suspended Solids, Ammonia as N and Orthophosphate as P. Formalin shall be analysed after dosing.

The Licensing Authority reserves the right to alter the frequency of testing.

- 2.5 All test methods used by the Licensee for the monitoring of the nature of the discharge shall be agreed with the Licensing Authority. All laboratory equipment used for wastewaters monitoring shall be calibrated in accordance with the manufacturers' recommendations and records of such calibrations shall be held by the Licensee for inspection by the Licensing Authority on request.
- 2.6 In the event of malfunction or breakdown of the pollution abatement equipment or any other incident on site which may give rise to water pollution, the Licensee shall immediately report the incident to the Licensing Authority by telephone or telefax and shall confirm the communication in writing within twenty four hours.
- 2.7 The Licensee shall carry out and document a visual inspection of the treatment facilities and discharge point weekly, and any abnormalities shall be noted. If it appears that abnormalities may be occurring then the Licensee shall immediately notify the Licensing Authority and initiate an investigation into the possible cause of the abnormalities.
- 2.8 The Licensee shall take all steps necessary to minimize the discharge of biocides, pesticides, anti-bacterial agents and antibiotics in 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 time, date, type and quantity, principal active ingredients and shall agree a programme of increased monitoring with the Licensing Authority in respect of frequency and the residual concentrations of these chemicals on the effluent for these occasions.

- 2.9 The Licensing Authority shall be notified immediately of any disease outbreak and reports shall be submitted as soon as possible after the outbreak.
- 2.10 The Licensee shall provide a sampling point on the effluent discharge line for the use of any 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.

Reason: To control the emissions prior to discharge

3 SURFACE WATER/GROUNDWATER

- 3.1 The Licensee shall, on request of the Licensing Authority, implement a programme of groundwater monitoring agreed in advance with the Licensing Authority. This monitoring shall include the monitoring of a minimum of three wells, one of which shall be located above and one below the site's hydraulic gradient. The location of the wells is to be agreed with the Licensing Authority.

The programme shall include the monitoring of each well for the following parameters: Conductivity, pH, Total Organic Carbon, Heavy Metals, Hydrocarbons and Mineral Oils and such other parameters as may be indicated by the Licensing Authority on a frequency decided by the Licensing Authority. The Licensing Authority reserves the right to alter the frequency of testing.

Reason: To protect surface and groundwaters from polluting matter

4 STORAGE FACILITIES

- 4.1 All storage tank areas and drum storage areas shall be rendered impervious to the materials stored therein. In addition, storage tank areas shall be bunded, either locally or remotely, to a volume of 110% of the largest tank within each individual bunded area. Drum storage areas shall be bunded to a volume equal to 110% of the sum of the volumes of the largest ten drums likely to be stored therein. The height of the bund for any drum storage area shall be not less than 300 millimeters.
- 4.2 The integrity and water tightness of all the bunded structures, storage tank and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated by the Licensee to the satisfaction of the Licensing Authority. The results of these tests shall be certified by a Chartered Engineer.

Reason: To protect surface and groundwaters from polluting matter

5 SOLID WASTES

- 5.1 All wastes shall be recycled, recovered or reused in as far as is practical. All waste management options utilized shall be agreed in advance with the Licensing Authority. The volume of all wastes generated on site shall be recorded by the Licensee. All such wastes shall be detailed as to source, route and type of recycling or disposal and classification under the European Waste Catalogue. This information shall be included in the annual summary report which must be returned to the Licensing Authority under the terms of this licence.

- 5.2 All sludges shall be mechanically dewatered to not less than 15% solids and stabilised prior to disposal off-site (or as otherwise determined by the Licensing Authority).

Reason: To provide for the safe disposal of solid waste which through leakage give rise to surface or groundwater pollution

6 MONITORING

- 6.1 The Licensee shall grant immediate and unhindered access to the site and any portion of the pollution abatement equipment to any authorized personnel representing any Body having statutory responsibility for water pollution control, at all times, to carry out such inspections monitoring and investigations as the Body deems necessary.

The Licensing Authority reserve the right to carry out monitoring works on the Licensee's site in relation to the nature or quantity of discharges from the Licensee's premises. The Licensing Authority may install such equipment as may be necessary to collect this information at the Licensee's premises. The cost of this work will be borne by the Licensee.

- 6.2 The Licensee shall keep records of all monitoring carried out and shall retain such records for a minimum period of five years. These records shall be available for inspection by authorized personnel representing any statutory body involved in water pollution at all reasonable times. The Licensee shall submit to the Licensing Authority at quarterly intervals the result of all monitoring relating to the previous quarter, 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.
- 6.3 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 of the non-compliance 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 (i.e. Fish crop on site, dead fish).
 - (d) Flow records (effluent and receiving water).
 - (e) Sampling and analysis records.
 - (f) Type and quantity of fish food used.
- 6.4 Before January 31st of each calendar year, the Licensee shall submit a summary report of all monitoring carried out in the previous year. This report shall evaluate the operation of the facilities available on site to treat the wastewaters produced in the light of the results achieved in the previous year. All submitted reports shall be signed by the Licensee's plant manager or approved agent designated by the Licensee.

The Licensee shall include in the annual report a list of all chemicals (biocides, antibiotics, prophylactic, therapeutic and disinfecting/sanitizing agents etc.) and their respective volumes used on site during the previous year. Material safety data sheets shall be submitted for all chemicals used on site. No chemical shall be used which bioaccumulates or poses a risk to other aquatic species of commercial or ecological value.

Reason: To provide for adequate monitoring

7 RESPONSIBLE PERSON

- 7.1 The Licensee shall ensure that a person or persons is/are available at all times to give relevant information on emissions to the Licensing Authority. The Licensee shall identify to the Licensing Authority each such person and confirm in writing the contact details of such persons.

Reason: To provide for information

8 CONTRIBUTIONS

- 8.1 The Licensee shall pay to the Licensing Authority such annual contributions towards the cost of monitoring the discharge as the Licensing Authority considers necessary for the performance of its duties under this Act as follows:-

- a) Not later than September 30th 2011 the Licensee shall pay to the Licensing Authority a contribution of not less than €650.
- b) In subsequent years the Licensee shall pay to the Licensing Authority an annual amount of not less than €650 updated in accordance with the Consumer Price Index from the date of the grant of this licence to the value pertaining at the time of payment of each annual contribution.
- (c) Notwithstanding the foregoing, the rate of contribution each year shall take account of the actual costs of monitoring as incurred by the Licensing Authority in the previous year and as estimated for the next year.

Reason: To provide for the sampling and implementation of licence