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CORK COUNTY COUNCIL

LOCAL GOVERNMENT (WATER POLLUTION) ACTS 1977 AND
1990

Licence to discharge Trade Effluent or Sewage Effluent to Waters
Reference TO / Dept of Agriculture Food & the Marine
No. In Dinish Island Wastewater Treatment Plant
WP(W)07/13@ Castletownbere
ZONE 1

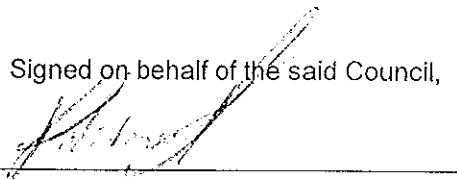
The Council of the County of Cork, in exercise of the powers conferred on it by the Local Government (Water Pollution) Acts, 1977 and 1990, as amended, hereby GRANTS
a Licence, Reference Number WP(W)07/13@

To Dept of Agriculture Food & the Marine
Dinish Island Wastewater Treatment Plant
Castletownbere
ZONE 1
To Discharge Discharge of effluent from WasteWater
Treatment plant
To (River) Bantry Bay
Located at Berehaven, Bantry Bay

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 a discharge to a sewer.

ENVIRONMENT
DEPARTMENT,
ROOM GF22,
CORK COUNTY COUNCIL,
INNISCARRA,
CO CORK.

Signed on behalf of the said Council,



STAFF OFFICER

Dated this 02 day of August 2013

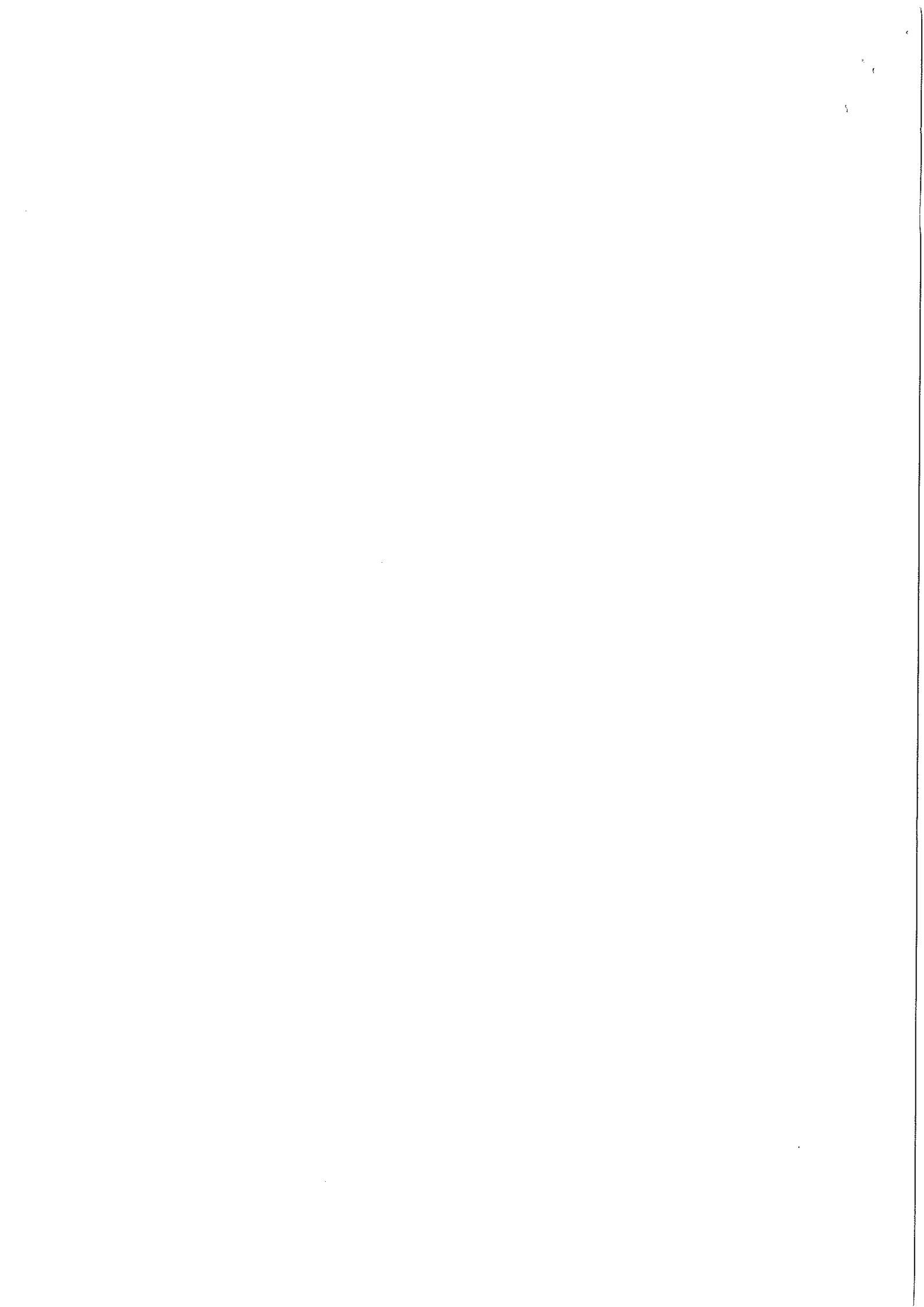
NOTE:

An appeal against a decision made by a Sanitary Authority under Section 16 and Section 17 of the Act of 1977, may be made to An Bord Pleanala under Section 20 of the Act, as inserted by Section 15 of the Local Government (Water Pollution) (Amendment) Act, 1990 within one month of the date of the Licence.

Appeals should be addressed to THE SECRETARY, AN BORD PLEANALA,
64 Marlborough Street, Dublin 1, and will be invalid unless accompanied by an additional fee of €126.00.

A request for an oral hearing shall be accompanied by an additional fee of €63.00.

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.





CORK COUNTY COUNCIL
Environment Directorate,
Inniscarra,
Co. Cork

W.P. (W) 07/13 (R)

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

**Dept. of Agriculture, Food and the Marine,
Dinish Island,
Berehaven,
Bantry Bay,
Co. Cork.**

Schedule

Wastewater discharges shall take place only as specified in the licence application WP (W) 07/13 (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 Licensee 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 Personnel with responsibilities in wastewater control and treatment shall be identified to the Licensing Authority. Contact telephone numbers for such personnel shall be supplied to the Licensing Authority.
- 1.4 Personnel 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 made available to the Licensing Authority on request.
- 1.5 The Licensee shall provide a sampling point on the effluent discharge lines for the use of any Body having statutory responsibility for water pollution control. The Licensee shall also ensure that safe and direct access to the sampling points is available at all times.

Reason: For the management of wastewaters on the site

2 CONTAMINATED WASTE WATERS

- 2.1 All contaminated wastewaters arising from fish processing industries and boatyard (Syncrolift facility) at Dinish Island, Berehaven, Bantry Bay, Co. Cork, shall be collected and treated on site prior to discharge to waters, as outlined in maps/drawings submitted with the licence application.
- 2.2 Trade effluent 1 is wastewater arising from the treatment plant (DAF unit) as outlined in maps/drawings submitted with the licence application.

Trade effluent 2 is wastewater arising from the boatyard (Syncrolift facility) following treatment as outlined in maps/drawings submitted with the licence application.

The wastewater flow shall not exceed the following limits:

For Trade Effluent 1: The wastewater flow shall not exceed 780 m³/day or 50 m³/hour.

The outflow pipeline shall be fitted with a flow meter of the continuous recording and integrating type. In addition the outflow pipeline shall be fitted with a flow proportionate composite sampler. 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. This composite sample shall be collected at 12.00 noon each day or as otherwise 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.

For Trade Effluent 2: The wastewater flow shall not exceed 180 m³/day or 30 m³/hour.

The flow meter and sampling chamber shall be fully operational and in use at all times when wastewater is being discharged. The flow meter shall be of the continuous recording and integrating type.

For Trade Effluent 1:

Composite samples obtained from this sampling point shall be tested by the Licensee for the parameters indicated in the following table and no such sample or grab sample taken at the point of sampling shall exceed the following condition limits from the date of issue of this licence:

Parameter	Limit
pH	6.0 - 8.5 pH units
Biochemical Oxygen Demand	60% removal
Chemical Oxygen Demand	> 75% removal
Total Suspended Solids	> 90% removal
Mineral Oils	10 mg/l
Detergents (anionic, cationic and nonionic)	10 mg/l
Dissolved Inorganic Nitrogen	25 mg/l

The sampling point shall be the discharge point as depicted on maps and drawings which accompanied the application.

The frequency of testing for the above parameters shall be as follows:
Monthly for pH, Biochemical Oxygen Demand, Chemical Oxygen Demand, Total Suspended Solids and Dissolved Inorganic Nitrogen. Twice per year for Mineral Oils and Detergents.
The Licensing Authority reserves the right to alter the frequency of testing.

For Trade Effluent 2:

Grab samples obtained from this sampling point shall be tested by the Licensee for the parameters indicated in the following table and no such sample or grab sample taken at the point of sampling shall exceed the following condition limits from the date of issue of this licence:

Parameter	Limit
pH	6.0 – 8.5 pH units
Biochemical Oxygen Demand	25 mg/l
Chemical Oxygen Demand	125 mg/l
Total Suspended Solids	35 mg/l
Detergents (anionic, cationic and nonionic)	5 mg/l
Dissolved Inorganic Nitrogen	25 mg/l
Total Heavy Metals	5 mg/l reducing to 3 mg/l from 01/09/14
Diesel Range Organics	1 mg/l
Petrol Range Organics	1 mg/l

The sampling point shall be the discharge point as depicted on maps and drawings which accompanied the application.

The frequency of testing for the above parameters shall be as follows:
Twice per year for all parameters when wastewater is being discharged.
The Licensing Authority reserves the right to alter the frequency of testing.

The acute toxicity (e.g. 24 – 96 hour median lethal concentration) of the undiluted treated effluent to at least two appropriate aquatic species shall be determined by standardised and internationally accepted procedures. This determination shall be carried out by a competent and independent laboratory, whose name shall be submitted to the Licensing Authority for approval, within six months of the date of commissioning of the boatyard (Syncrolift facility). The effluent sample to be tested for this test shall be obtained by continuous compositing of fixed or flow proportionate volumes over a 24 hour period.

The toxicity of the effluent to all species shall not exceed 10 toxic units (TU) where toxic units are defined as:

$TU = (100/x \text{ Hour EC50})$ where x is the relevant period of exposure and EC50 is expressed as %vol/vol.

- 2.3 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.
- 2.4 No material which gives rise to tainting in fish or shellfish shall be discharged. The tainting potential of the treated effluent shall be determined on request from the Licensing Authority. All such tests shall be based on a seven day flow proportionate composite sample of treated effluent and shall be carried out by a competent independent laboratory using standard methods agreed with the Licensing Authority. The costs of such testing shall be borne by the Licensee.
- 2.5 The Licensee shall agree a programme of testing and inspection of all pipelines carrying trade effluent from the individual fish processing units and pipes on the treatment plant site, with the Licensing Authority with a view to ensuring the integrity of the collection system.
- 2.6 The Licensee shall install on request by the Licensing Authority and operate to the satisfaction of the Licensing Authority, UV sterilization equipment on the wastewater prior to discharge.

- 2.7 The domestic wastewater shall be tested annually for parameters to be agreed with the Licensing Authority.

Reason: To control the emissions prior to discharge

3 SURFACE AND STORM WATERS

- 3.1 All uncontaminated surface and storm waters shall be discharged as agreed with the Licensing Authority and discharged to the surface water drains as indicated on drawings that accompanied the application.
- 3.2 Grab samples shall be tested upon request by the Licensee for the parameters indicated in the table below and no such sample taken at the point of sampling in the discharge line shall exceed the following condition limits from the date of issue of this licence:

pH	6.0 to 8.0 pH units
Temperature	Ambient
Total Organic Carbon	30 mg/l
Total Suspended Solids	25 mg/l

Reason: To protect surface and groundwaters from polluting matter

4 STORAGE FACILITIES

- 4.1 All fuels, chemicals, oils and lubricating fluids storage tanks 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.
- 4.2 The integrity and water tightness of all the bunded structures, storage tanks, pressurized fuel delivery lines 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 treatment plant sludges shall be stabilized prior to disposal.
- 5.3 The Licensee shall submit the name of the licensed waste disposal contractors as per 5.1 above. Only licensed disposal contractors may be used in this regard.
- 5.4 While awaiting disposal, all wastes and by-products shall be collected and stored in designated areas protected against spillage and leachate run-off.
- 5.5 The Licensee shall keep records of all wastes disposed of off-site including any significant quantities of unused or spoiled fish, and other wastes and shall retain such records for a

minimum period of five years. These records shall be submitted to the Licensing Authority in conjunction with the annual report.

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

6 SURVEY OF RECEIVING WATERS

- 6.1 A representative sample of effluent from Trade Effluent 2, the boatyard (Syncrolift facility) shall be screened for the presence of organic compounds and metals following commissioning of the treatment system but no later than two years from the date of issue of this licence. The list of parameters for analysis shall include, as a minimum, those organic compounds and metals identified as relevant having regard to the European Communities Environmental Objectives (Surface Water) Regulations 2009 (S.I. 272 of 2009) and any other relevant legislation. Such screening shall be repeated at intervals as requested by the Licensing Authority thereafter. Having identified the most relevant pollutants from screening, subsequent monitoring for these pollutants shall be carried out at a frequency agreed with the Licensing Authority.

Reason: To control the emissions prior to discharge

7 MONITORING

- 7.1 The Licensee shall grant immediate and unhindered access to the site and any portion of the wastewater treatment plants 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.

- 7.2 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 before the tenth day of each calendar month the result of all monitoring relating to the previous month, 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.
- 7.3 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.
- 7.4 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 other senior officer designated by the Licensee.

Reason: To provide for adequate monitoring

8 RESPONSIBLE PERSON

- 8.1 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.

Reason: To provide for information

9 TREATMENT SYSTEMS

- 9.1 The Licensee shall initiate an approved maintenance programme for all such plant in use in the treatment process or in pollution control.
As a minimum the following conditions shall be performed:

The Licensee shall carry out a visual inspection of the wastewater and surface water discharge points twice weekly and any abnormalities in water quality shall be noted. If it appears that the abnormalities may be occurring as a result of the Licensee's discharges then the Licensee shall immediately notify the Licensing Authority and initiate an investigation into the possible cause of the abnormalities.

The treatment plants and boatyard area shall be checked after every period of excessive rainfall in order to ensure that the systems has not been affected by flooding.

A register shall be retained on site of all maintenance work and inspections carried out on such units and this information shall be made available to the Licensing Authority either on request or available for inspection on site.

- 9.2 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.
- 9.3 If the Licensee enters into a contract with a third party for the operation and maintenance of the wastewater treatment plants, a copy of the most recent contract shall be forwarded to the Licensing Authority annually.
- 9.4 There shall be safe and accessible access to the sampling locations.
- 9.5 All sumps or other treatment plant chambers from which spillages might occur shall be fitted with a high-level liquid alarm. The alarm system shall relay to a responsible contact person for the site. Containment areas around pump sumps shall be put in place and all spillages diverted to the effluent treatment plant for treatment.
- 9.6 Noise levels shall be controlled in accordance with Environmental Protection Agency guidelines.
- 9.7 There shall be no odour nuisance outside the plant boundary. Odour abatement shall be managed through structured monitoring and management of the operation of the wastewater treatment plants.
- 9.8 A copy of the most recent contract for the operation and maintenance of the wastewater treatment plant shall be forwarded to the Licensing Authority annually.

Reason: To protect surface and groundwaters from polluting matter and to provide for sampling.

10 CONTRIBUTIONS

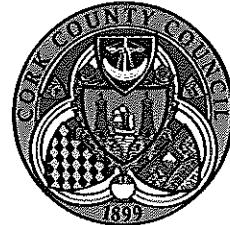
10.1 The Licensee shall pay to the Licensing Authority such annual contributions towards the cost of monitoring the discharge as the Licensing Authority considers necessary for the performance of its duties under this Act as follows:-

- a) Not later than September 30th 2013 the Licensee shall pay to the Licensing Authority a contribution of not less than (€1050).
- b) In subsequent years the Licensee shall pay to the Licensing Authority an annual amount of not less than (€1050) 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

Comhairle Contae Chorcaí Cork County Council

An Stiúrthóireacht Comhshaoil,
Inis Cara, Co. Corcaigh.
Fón: (021) 4532700 • Fais: (021) 4532727
Suíomh Gréasáin: www.corkcoco.ie
Environmental Directorate,
Inniscarra, Co. Cork.
Tel. No. (021) 4532700 • Fax No. (021) 4532727
Web: www.corkcoco.ie



Maureen Cherry
Executive Scientist,
Cork County Council
Inniscarra,
Co. Cork.

02/08/2013

Re: Local Government (Water Pollution) Acts, 1977 1990 Application Register No:
WP(W)07/13@

A Chara,

I enclose copy of Licence granted to Dept of Agriculture Food & the Marine
on the 02/08/2013 for your attention.

Mise le meas,

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

