

983

CORK COUNTY COUNCIL

**LOCAL GOVERNMENT (WATER POLLUTION) ACTS 1977 AND
1990**

Licence to discharge Trade Effluent or Sewage Effluent to Waters

Reference TO / Ken Fennell
No. In Kavanagh Fennell
WP(W) 17/12 Siminscourt House, Simminscourt
ZONE 3

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) 17/12

To Ken Fennell
Kavanagh Fennell
Siminscourt House, Simminscourt Rd, D4
ZONE 3

To Discharge Discharge of treated domestic waste water
from housing estate

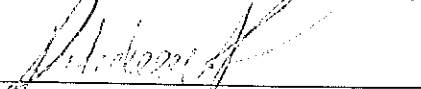
To (River) Ground water

Located at Ardnahinch Bay Housing Estate, Shanagarry

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 12 day of Oct 2012

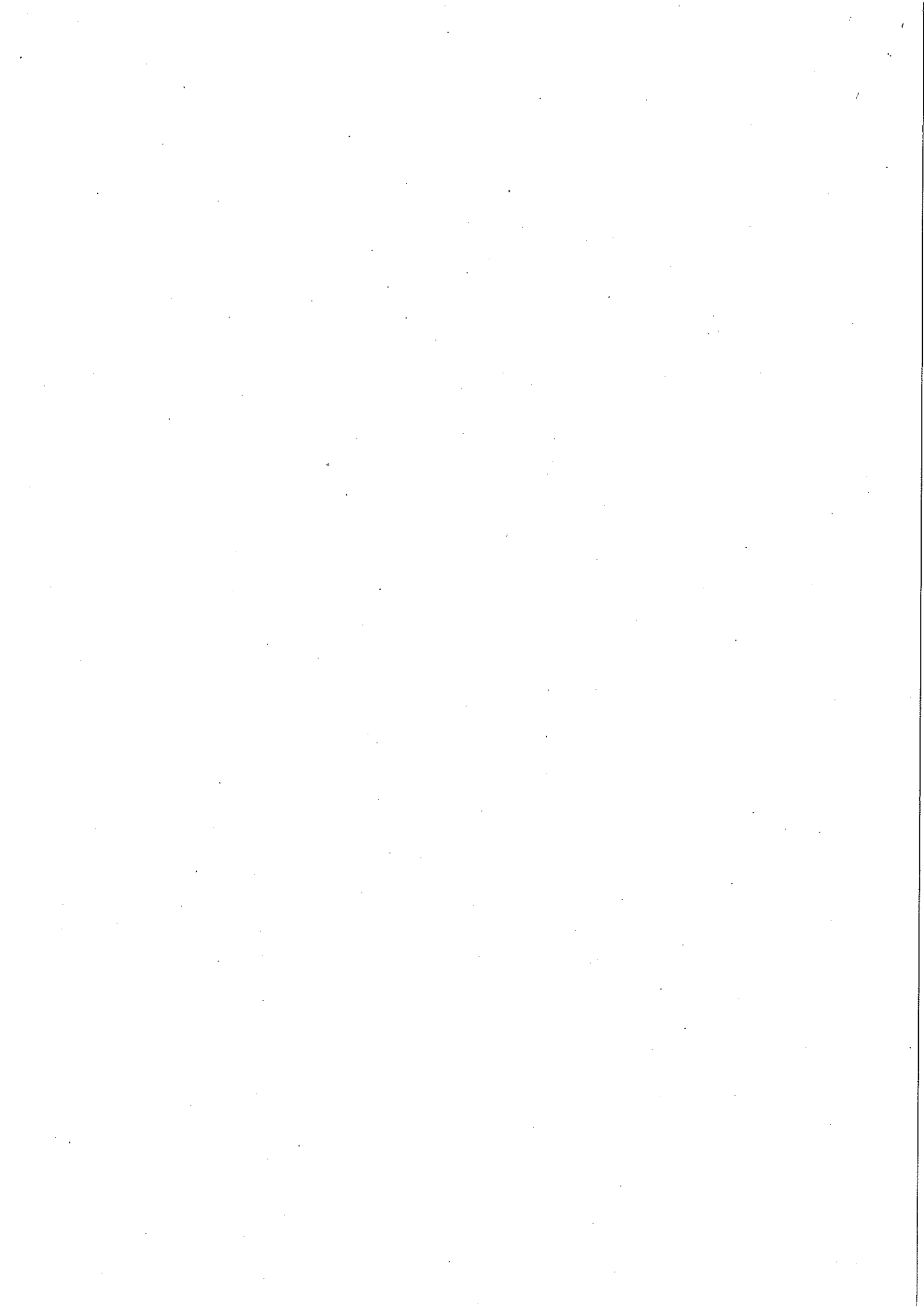
NOTE:

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) 17/12

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

**Ken Fennell (Receiver for Ardnahinch Bay Estate),
Kavanagh Fennell,
Simmonscourt House,
Simmonscourt Road,
Ballsbridge,
Dublin 4**

Schedule

Wastewater discharges shall take place only as specified in the licence application WP (W) 17/12 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 This licence is for the discharge of treated domestic wastewater only. The Licensee shall ensure no material or substance is discharged from the premises that may affect the working of the wastewater treatment plant. Hazardous chemicals, solvents, paints, pesticides, waste oils and other such chemicals shall not be discharged via the foul treatment system.
- 1.3 No substances listed in Table 12 of Schedule 6 of the European Communities Environmental Objectives (Surface Waters) Regulations 2009 (S.I. No. 272 of 2009) shall be discharged from this site. Biocides (pesticides, herbicides etc.) shall not be disposed of via the foul system.
- 1.4 Comprehensive written operating instructions and 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 made available to the Licensing Authority on request.
- 1.5 Operators 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.
- 1.6 Operators with responsibilities in wastewater control and treatment shall be identified to the Licensing Authority and contact telephone numbers supplied.
- 1.7 If the Licensee enters into a contract with a third party for the operation and maintenance of the wastewater treatment plant, a copy of the most recent contract shall be forwarded to the Licensing Authority annually.
- 1.8 Confirmation that the intermittent sand filter has been installed as per application, shall be submitted to the Licensing Authority by a registered professional with chartered status (or equivalent) awarded by a relevant professional body within six months of the date of issue of this licence.

Reason: For the management of wastewaters on the site

2 CONTAMINATED WASTE WATERS

- 2.1 All contaminated wastewater arising from the operation of a residential development at Ardnahinch Bay Estate, Ardnahinch, Shanagarry, Co. Cork shall be collected and treated on site prior to discharge to an intermittent sand filter and then to groundwater as indicated on drawings and maps which accompanied this licence application.

The treatment shall be of a standard necessary to achieve the emission limit values cited in 2.4 below prior to discharge to the intermittent sand filter.

- 2.2 Contaminated wastewater shall comprise of those arising from the above named development only shall include the following, having regard to the requirements of condition 2.1 of this licence:
- Domestic effluent
 - Any activity approved by the Licensing Authority
- 2.3 The total volume of treated effluent shall not exceed: 30 m³/day or 10m³/hr. The flow meter shall be fully operational and in use at all times when wastewater is being discharged.
- 2.4 Grab samples obtained 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:

Discharge from Wastewater Treatment Plant to intermittent sand filter	
pH	6.5 – 8.5 pH units
Temperature	25 °C
Biochemical Oxygen Demand	15 mg/l*
Total Suspended Solids	15 mg/l
Fats, Oils and Grease	20 mg/l
Detergents (anionic, cationic and nonionic)	5 mg/l
Orthophosphate as P	2 mg/l
Total Ammonia as N	5 mg/l
Faecal Coliforms	250 fc/100 mls

* An annual average BOD limit of 10 mg/l shall apply.

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

Monthly for all parameters except Detergents and Fats, Oils and Grease, for the first twelve months from the date of issue of this licence. Quarterly per year thereafter if the previous twelve months data demonstrates 100% compliance with this condition (2.5).

Fats, Oils and Grease and Detergents to be analysed every 6 months

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

- 2.5 In the event of malfunction or breakdown of the pollution abatement equipment (including fracture or blockage of any effluent pipe) 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.
- 2.6 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 available for inspection by the Licensing Authority on request.

- 2.7 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 safe and direct access to the sampling point is available at all times.
- 2.8 Should the total volume of treated effluent exceed 30m³/day, the Licensee shall carry out a Tier 3 assessment in accordance with the EPA Guidance on the Authorisation of Discharges to Groundwater. In particular, the capacity of the intermittent sand filter to accept the extra hydraulic and organic loading shall be assessed.
- 2.9 Where monitoring outlined in Condition 2.4 indicates that the discharge is having a deleterious microbiological effect on the quality of bathing water in the adjacent bathing waters area, the licensee shall install UV disinfection or other appropriate disinfection system.

Reason: To control the emissions prior to discharge

3 SURFACE WATER/GROUNDWATER

- 3.1 All uncontaminated storm water shall be discharged as agreed with the Licensing Authority and discharged to the surface water drain as indicated on drawings which accompanied this licence review application.

Grab samples shall be tested by the Licensee on request for the parameters indicated in the table below and no such sample taken of this surface water shall exceed the following condition limits:

pH	6.0 to 8.0 pH units
Temperature	Ambient
Biochemical Oxygen Demand	5 mg/l
Total Suspended Solids	30 mg/l

Sampling locations are to be agreed with the Licensing Authority.

- 3.2 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 SOLID WASTES

- 4.1 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.

- 4.2 All treatment plant sludge shall be stabilised prior to disposal. Any liquid extracted shall be pumped back to the effluent treatment unit. While awaiting disposal, all wastes and by-products shall be collected and stored in designated areas protected against spillage and leachate run-off.
- 4.3 The Licensee shall submit the name of the licensed waste disposal contractors as per 4.1 above. Only licensed disposal contractors may be used in this regard.

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

5 MONITORING

- 5.1 The Licensee shall grant immediate and unhindered access to the site and any portion of the effluent treatment plant, including sewers and pipes, 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.

- 5.2 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 results 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.

- 5.3 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.
- 5.4 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. The report shall also outline the intentions of the Licensee with regard to the upgrading of treatment facilities or operations should these results not fully comply with the terms of this licence. All monthly and annual reports shall be certified accurate and representative by the Licensee's plant manager or other senior officer designated by him.

Reason: To provide for adequate monitoring

6 TREATMENT PLANT

- 6.1 The Licensee shall initiate an approved maintenance programme for all such plant in use in the treatment process or in pollution control. A copy of the contract documents to operate and maintain the treatment plant shall be forwarded to the Local Authority each year with the annual report. The Licensee shall immediately notify the Licensing Authority of any change in either the contract agreements or any change of contracting company.

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

6.3 All pump sumps or other treatment plant chambers from which spillages might occur shall be fitted with high liquid level alarms. The alarm systems shall relay to a responsible contact person for the site. Containment areas around pump sumps shall be put in place and any spillages diverted to the effluent treatment plant.

The plant shall be checked after every period of excessive rainfall in order to ensure that the system has not been affected by flooding.

6.4 Noise levels shall be controlled and in accordance with Environmental Protection Agency guidelines.

6.5 There shall be no nuisance odour outside the plant boundary. Odour abatement shall be managed through a structured monitoring and management of the operation of the treatment plant.

6.6 The site shall be secured and fenced off from public access in accordance with best practices. There shall be safe and accessible access to the sampling locations. The proposed intermittent sand filter area shall be protected from vehicular traffic during construction. The intermittent sand filter shall be protected from vehicular traffic after construction.

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

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 2013 the Licensee shall pay to the Licensing Authority a contribution of not less than €800.
- (b) In subsequent years the Licensee shall pay to the Licensing Authority an annual amount of not less than €800 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