

132

CORK COUNTY COUNCIL
LOCAL GOVERNMENT (WATER POLLUTION) ACTS 1977 AND 1990

Licence to discharge Trade Effluent or Sewage Effluent to Waters.

Reference No.
In Register
W.P. (W) 1/00.

TO/ Horgan's Delicatessen Supplies Ltd.,
c/o Michael Horgan,
Knocknamuck,
Mitchelstown,
Co. Cork.

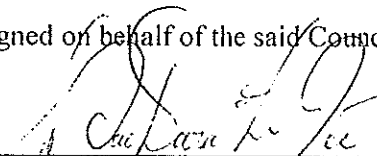
The Council of the County of Cork, in exercise of the powers conferred on it by the Local Government (Water Pollution) Acts, 1977 and 1990, as amended, hereby **GRANTS** a Licence, Reference Number W.P. (W) 1/00.

To discharge Effluent described in the application
From Horgan's Delicatessen Supplies Ltd.
Located at Knocknamuck, Mitchelstown, Co. Cork.
To Waters
At Discharge Point shown on drawings submitted on December, 1999.

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 708,
COUNTY HALL,
CORK.

Signed on behalf of the said Council,



SENIOR STAFF OFFICER

Dated this 22nd day of May, 2000.

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

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 an additional fee of £100.00. A request for an oral hearing shall be accompanied by an additional fee of £50.00.

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.

Environment dept

CORK COUNTY COUNCIL
Environment Dept.

Local Government Water Pollution Act 1977/1990
Licence under Section 4

Horgans Delicatessen Supplies
Knocknamuck
Mitchelstown
Co. Cork

Schedule

Effluent Discharges shall take place only as specified in the licence application W.P.(W) 01/2000 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 and 1990.

1. EFFLUENT MANAGEMENT

1.1 The Licensee shall employ the best available technology not entailing excessive cost in the avoidance, minimisation, treatment and disposal of effluent produced on site.

1.2 Comprehensive written operating instructions and procedures shall be prepared in respect of effluent 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.

1.3 Employees with responsibilities in the effluent control and treatment area shall receive training adequate to enable them to execute their tasks in relation to pollution control.

2. CONTAMINATED WASTE WATERS.

2.1 All contaminated wastewater arising from the operation of a delicatessen supplies company, at Knocknamuck, Mitchelstown, Co. Cork shall be treated on-site.

2.2 All treated effluent shall be discharged through one discharge point only to the land drain discharging to the Garrymay stream. The effluent may be piped directly to the Garrymay stream. The treated effluent outflow pipe shall be fitted with a flow meter and composite sampler at locations agreed with the Licensing Authority. The flow meter shall be of the continuous recording and integrating type and composite sampler shall be flow proportionate. 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 sampling and monitoring system shall be fully operational and in use at all times during which effluent is being discharged.

This composite samples shall be collected at 12:00 noon each day or as otherwise agreed with the licensing authority. A composite sample for testing purposes shall be defined as any sample extracted from the sampling apparatus between 8.00 am and 12.00 noon.

2.3 The total volume of treated effluent shall not exceed 7 cubic metres/day or 0.5 cubic metres/hour.

2.4 Composite samples obtained in accordance with condition 2.2 above 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 in the effluent discharge line shall exceed the following condition limits from the date of issue of the licence.

pH	6 - 8.5
B.O.D.	10* mg/l
Total Suspended Solids	15** mg/l
Ammonia (as N)	0.5 mg/l
Total Phosphorous (P)	3 mg/l
Detergents (as LAS)	5 mg/l
Oils, fats and greases	10 mg/l

25*/35** standard shall be allowed if the effluent is discharged direct to the Garrymay stream, to the satisfaction of the Licensing Authority.

Environment dept

The frequency of testing of the above parameters shall be as follows, pH daily, B.O.D, suspended solids, shall be tested fortnightly, and all other parameters as per condition 2.4 except oil facts and greases shall be tested monthly. Oil facts and greases shall be tested biannually.

In the event that satisfactory correlation can be established between C.O.D and B.O.D. levels, then with the agreement of the licensing authority the C.O.D. test results may be used to estimate the B.O.D. loading, subject to the following :

Quarterly B.O.D (5 day) tests being carried out .
Yearly re-evaluation of the C.O.D. / B.O.D. ratio.

2.5 The discharge of all effluent should be such that the temperature of the receiving water downstream of the outfall shall not be artificially increased above the following limits:

May - October	21 °C
November - April	10 °C

Subject to the above the ambient temperature of the receiving waters shall not be increased by more than 1.5 °C five meters downstream of the discharge point.

The river up and down stream of the discharge point shall be monitored between May to September inclusive, at sites agreed with the Licensing Authority for the following parameters, temperature, flowrate, dissolved oxygen, biochemical oxygen demand, and ammonia and monthly for total phosphorous. This monitoring shall be carried out on request by the Licensing Authority.

2.6 The acute toxicity (e.g. 24 - 96 hour median lethal concentration) of the undiluted 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 three months of the date of issue of this licence. The effluent sample to be tested shall be obtained by continuous composting of fixed or flow proportionate volumes over a 24 hour period.

The toxicity of the effluent to all species shall not exceed 5 toxic units (TU) where toxic units are defined as: $TU = (100/x \text{ Hour EC}_{50})$

where x is the relevant period of exposure and EC50 is expressed as %vol/vol.

The toxicity of the treated effluent shall be determined on request by the Licensing Authority.

Environment dept

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

2.8 In the event of malfunction or breakdown of the effluent control system, or any other incident on site which may be rise to water pollution, including, fracture or blockage of any effluent pipe 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. The Licensee shall take all possible steps to ensure that discharges not in accordance with the provisions of this licence do not occur and shall consult with the Licensing Authority on the best practicable means of rectification.

2.9 The Licensee shall agree a programme of regular testing and inspection of underground pipelines on site with the Licensing Authority with a view to ensuring the integrity of the collection system. Report to be submitted within three months from the date of issue of licence.

2.10 The Licensee shall submit an upgraded map of the over / underground pipework on the production site, effluent treatment plant site and outfall, if any modifications are made following the submission of the original map which accompanied the application. The upgrades such be submitted within three months of any and all modifications.

2.11 The Licensee shall carry out visual inspection of the effluent and surface water discharge points daily 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.

3 STORM WATERS

3.1 All uncontaminated storm water shall be directed to the watercourse adjoining the site as indicated on the drawings with accompanied the application. Not withstanding the above no composite or grab sample from the storm water discharge pipes shall exceed the following limits:-

pH	6-9
BOD	5 mg/l
Suspended solids,	10 mg/l
Ammonia (as N)	0.5 mg/l
Temperature	20 °C

4 STORAGE FACILITIES

4.1 All oil storage tanks 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.

4.2 The integrity and watertightness of all the bunded structures 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.

5 SOLID WASTES

5.1 All wastes shall be recycled or recovered in so far as is practical. All waste management options utilised shall be agreed in advance with the Licensing Authority.

5.2 All solids from the settlement tanks shall be disposed off in accordance with a waste management programme to be agreed with the Licensing Authority . This plan should be submitted within three months from the date of issue of licence.

5.3 While awaiting disposal, all wastes and by-products shall be collected and stored in designated areas protected against spillage and leachate run-off.

5.4 Within three months of the issue of this licence, the Licensee shall submit details of proposals for the disposal of excess sludge generated in the treatment plant. In the event that it is intended to dispose of the sludge to lands, the licensee shall submit a map showing the proposed lands which will be used, together, with the results of soil analysis carried out on the lands prior to any disposal.

6 MONITORING

6.1 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 authorised 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.

Environment dept

6.2 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.

6.3 The licensee shall keep records of all monitoring carried out and shall retain such records for a minimum period of three years. These records shall be available for inspection by authorised 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 quarter period 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. 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.

Before January 15th. 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 effluent 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 plant or operations should these results not fully comply with the terms of this licence.

All monthly and annual reports shall be signed by the Licensee's plant manager or other senior officer designated by him.

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.

8. EFFLUENT CONTROL FACILITIES

8.1 The integrity of the system shall be demonstrated to the satisfaction of the Licensing Authority prior to the commencement of any discharge. All liquid retaining units shall be tested for watertightness. The results of all such tests shall be certified correct by a Chartered Engineer.

Environment dept

8.2 The Licensee shall identify those items of effluent treatment facility which are central to the proper operation of the effluent treatment system on site. The Licensee shall initiate an approved maintenance programme for all such plant in use in the treatment process or in pollution control. A register shall be kept of all maintenance work carried out on such units and this information shall be made available to the Licensing Authority on request.

8.3 All pump sumps or other treatment plant chambers from which spillages might occur shall be fitted with high liquid level alarms. The alarm condition shall be signified by an audible signal on site. Duty and standby pumps and other duplicate plant equipment shall be interchanged weekly in order to allow each unit equal running time in duty mode. Control panels shall incorporate hours run meters for each individual unit.

9 CONTRIBUTIONS

9.1 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., 2000 the licensee shall pay to the Licensing Authority a contribution of not less than (£500). $€634.92 + 37 = 2001 \Rightarrow 672$

(b) In subsequent years the licensee shall pay to the Licensing Authority an annual amount of not less than (£500) 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. $2002 \Rightarrow 672 + 31 = €703$ $2003 = 703 + 33 = 736$

(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.