

Local Government (Water Pollution) Act, 1977
REGISTER OF LICENCES UNDER SECTION 4
For the Discharge of Trade and Sewerage Effluents to Waters
LOCAL AUTHORITY: WICKLOW COUNTY COUNCIL

1. *Reference number of the licence:* WPL 61
2. *Name and address of the applicant:* William and Esther O'Brien, Woodenbridge Hotel, Woodenbridge, Arklow, Co. Wicklow
3. *Location of the premises, works, apparatus or drainage pipe from which effluent is discharged:* Woodenbridge Hotel, Woodenbridge, Arklow, Co. Wicklow.
4. *Description of Waters to which Discharge is made:* Aughrim River
5. *Location of point(s) of discharge:* Not specified
6. *Description of effluent:* Treated domestic effluent
7. *Date of grant of licence:* 26th September 2001
8. *Condition attached to licence:* Conditions numbered 1 to 11.3 as set out in the Licence
9. *If licence is revised, reference no. of previous licence:* WPL 41
10. *Notification by An Bord Pleanála of appeal:*
 - i. *Date:*
 - ii. *Board's reference:*
11. *Result of appeal:*

STATUS: LAPSED. REVISED LICENCE ISSUED – WPL 73

**WICKLOW COUNTY COUNCIL
LOCAL GOVERNMENT (WATER POLLUTION) ACTS, 1977 – 1990
SECTION 4 DISCHARGE LICENCE**

**WICKLOW COUNTY COUNCIL
COUNTY BUILDINGS,
WICKLOW.**

**REFERENCE IN REGISTER
WPL/61**

APPLICANT: William & Esther O'Brien,
Woodenbridge Hotel,
Woodenbridge,
Arklow,
Co. Wicklow.

TELEPHONE NO: (0402) 35146

PREMISES: William & Esther O'Brien,
Woodenbridge Hotel,
Woodenbridge,
Arklow,
Co. Wicklow.

DISCHARGE: Treated Sewage Effluent.

Wicklow County Council in exercise of the powers conferred on it by the Local Government (Water Pollution) Acts, 1977 – 1990 by Manager's Order No. Env/203/01 dated 20th September, 2001 hereby grants a Licence to discharge treated domestic effluent from the Woodenbridge Hotel, Garnagowlan, Woodenbridge, Arklow, Co. Wicklow, to the Aughrim River, subject to the following conditions:

LICENCE CONDITIONS

1. General Layout and Operation

- 1.1 This Revised Licence shall be in respect of sewage effluent from the Woodenbridge Hotel, which has undergone treatment at the sewage treatment plant on its premises at Woodenbridge, Arklow, Co. Wicklow and then discharged via a single authorised point to the Aughrim River.
- 1.2. The premises of the Woodenbridge Hotel shall be laid out, operated and maintained in such a manner as to prevent the discharge of any polluting matter either to groundwater or surface water, other than treated sewage effluent to the Aughrim via the Hotel's sewage treatment plant.
- 1.3 Uncontaminated roof and surface water shall be separately collected and discharged to surface water drains or soakaways on site.

- 1.4 The Licensee's sewage treatment plant shall be operated and maintained in such manner as to ensure that the discharge of treated effluent is in accordance with the volume and concentration limits set out in Conditions 2.1 and 2.2.

All oil storage tanks located above ground shall be provided with an adequately designed bund system complete with impervious base. Filling and off-take points shall be located within the bund.

The sewage treatment area shall be maintained in a tidy and safe condition. No offensive odours or nuisances shall be allowed to persist in the vicinity of the sewage treatment area.

Grease removal devices shall be installed on the waste pipe(s) from the kitchen area prior to the collection of foul sewage. These devices shall be checked regularly, cleaned and maintained as required.

2. Effluent Volume and Characteristics

- 2.1 The treated sewage effluent from the sewage treatment plant shall be uniformly discharged over a 24-hour period, 7 days a week. The total volume of effluent discharged to the Aughrim River shall not exceed 38 m³/day subject to a maximum flow rate of 5 m³/hour.
- 2.2 The treated sewage effluent discharged from the sewage treatment plant to the Aughrim River shall comply with the quality standards set out in respect of the determinands in table 1 below.

Table 1

DETERMINAND	EMMISSION LIMIT VALUE
pH	6 to 9
Temperature	< 25 °C
BOD ₅	< 20 mg/l O ₂
COD	< 80 mg/l O ₂
Suspended Solids	< 30 mg/l
Total Ammoniacal Nitrogen	< 20 mg/l N
Nitrate	< 5 mg/l N
Phosphate	< 12 mg/l P
Fats/oils/grease	< 20 mg/l
Detergents (MSAS)	< 1 mg/l

3. Effluent Treatment

- 3.1 The site drainage, the sewage treatment plant, the ancillary equipment shall be designed and installed as per drawings submitted.

3.2 *Sewage Treatment Plant*

The flow rate of the treated sewage effluent discharged from the sewage treatment plant shall be controlled, so as to ensure compliance with condition 2.1. The sewage treatment plant shall be capable of producing an effluent quality in compliance with condition 2.2.

4. Treatment Plant Maintenance

- 4.1 The Licensee shall inform the Licensing Authority of the name, address and telephone number of the nominated person(s) who shall be trained and have responsibility for the daily operation and maintenance of the sewage treatment plant within two months of the date of issue of the Revised Licence. The Licensee shall make provision for substitute trained persons as may be necessary during the absence of the nominated person.
- 4.2 The Licensee shall engage the services of a competent independent engineering/environmental consultant for the maintenance of the sewage treatment plant on a contractual basis of three years duration. A copy of the initial contract document shall be submitted to and agreed with the Licensing Authority within two months of the date of issue of the Revised Licence. Copies of the contract documents for subsequent shall be submitted to and agreed with the Licensing Authority within two months of the anniversary date of issue of the Revised Licence.
- 4.3 The aforementioned contract shall include at two visits by the consultant each year. A copy of each maintenance report shall be submitted to the Licensing Authority within one month of the date of the report becoming available.
- 4.4 The Licensee shall ensure that the nominated and substitute persons receive detailed instruction and training about the operation and maintenance of the sewage effluent treatment plant. In this regard, the aforementioned staff shall be required to attend an approved course on biological sewage treatment and shall be issued with instruction manuals drawn up by the manufacturer detailing the operation and the maintenance of the sewage treatment plant. Copies of the instruction manual and certified course attendance shall be submitted to the Licensing Authority within two months of the date of issue of the Revised Licence.

5. Provision of Monitoring Stations

- 5.1 The Licensee shall provide safe, permanent, unhindered and immediate access to the sampling point locations.

Effluent: A suitable chamber shall be provided for sampling the treated sewage effluent before discharge to the river. The sampling chamber

shall facilitate flow monitoring, grab sampling and composite sampling of the effluent.

Receiving Water: Safe and unhindered access to the Aughrim River shall be provided to the satisfaction of the Licensing Authority within two months of the date of issue of this Revised Licence.

Free access by Authorised Officers of the Licensing Authority and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 shall be provided at any time on request.

6. Monitoring Regime

The Licensee shall either :-

(a) Install, calibrate and maintain a suitable flow-measuring flume and a staff gauge on the effluent discharge pipeline to the Aughrim River, and record the flow rate and daily discharge volume on a weekly basis.

Or

(b) Install, calibrate and maintain a suitable water meter on the drinking water supply to the premises, and record the water meter readings on a weekly basis.

A certificate of calibration for the flow-measuring flume and a staff gauge in the case of **option 6.1(a)**, or a certificate of calibration for the water meter in the case of **option 6.1(b)** shall be forwarded to the Licensing Authority within six months of the date of issue of this Revised Licence. Further such certificates shall be submitted on request.

In the event, that **option 6.1(b)** fails to operate satisfactorily in the opinion of the Licensing Authority, then the said Authority shall reserve the right to insist on **condition 6.1(a)** above.

6.2 The Licensee shall arrange to have representative samples of the effluent taken from the sampling chamber and tested at least once monthly from the 1st April to the 30th September period, and bimonthly from the 1st October to the 31st March period of each year, in respect of the determinands listed in table 2 below :-

Table 2

DETERMINAND	Unit of Expression
pH	pH Unit
Temperature	°C
BOD ₅	mg/l O ₂
COD	mg/l O ₂
Total Ammoniacal Nitrogen	mg/l N
Orthophosphate	mg/l P

In addition the Licensee shall arrange to have representative samples of the effluent tested at least once every six months in respect of the determinands listed in table 3 below: -

Table 3

DETERMINAND	Unit of Expression
Fats/oils/grease	mg/l
Nitrate	mg/l N
Suspended Solids	mg/l
Detergents (MBAS)	mg/l

6.3 The Licensee shall engage the services of a competent independent laboratory to carry out the effluent sample analysis as per condition 6.2 on a contract basis of three years duration. A copy of the initial contract document shall be submitted to and agreed with the Licensing Authority within two months of the date of issue of this Revised Licence. Copies of the contract documents for subsequent years shall be submitted to and agreed with the Licensing Authority within two months of the anniversary date of issue of this revised Licence.

7. Solid Waste Storage and Disposal

The sludge arising from the sewage treatment plant and the domestic waste shall be disposed offsite. The Licensee shall inform and agree the manner in which it they propose to dispose of the sludge and the domestic waste with the Local Authority within two months of the date of issue of this Revised Licence.

8. Monitoring Records

8.1 Legible traceable records of all flow and analytical data (with appropriate units shown) referred to in condition 6 (the monitoring regime) shall be maintained and submitted to the Licensing Authority within two weeks of the period to which they relate.

8.2 The Licensee shall maintain legible traceable records of all solid waste disposal activities; date of disposal, quantity and description of waste, waste disposal contractor and destination of the waste disposed.

8.3 The records referred to in conditions 8.1 and 8.2 shall also be available by the Licensee for inspection by Authorised Officers of the Licensing Authority, and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 or under Section 14 of the Waste Management Act, 1996 at any time on request.

9. Access by Authorised Personnel

9.1 Authorised officers of the Licensing Authority or its agents and any other person authorised under Section 28 of the Local Government (Water

Pollution) Act, 1977 shall have access to the Licensee's sewage treatment facilities at all reasonable times including if necessary, times other than normal working hours, and shall also have access to the sewage treatment plant, and to the site in general, at all times in the event of an emergency.

- 9.2 Details of contact personnel (referred to in condition 4.1), including addresses and telephone numbers shall be made available to the Licensing Authority for contact in the event of an emergency within two months of the date of issue of the Revised Licence. At least one such person shall be available for contact at all times.

10. Monitoring Contribution to the Licensing Authority

- 10.1 The Licensee shall pay on demand an annual contribution of £ 500 towards the Licensing Authority's (Wicklow County Council) monitoring costs. The first such fee shall be the corresponding portion of the annual fee for the period from the date of issue of the Revised Licence to the end of the calendar year. The subsequent annual monitoring fees shall apply to the normal full calendar year. The subsequent annual contributions shall be reckoned on the initial sum of £ 500 when adjusted in accordance with the consumer price index for the intervening period.

11. Notification to the Licensing Authority

- 11.1 The Licensee shall notify the Licensing Authority in writing of any changes of ownership of the premises or of the company name or of the personnel referred to in conditions 4.1 and 9.2 of this Revised Licence.
- 11.2 The Licensee shall notify the Licensing Authority in advance of any proposed change in the operation of the premises, which could cause a material alteration in the nature, or an increase in the volume of the effluent discharged.
- 11.3 The Licensee shall notify the Licensing Authority of any accidental discharge, spillage or deposit of polluting matter, which enters or is likely to enter the surface water drains, or the groundwater or the Aughrim River, as soon as practicably possible, in accordance with Section 14 of the Local Government (Water Pollution) Act.

SIGNED:


A/COUNTY SECRETARY

DATED:

26th September, 2001

Local Government (Water Pollution) Act, 1977
REGISTER OF LICENCES UNDER SECTION 4
For the Discharge of Trade and Sewerage Effluents to Waters
LOCAL AUTHORITY: WICKLOW COUNTY COUNCIL

12. *Reference number of the licence:* WPL 63
13. *Name and address of the applicant:* Department of Defence, Coolmoney Camp, Glen of Imaal, Co. Wicklow
14. *Location of the premises, works, apparatus or drainage pipe from which effluent is discharged:* Coolmoney Camp, Glen of Imaal, Co. Wicklow
15. *Description of Waters to which Discharge is made:* Little Slaney River
16. *Location of point(s) of discharge:* Not specified
17. *Description of effluent:* Sewage
18. *Date of grant of licence:* 18th June 2002
19. *Condition attached to licence:* Conditions numbered 1 to 11.5 as set out in the Licence
20. *If licence is revised, reference no. of previous licence:*
21. *Notification by An Bord Pleanála of appeal:*
 - i. *Date:*
 - ii. *Board's reference:*
22. *Result of appeal:*

STATUS: CURRENT

WICKLOW COUNTY COUNCIL
LOCAL GOVERNMENT (WATER POLLUTION) ACTS, 1977 - 1990
SECTION 4 DISCHARGE LICENCE

WICKLOW COUNTY COUNCIL
COUNTY BUILDINGS,
WICKLOW.

REFERENCE IN REGISTER
WPL: 63

LICENSEE: Department of Defence,
McKee Barracks,
Blackhorse Avenue,
Dublin 7.

TELEPHONE NO: 01-6706472

PREMISES: Coolmoney Camp,
Glen Of Imaal,
Co. Wicklow.

DISCHARGE TYPE: Sewage Effluent.

Wicklow County Council in exercise of the powers conferred on it by the Local Government (Water Pollution) Acts, 1977 – 1990 by Manager's Order No. ENV 120/02 dated the 18th day of June, 2002 hereby grants a Licence to discharge of treated sewage effluent only from the premises of Coolmoney Camp, Glen of Imaal, Co. Wicklow subject to the following conditions:-

LICENCE CONDITIONS

1. General Layout and Operation
 - 1.1 This Licence shall be in respect of the discharge of treated sewage effluent from the Coolmoney Camp, Glen of Imaal, Co. Wicklow, to the Little Slaney River via a single authorised discharge point.
 - 1.2. The premises of the Coolmoney Camp shall be laid out, operated and maintained in such a manner as to prevent the discharge of any polluting matter either to groundwater or surface water, other than the discharge of the treated sewage effluent to the Little Slaney River after appropriate treatment.
 - 1.3 Uncontaminated roof and surface water shall be separately collected and discharged to surface water drains or soakaways on site.
 - 1.4 The sewage treatment plant shall be operated and maintained in such manner as to ensure that the discharge of the treated sewage effluent is in

accordance with the volume and concentration limits set out in Conditions 2.1 and 2.2.

- 1.5 All oil storage tanks located above ground shall be provided with an adequately designed bund system complete with impervious base. Filling and off-take points shall be located within the bund.
- 1.6 The sewage treatment area shall be maintained in a tidy and safe condition. No offensive odours or nuisances shall be allowed to persist in the vicinity of the treatment area.
- 1.7 Grease removal devices shall be installed on the waste pipe(s) from the kitchen area prior to the collection of foul sewage. These devices shall be checked regularly, cleaned and maintained as required.

2. Effluent Volume and Quality

- 2.1 The treated effluent from the sewage treatment plant shall normally be discharged uniformly over a 24-hour period, 7 days a week. The total volume of the treated effluent discharged to the Little Slaney River shall not exceed 91.8 m³/day subject to a maximum flow rate of 15 m³/hour.
- 2.2 The treated effluent discharged from the sewage treatment plant to the Little Slaney River shall comply with the quality standards set out in respect of the determinands in table 1 below.

Table 1

DETERMINAND	EMMISSION LIMIT VALUE
pH	6 to 9
Temperature	< 25 °C
BOD ₅	< 10 mg/l O ₂
COD	< 50 mg/l O ₂
Suspended Solids	< 15 mg/l
Total Ammoniacal Nitrogen	< 10 mg/l N
Nitrate	< 35 mg/l N
Phosphate	< 2 mg/l P
Fats/oils/grease	< 20 mg/l
Detergents (MBAS)	< 1 mg/l

- 2.3 Fats, oils and grease shall not be present in quantities in the effluent discharge to the Little Slaney River such as to:
 - (i) form visible films on the surface of the river,
 - (ii) form coatings on bed of the river, benthic biota or food sources,
 - (iii) cause deleterious effects on aquatic life,
 - (iv) impart a detectable taste or odour to edible aquatic species.

3. Effluent Treatment

- 3.1 The drawings, calculations and other details pertaining to the finally chosen design of the sewage treatment plant shall be submitted for approval.

4. Treatment Plant Maintenance

- 4.1 The Licensee shall inform the Licensing Authority of the name, address and telephone number of the nominated person(s) who shall be trained and have responsibility for the routine operation and maintenance of the sewage treatment plant within two months of the date of issue of the Licence. The Licensee shall make provision for substitute trained persons as may be necessary during the absence of the nominated person.
- 4.2 The Licensee shall establish an in-house service programme for the long-term service of the sewage treatment plant in accordance with the manufacturer's recommendations. A copy of the programme shall be submitted to and agreed with the Licensing Authority within two months of the date of issue of the Licence. If the implementation of the in-house service programme is not carried out to the satisfaction of the Licensing Authority, then the Authority shall reserve the right to insist that the Licensee takes out a service contract with a competent independent engineering/environmental consultant for the long-term service of the sewage treatment plant. In such an event a copy of the contract document shall be submitted to and agreed with the Licensing Authority within two months of the date of the Authority taking such a view.
- 4.3 The aforementioned programme or contract shall include at least two visits each year. A copy of each service report shall be submitted to the Licensing Authority within one month of the date of the report becoming available.
- 4.4 The Licensee shall ensure that the nominated and substitute persons receive detailed instruction and training about the operation and maintenance of the sewage treatment plant. In this regard, the aforementioned staff shall be required to attend an approved course on physical/biological treatment of wastewater and shall be issued with instruction manuals detailing the operation and the maintenance of the sewage treatment plant. Copies of the instruction manual and certified course attendance shall be submitted to the Licensing Authority within six months of the date of issue of the Licence.

5. Provision of Monitoring Stations

- 5.1 The Licensee shall provide safe, permanent, unhindered and immediate access to the sampling point locations.

Sewage Effluent: A suitable chamber shall be provided for sampling the treated sewage effluent before discharge to the Little Slaney River. The sampling chamber shall facilitate flow monitoring, grab sampling and composite sampling of the treated sewage effluent.

Receiving Water: Safe and unhindered access to the Little Slaney River shall be provided to the satisfaction of the Licensing Authority within two months of the date of issue of this Licence.

Free access by Authorised Officers of the Licensing Authority and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 shall be provided at any time on request.

6. Monitoring Regime

- 6.1 The Licensee shall install, calibrate and maintain a suitable flow meter and recorder on the treated sewage effluent discharge pipe to the Little Slaney River, and record the hourly flow rate and the daily discharge volume.

The meter shall be calibrated and a certificate of calibration shall be forwarded to the Licensing Authority within six months of the date of issue of this Licence. Further such certificates shall be submitted on request.

- 6.2 The Licensee shall arrange to have representative samples of the treated sewage effluent taken from the sampling chamber and tested at least bimonthly from the 1st April to the 30th September period, and trimonthly from the 1st October to the 31st March period of each year, in respect of the determinands listed in table 3 below: -

Table 3

DETERMINAND	Unit of Expression
pH	pH Unit
Temperature	°C
BOD ₅	mg/l O ₂
Total Ammoniacal Nitrogen	mg/l N
Orthophosphate	mg/l P
Suspended Solids	mg/l

- 6.3 The Licensee shall arrange to have representative samples of the treated sewage effluent taken from the sampling chamber and tested at least trimonthly in respect of the determinands listed in table 4 below: -

Table 4

DETERMINAND	Unit of Expression
COD	mg/l O ₂
Total Ammoniacal Nitrogen	mg/l N
Fats/oils/grease	mg/l
Nitrate	mg/l N
Detergents (MBAS)	mg/l

6.4 The Licensee shall carry out any monitoring of the untreated/in-process/treated wastewater as is necessary to control the treatment process to ensure compliance with the effluent quality standards stipulated in condition 2.2 of this licence.

7. Solid Waste Storage and Disposal

7.1 The Licensee shall inform and agree the manner in which it they propose to dispose of the sludge and the domestic waste with the Local Authority within two months of the date of issue of this Licence.

8. Monitoring Records

8.1 Legible traceable records of all flow and analytical data (with appropriate units shown) referred to in condition 6 (the monitoring regime) shall be maintained and submitted to the Licensing Authority within two weeks of the month to which they relate.

8.2 The Licensee shall maintain legible traceable records of all solid waste disposal activities; date of disposal, quantity and description of waste, waste disposal contractor and destination of the waste disposed.

8.3 The records referred to in conditions 8.1 and 8.2 shall also be available by the Licensee for inspection by Authorised Officers of the Licensing Authority, and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 or under Section 14 of the Waste Management Act, 1996 at any time on request.

9. Access by Authorised Personnel

9.1 Authorised officers of the Licensing Authority or its agents and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 shall have access to the Licensee's sewage treatment and monitoring facilities at all reasonable times including if necessary, times other than normal working hours, and shall also have access to the sewage treatment plant, and to the site in general, at all times in the event of an emergency.

9.2 Details of contact personnel (referred to in condition 4.1), including addresses and telephone numbers shall be made available to the Licensing Authority for contact in the event of an emergency within two months of the date of issue of the Licence. At least one such person shall be available for contact at all times.

10. Monitoring Contribution to the Licensing Authority

10.1 The Licensee shall pay on demand an annual contribution of 2100 euro towards the Licensing Authority's (Wicklow County Council) monitoring costs. The subsequent annual contributions shall be reckoned on the initial sum of

2100 euro when adjusted in accordance with the consumer price index for the intervening period.

11. Notification to the Licensing Authority

11.1 The Licensee shall notify the Licensing Authority in writing of any changes of ownership of the premises or of the company name or of the personnel referred to in conditions 4.1 and 9.2 of this Licence.

11.2 The Licensee shall notify the Licensing Authority in writing and in advance of any proposed change in the operation of the premises, which could cause a material alteration in the nature, or an increase in the volume of the effluent discharged.

11.3 The Licensee shall notify the Licensing Authority in writing of when the new sewage treatment plant has been commissioned.

11.4 The Licensee shall inform the Licensing Authority if the sewage treatment plant breaks down and also of what corrective action have/will be taken to prevent pollution.

11.5 The Licensee shall notify the Licensing Authority of any accidental discharge, spillage or deposit of polluting matter, which enters or is likely to enter the surface water drains, the groundwater or to the Little Slaney River, as soon as practicably possible, in accordance with Section 14 of the Local Government (Water Pollution) Act.

SIGNED:

Michael Nicholson

**MICHAEL NICHOLSON,
DIRECTOR OF ENVIRONMENTAL
AND SANITARY SERVICES.**

DATED:

15th June 2012

NOTE:

An Appeal against the above decision may be made before the expiration of one month from the date of the above decision. Such appeal shall (a) be made in writing, (b) state the subject matter of the appeal, (c) state the grounds of appeal, (d) state the reference number of the Licence, and (e) state in full the grounds on which they are based. An appeal which does not comply with these requirements shall be invalid.

Appeals should be addressed to The Secretary, An Bord Pleanála, Floor 3 Blocks 6 and 7, Irish Life Centre, Lower Abbey Street, Dublin 1 and should be accompanied with a fee of €126.00.

Local Government (Water Pollution) Act, 1977
REGISTER OF LICENCES UNDER SECTION 4
For the Discharge of Trade and Sewerage Effluents to Waters
LOCAL AUTHORITY: WICKLOW COUNTY COUNCIL

1. *Reference number of the licence:* WPL 64
2. *Name and address of the applicant:* Coolmore Residents Association (Agent: David Dempsey and Associates) Coolmore Housing Estate, Coolmore, Arklow, Co. Wicklow
3. *Location of the premises, works, apparatus or drainage pipe from which effluent is discharged:* Coolmore Housing Estate, Coolmore, Arklow, Co. Wicklow
4. *Description of Waters to which Discharge is made:* Redcross River
5. *Location of point(s) of discharge:* not specified
6. *Description of effluent:* Sewage effluent
7. *Date of grant of licence:* 26th June 2002
8. *Condition attached to licence:* Conditions numbered 1 to 11.3 as set out in the Licence
9. *If licence is revised, reference no. of previous licence:*
10. *Notification by An Bord Pleanála of appeal:*
 - i. *Date:*
 - ii. *Board's reference:*
11. *Result of appeal:*

STATUS: CURRENT

WICKLOW COUNTY COUNCIL
LOCAL GOVERNMENT (WATER POLLUTION) ACTS, 1977 - 1990
SECTION 4 DISCHARGE LICENCE

WICKLOW COUNTY COUNCIL
COUNTY BUILDINGS,
WICKLOW.

REFERENCE IN REGISTER
WPL 64

LICENSEE:

David Dempsey & Associates, Agent for
Coolmore Residents Association,
Coolmore Housing Estate,
Coolmore,
Arklow,
Co. Wicklow.

PREMISES:

Coolmore Housing Estate,
Coolmore,
Arklow,
Co. Wicklow.

DISCHARGE:

Treated Sewage Effluent.

Wicklow County Council in exercise of the powers conferred on it by the Local Government (Water Pollution) Acts, 1977 - 1990 by Manager's Order No. ENV 136/02 dated the 24th day of June, 2002 hereby grants a Licence to discharge of treated sewage effluent only from the premises of Coolmoney Camp, Glen of Imaal, Co. Wicklow subject to the following conditions:-

LICENCE CONDITIONS

1. General Layout and Operation

1.1 This Licence shall be in respect of the discharge of treated sewage effluent only, from the Coolmore Housing Estate, Coolmore, Arklow, Co. Wicklow to the Redcross River via a single authorised discharge point.

- 1.2. The premises of the Coolmore Housing Estate shall be laid out, operated and maintained in such a manner as to prevent the discharge of any polluting matter either to groundwater or surface water, other than the discharge of the treated sewage effluent to the Redcross River after appropriate treatment.
- 1.3. Uncontaminated roof and surface water shall be separately collected and discharged to the surface water drains or soakaways on site.
- 1.4. The sewage treatment plant shall be operated and maintained in such manner as to ensure the discharge of treated effluent is in accordance with the volume and concentration limits set out in Conditions 2.1 and 2.2.
- 1.5. Minimal quantities of detergents and sanitisers shall be used, all of which shall be biodegradable.
- 1.6. All oil storage tanks located above ground shall be provided with adequately designed bund systems complete with impervious bases. The filling and off-take points shall be located within the bunds.
- 1.7. The sewage treatment area shall be maintained in a tidy and safe condition. No offensive odours shall be allowed to persist in the vicinity of the treatment area.

2. Effluent Volume and Characteristics

- 2.1. The treated effluent from the sewage treatment plant shall be uniformly discharged over a 24-hour period, 7 days a week. The total volume of the treated effluent discharged to the Redcross River shall not exceed 8 m³/day subject to a maximum flow rate of 1 m³/hour.
- 2.2. The treated effluent discharged from the sewage treatment plant to the Redcross River shall comply with the quality standards set out in respect of the determinands table 1 below.

Table 1

DETERMINAND	EMMISSION LIMIT VALUE
pH	6 to 9
Temperature	< 25 °C
BOD ₅	< 10 mg/l O ₂
COD	< 50 mg/l O ₂
Suspended Solids	< 15 mg/l
Total Ammoniacal Nitrogen	< 10 mg/l N
Nitrate	< 35 mg/l N
Phosphate	< 10 mg/l P
Fats/oils/grease	< 20 mg/l

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

3. Effluent Treatment

- 3.1 The site drainage and sewage treatment plant shall be laid out per drawings and descriptions submitted in the Licence application.

4. Sewage Treatment Plant Maintenance

- 4.1 The Licensee shall inform the Licensing Authority of the names, addresses and telephone numbers of the nominated person(s) who shall be trained and have responsibility for the routine operation and maintenance of the sewage treatment plant within two months of the date of issue of this Licence. The Licensee shall inform the Licensing Authority about the details of any rotation-system in place for the above purpose. The Licensee shall make provision for substitute trained persons as may be necessary during the absence of the nominated persons.
- 4.2 The Licensee shall enter into service contracts with a competent independent engineering/environmental consultant for the long-term maintenance of the sewage treatment plant and effluent out-fall pipe. A copy of the each annual contract document shall be submitted to and agreed with the Licensing Authority within two months of the anniversary date of issue of this Licence.
- 4.3 The aforementioned contracts shall provide for at least one visit to the sewage treatment plant each year as well as for emergency call-outs. A copy of each service and maintenance report shall be submitted to the Licensing Authority within one month of the date of the report becoming available.
- 4.4 The Licensee shall ensure that the nominated and trained persons receive detailed instruction and training about the routine operation and maintenance of the sewage treatment plant from the manufacturer/supplier of the plant. The Licensee shall also ensure that the nominated and substitute trained persons receive instruction manuals detailing the operation and maintenance of the sewage treatment plant.

5. Provision of Monitoring Stations

5.1 The Licensee shall provide safe, permanent, unhindered and immediate access to the sampling point locations.

Effluent: A sampling chamber shall be provided for the taking of grab and composite samples of the effluent before discharge to the Redcross River. The Licensee shall facilitate the Licensing Authority in order that the flow rate and total daily volume of the effluent being discharged from the sewage treatment plant may be measured.

Redcross River: Safe, permanent, unhindered and immediate access to the river shall be provided at points 25m upstream and 25-100m downstream of the location of the percolation area.

The exact location of the sampling points shall be clearly marked on a map and agreed with the Licensing Authority within two months of the date of issue of this licence.

Free access by Authorised Officers of the Licensing Authority and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 shall be provided at any reasonable time.

6. Monitoring Regime

6.1 The Licensee shall install, calibrate and maintain a suitable water meter on the drinking water supply to the housing estate, and record the water meter readings on a weekly basis.

A certificate of calibration for the water meter shall be forwarded to the Licensing Authority within six months of the date of issue of this Licence. Further such certificates shall be submitted on request.

In the event that this arrangement for estimating the daily volume of effluent being discharged fails to operate satisfactorily in the opinion of the Licensing Authority, then the said Authority shall reserve the right to insist on an alternative.

6.2 The Licensee shall arrange to have representative samples of the effluent taken from sampling chamber and tested at least tri-monthly in the period from 1st April to 30th September of each year, and at least once in the period from 1st October to 31st March of each year in respect of the determinands listed in table 2 below:-

Table 2

DETERMINAND	Unit of Expression
pH	pH Unit
Temperature	°C
BOD ₅	mg/l O ₂

- 6.3 In addition the Licensee shall arrange to have a representative sample of the effluent taken from sampling chamber and tested at least once in the period from 1st April to 30th September of each year, in respect of the determinands listed in table 3 below:-

Table 3

DETERMINAND	Unit of Expression
C.O.D.	mg/l O ₂
Suspended Solids	mg/l
Total Ammoniacal Nitrogen	mg/ N
Fats/Oils/Grease	mg/l
Nitrate	mg/l N
Suspended Solids	mg/l
Detergents (MBAS)	mg/l

7. Solid Waste Storage and Disposal.

- 7.1 The sludge arising from the sewage treatment plant shall be disposed offsite and in accordance with the Waste Management (Use of Sewage Sludge in Agriculture) Regulations, 1998 (SI No. 148 of 1998), Waste Management (Permit) Regulations, 1998 (SI No. 165 of 1998) and any other relevant regulation as specified under the Waste Management Act, 1996.
The Licensee shall inform and agree with the Licensing Authority the manner in which it is proposed to dispose of this sludge within two months of the date of issue of this Licence.

8. Monitoring Records

- 8.1 Legible traceable records of all flow and analytical data (with appropriate units shown) referred to in conditions 6.1 to 6.3 (the monitoring regime) shall be maintained and submitted to the Licensing Authority within two weeks of the period to which the analytical data relates.
- 8.2 The Licensee shall maintain legible traceable records of all sludge waste disposal activities; date of disposal, quantity and description of waste, waste disposal contractor and destination of the waste disposed.
- 8.3 The records referred to in conditions 8.1 and 8.2 shall also be made available by the Licensee for inspection by Authorised Officers of the Licensing Authority and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 and Section 14 of the Waste Management Act, 1996 at any time on request.

9. Access by Authorised Personnel

9.1 Authorised officers of the Licensing Authority or its agents and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 shall have access to the Licensee's sewage treatment plant at all reasonable times including if necessary, times other than normal working hours, and shall also have access to the sewage treatment plant and to the site in general at all times in the event of an emergency.

9.2 Details of contact personnel (referred to in condition 4.1), including addresses and telephone numbers shall be made available to the Licensing Authority for contact in the event of an emergency within two months of the date of issue of this Licence. The Licensee shall ensure that at least one such person shall be available for contact at all times.

10. Monitoring Contribution to the Licensing Authority

10.1 The Licensee shall pay a contribution of 200 euro per annum towards the Licensing Authority's (Wicklow County Council) monitoring costs.

11. Notification to the Licensing Authority

11.1 The Licensee shall notify the Licensing Authority in writing of any changes in ownership of the houses within the housing estate or of changes to personnel referred to in conditions 4.1 and 9.2 of this Licence.

11.2 The Licensee shall notify the Licensing Authority in advance of any proposed change in the operation of the housing estate, which would cause, or be likely to cause a material alteration in the nature, or increase in the volume of the sewage effluent discharged.


11.3 The Licensee shall notify the Licensing Authority of any accidental discharge, spillage or deposit of polluting matter which enters or is likely to enter the river as soon as practicable after the occurrence, in accordance with Section 14 of the Local Government (Water Pollution) Act.

SIGNED:



DIRECTOR OF ENVIRONMENTAL
AND SANITARY SERVICES.

DATED:



20th June 2002

NOTE:

An Appeal against the above decision may be made before the expiration of one month from the date of the above decision. Such appeal shall (a) be made in writing, (b) state the subject matter of the appeal, (c) state the grounds of appeal, (d) state the reference number of the Licence, and (e) state in full the grounds on which they are based. An appeal which does not comply with these requirements shall be invalid.

Appeals should be addressed to The Secretary, An Bord Pleanála, Floor 3 Blocks 6 and 7, Irish Life Centre, Lower Abbey Street, Dublin 1 and should be accompanied with a fee of €126.00.

Local Government (Water Pollution) Act, 1977
REGISTER OF LICENCES UNDER SECTION 4
For the Discharge of Trade and Sewerage Effluents to Waters
LOCAL AUTHORITY: WICKLOW COUNTY COUNCIL

1. *Reference number of the licence:* WPL 65
 2. *Name and address of the applicant:* Firefly Properties Ltd., Brook Lodge Hotel, Macreddin, Aughrim, Co. Wicklow
 3. *Location of the premises, works, apparatus or drainage pipe from which effluent is discharged:* Brook Lodge Hotel, Macreddin, Aughrim, Co. Wicklow
 4. *Description of Waters to which Discharge is made:* to Groundwater
 5. *Location of point(s) of discharge:* Not specified
 6. *Description of effluent:* Sewage effluent
 7. *Date of grant of licence:* 28th June 2002
 8. *Condition attached to licence:* Conditions numbered 1 to 11.3 as set out in the Licence
 9. *If licence is revised, reference no. of previous licence:*
 10. *Notification by An Bord Pleanála of appeal:*
 - i. *Date:*
 - ii. *Board's reference:*
 11. *Result of appeal:*
- STATUS: CURRENT

- Register -

**WICKLOW COUNTY COUNCIL
LOCAL GOVERNMENT (WATER POLLUTION) ACTS, 1977 - 1990
SECTION 4 DISCHARGE LICENCE**

**WICKLOW COUNTY COUNCIL
COUNTY BUILDINGS,
WICKLOW.**

**REFERENCE IN REGISTER
WPL 65**

LICENSEE: Firefly Properties Limited,
Brook Lodge Hotel,
Macreddin,
Aughrim,
Co. Wicklow.

TELEPHONE NO: 0402-36444

PREMISES: Brook Lodge Hotel,
Macreddin,
Aughrim,
Co. Wicklow.

DISCHARGE: Treated Sewage Effluent.

Wicklow County Council in exercise of the powers conferred on it by the Local Government (Water Pollution) Acts, 1977 – 1990 by Manager's Order No. ENV 136/02 dated the 28th day of June, 2002 hereby grants a Licence to discharge of treated sewage effluent only from the premises of Brook Lodge Hotel, Macreddin, Aughrim, Co. Wicklow subject to the following conditions:-

LICENCE CONDITIONS

1. General Layout and Operation
 - 1.1 This Licence shall be in respect of the discharge of treated sewage effluent only, from the premises of the Brook Lodge Hotel at Macreddin, Aughrim, Co. Wicklow to groundwater via treatment in primary settling tanks and a sewage treatment plant followed by further treatment in percolation areas and then diffusely discharged to groundwater.
 - 1.2. The Licensee's premises shall be laid out, operated and maintained in such a manner as to prevent the discharge of any polluting matter either to groundwater or surface water, other than the treated sewage effluent

to groundwater via treatment in primary settling tanks and a sewage treatment plant followed by further treatment in percolation areas and then discharged diffusely to groundwater.

- 1.3 Uncontaminated roof and surface water shall be separately collected and discharged to surface water drains or soak-aways on site.
- 1.4 The Licensee's sewage treatment plant shall be operated and maintained in such manner as to ensure that the discharge of treated sewage effluent is in accordance with the volume and concentration limits set out in Conditions 2.1 and 2.2.
- 1.5 All oil storage tanks located above ground shall be provided with an adequately designed bund system complete with impervious base and walls. Filling and off-take points shall be located within the bund system.
- 1.6 The sewage treatment area shall be maintained in a tidy and safe condition. No offensive odours or nuisances shall be allowed to persist in the vicinity of this area.
- 1.7 Grease removal facility shall be installed on the waste pipe(s) from the kitchen area prior to the collection of foul sewage. This shall be checked regularly, cleaned and maintained as required.

2. Effluent Volume and Characteristics

- 2.1 The treated sewage effluent shall be uniformly discharged from the sewage treatment plant over a 24-hour period, 7 days a week. The total volume of sewage effluent discharged from the sewage treatment plant to the percolation areas shall not exceed 45 m³/day subject to a maximum flow rate of 6 m³/hour.
- 2.2 The treated sewage effluent discharged from the sewage treatment plant to the percolation areas shall comply with the quality standards set out in respect of the determinands in table 1 below.

Table 1

DETERMINAND	EMMISSION LIMIT VALUE
pH	6 to 9
Temperature	< 25 °C
BOD ₅	< 10 mg/l O ₂
COD	< 40 mg/l O ₂
Suspended Solids	< 10 mg/l
Total Ammoniacal Nitrogen	< 20 mg/l N
Nitrate	< 15 mg/l N
Phosphate	< 12 mg/l P
Fats/oils/grease	< 20 mg/l
Detergents (MBAS)	< 1 mg/l

3. Effluent Treatment

3.1 The site drainage, the sewage treatment plant, the percolation areas and the ancillary equipment shall be designed and installed as per submission received 22 October 2001 and as per Mr. Kevin Buckley's report submitted to the planning authority on 26 April 1999.

3.2 Sewage Treatment Plant

The flow rate of treated sewage effluent discharged from the sewage treatment plant shall be controlled to ensure that compliance with condition 2.1 is achieved. The sewage treatment plant shall be capable of producing an effluent quality in compliance with condition 2.2. Standby pumping equipment with automatic changeover capability shall be provided.

3.3 Percolation Areas

The percolation trenches shall be marked and care shall be taken to avoid compaction of the subsoil by heavy vehicles travelling over them. The distribution manholes shall be readily accessible and checked regularly for to see that they are functioning correctly.

4. Treatment Plant Maintenance

4.1 The Licensee shall inform the Licensing Authority of the name, address and telephone number of the nominated person(s) who shall be trained and have responsibility for the daily operation and maintenance of the effluent treatment plant and percolation areas within two months of the date of issue of the Licence. The Licensee shall make provision for substitute trained persons as may be necessary during the absence of the nominated person.

4.2 The Licensee shall enter into a service and maintenance contract with a competent independent engineering/environmental consultant for the long-term maintenance of the sewage treatment plant and percolation areas. A copy of the contract document shall be submitted to and agreed with the Licensing Authority within two months of the date of issue of the Licence.

4.3 The aforementioned contract shall include at least two visits by the consultant each year. A copy of each service and maintenance report shall be submitted to the Licensing Authority within one month of the date of the report becoming available.

4.4 The Licensee shall ensure that the nominated and substitute persons receive detailed instruction and training about the operation and

maintenance of the sewage effluent treatment system. In this regard, the aforementioned staff shall be required to attend an approved course on biological sewage treatment and shall be issued with instruction manuals drawn up by the manufacturer detailing the operation and the maintenance of the sewage treatment system. Copies of the instruction manual and certified course attendance shall be submitted to the Licensing Authority within two months of the date of issue of the Licence.

5. Provision of Monitoring Stations

- 5.1 The Licensee shall provide safe, permanent, unhindered and immediate access to the sampling point location.

Effluent: A sampling chamber shall be provided for grab and composite sampling of the treated sewage effluent before discharge to the percolation areas. The Licensee shall facilitate the Licensing Authority in-order that the flow rate of treated sewage effluent being discharged to the percolation areas may be measured.

Free access by Authorised Officers of the Licensing Authority and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 shall be provided at any time.

6. Monitoring Regime

- 6.1 The Licensee shall install, calibrate and maintain a suitable water meter(s) on the drinking water supply to the premises, and record the water meter readings on a weekly basis.
A certificate of calibration for the water meter shall be forwarded to the Licensing Authority within six months of the date of issue of this Licence. Further such certificates shall be submitted on request.

In the event that this arrangement for estimating the daily volume of effluent being discharged fails to operate satisfactorily in the opinion of the Licensing Authority, then the said Authority shall reserve the right to insist on an alternative.

- 6.2 The Licensee shall install, calibrate and maintain a suitable automatic composite sampler and recorder on the effluent discharge line from the effluent treatment plant and record the sampling events.

The sampler and recorder shall be calibrated and certificates of calibration shall be forwarded to the Licensing Authority within six months of the date of issue of this Licence. Further such certificates shall be submitted on request.

- 6.3 The Licensee shall arrange to have representative time-paced or flow proportional composite samples of the effluent taken from sampling chamber over a 24-hour period and tested at least once monthly from the 1st April to the 30th September period, and tri-monthly from the 1st October to the 31st March period of each year, in respect of the determinands listed in table 2 below :-

Table 2

DETERMINAND	Unit of Expression
pH	pH Unit
Temperature	°C
BOD ₅	mg/l O ₂
COD	mg/l O ₂
Total Ammoniacal Nitrogen	mg/l N
Orthophosphate	mg/l P

- 6.4 In addition the Licensee shall arrange to have representative time-paced or flow proportional composite samples of the effluent taken from sampling chamber over a 24-hour period tested at least once every six months in respect of the determinands listed in table 3 below :-

Table 3

DETERMINAND	Unit of Expression
Fats/oils/grease	mg/l
Nitrate	mg/l N
Suspended Solids	mg/l
Detergents (MBAS)	mg/l

7. Solid Waste Storage and Disposal

All the sludge arising from the effluent treatment system and the domestic waste shall be disposed offsite. The Licensee shall inform and agree the manner in which they propose to dispose of the sludge and the domestic waste with the Local Authority within two months of the date of issue of this Licence.

8. Monitoring Records

- 8.1 Legible traceable records of all flow and analytical data (with appropriate units shown) referred to in condition 6 (the monitoring regime) shall be maintained and submitted to the Licensing Authority within two weeks of the period to which they relate.

- 8.2 The Licensee shall maintain legible traceable records of all solid waste disposal activities; date of disposal, quantity and description of waste, waste disposal contractor and destination of the waste disposed.
- 8.3 The records referred to in conditions 8.1 and 8.2 shall also be available by the Licensee for inspection by Authorised Officers of the Licensing Authority, and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 or under Section 14 of the Waste Management Act, 1996 at any time on request.

9. Access by Authorised Personnel

- 9.1 Authorised officers of the Licensing Authority or its agents and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 shall have access to the Licensee's effluent treatment facilities at all reasonable times including if necessary, times other than normal working hours, and shall also have access to the effluent treatment plant, and to the site in general, at all times in the event of an emergency.
- 9.2 Details of contact personnel (referred to in condition 4.1), including addresses and telephone numbers shall be made available to the Licensing Authority for contact in the event of an emergency within two months of the date of issue of the Licence. At least one such person shall be available for contact at all times.

10. Monitoring Contribution to the Licensing Authority

- 10.1 The Licensee shall pay on demand an annual contribution of 1000 euro towards the Licensing Authority's (Wicklow County Council) monitoring costs. The first such fee shall be the corresponding portion of the annual fee for the period from the date of issue of the Licence to the end of the calendar year. The subsequent annual monitoring fees shall apply to the normal full calendar year. The subsequent annual contributions shall be reckoned on the initial sum of 1000 euro when adjusted in accordance with the consumer price index for the intervening periods.

11. Notification to the Licensing Authority

- 11.1 The Licensee shall notify the Licensing Authority in writing of any changes of ownership of the premises or of the company name or of the personnel referred to in conditions 4.1 and 9.2 of this Licence.
- 11.2 The Licensee shall notify the Licensing Authority in advance of any proposed change in the operation of the premises, which could cause a material alteration in the nature, or an increase in the volume of the effluent discharged.

11.3 The Licensee shall notify the Licensing Authority of any accidental discharge, spillage or deposit of polluting matter, which enters or is likely to enter the surface water drains or the groundwater, as soon as practicably possible, in accordance with Section 14 of the Local Government (Water Pollution) Act.

SIGNED: *Michael Nicholson*

**MICHAEL NICHOLSON,
DIRECTOR OF ENVIRONMENTAL AND
SANITARY SERVICES.**

DATED: *28th June 2002*

NOTE:

An Appeal against the above decision may be made before the expiration of one month from the date of the above decision. Such appeal shall (a) be made in writing, (b) state the subject matter of the appeal, (c) state the grounds of appeal, (d) state the reference number of the Licence, and (e) state in full the grounds on which they are based. An appeal which does not comply with these requirements shall be invalid.

Appeals should be addressed to The Secretary, An Bord Pleanála, Floor 3 Blocks 6 and 7, Irish Life Centre, Lower Abbey Street, Dublin 1 and should be accompanied with a fee of €126.00.

Local Government (Water Pollution) Act, 1977
REGISTER OF LICENCES UNDER SECTION 4
For the Discharge of Trade and Sewerage Effluents to Waters
LOCAL AUTHORITY: WICKLOW COUNTY COUNCIL

1. *Reference number of the licence:* WPL 66
2. *Name and address of the applicant:* Pascal Birmingham, Sea Road, Johnstown South Arklow, Co. Wicklow
3. *Location of the premises, works, apparatus or drainage pipe from which effluent is discharged:* Dwelling house at Sea Road, Johnstown South, Arklow, Co. Wicklow
4. *Description of Waters to which Discharge is made:* Stream at Johnstown South
5. *Location of point(s) of discharge:* not specified
6. *Description of effluent:* Treated sewage effluent
7. *Date of grant of licence:* 15th October 2002
8. *Condition attached to licence:* Conditions numbered 1 to 11.3 as set out in the Licence
9. *If licence is revised, reference no. of previous licence:*
10. *Notification by An Bord Pleanála of appeal:*
 - i. *Date:*
 - ii. *Board's reference:*
11. *Result of appeal:*

STATUS: CURRENT

WICKLOW COUNTY COUNCIL
LOCAL GOVERNMENT (WATER POLLUTION) ACTS, 1977 - 1990
SECTION 4 DISCHARGE LICENCE

WICKLOW COUNTY COUNCIL
COUNTY BUILDINGS,
WICKLOW.

REFERENCE IN REGISTER
WPL 66

LICENSEE: Pascal Birmingham,
Sea Road,
Johnstown South,
Arklow,
Co. Wicklow.

TELEPHONE NO: 086-2624632

PREMISES: Pascal Birmingham's Dwelling,
Sea Road,
Johnstown South,
Arklow,
Co. Wicklow.

DISCHARGE: Treated Sewage Effluent.

LICENCE CONDITIONS

1. General Layout and Operation
 - 1.1 This Licence shall be in respect of the discharge of treated sewage effluent only, from the mechanical aeration sewage treatment plant and soil polishing filter with under-drains (effluent treatment system) serving the dwelling of Pascal Birmingham at Sea Road, Johnstown South, Arklow, Co. Wicklow to nearby stream.
 - 1.2 The Licensee's premises shall be laid out, operated and maintained in such a manner as to prevent the discharge of any polluting matter either to groundwater or surface water, other than treated sewage effluent to the nearby stream via the effluent treatment system.

- 1.3 Uncontaminated roof and surface water shall be separately collected and discharged to surface water drains or soak-aways on site.
- 1.4 The Licensee's mechanical-aeration sewage treatment plant shall be operated and maintained in such manner as to ensure that the discharge of treated sewage effluent is in accordance with the volume and concentration limits set out in Conditions 2.1 and 2.2.
- 1.5 Any oil storage tank located above ground shall be provided with an adequately designed bund system complete with impervious base. Filling and off-take points shall be located within the bund.
- 1.6 The sewage treatment area shall be maintained in a tidy and safe condition. No offensive odours or nuisances shall be allowed to persist beyond the site boundary.

2. Effluent Volume and Characteristics

- 2.1 The treated sewage effluent shall be uniformly discharged from effluent treatment system over a 24-hour period, 7 days a week. The total volume of treated sewage effluent discharged from the mechanical-aeration sewage treatment plant to the soil-polishing filter shall not exceed 1.5 m³/day.
- 2.2 The treated sewage effluent discharged from the mechanical-aeration sewage treatment plant to the soil-polishing filter shall comply with the quality standards set out in respect of the determinands in table 1 below.

Table 1

DETERMINAND	EMMISSION LIMIT VALUE
pH	6 to 9
Temperature	< 25 °C
BOD ₅	< 20 mg/l O ₂
COD	< 80 mg/l O ₂
Suspended Solids	< 30 mg/l
Total Ammoniacal Nitrogen	< 20 mg/l N
Nitrate	< 15 mg/l N
Phosphate	< 12 mg/l P
Fats/oils/grease	< 20 mg/l

3. Effluent Treatment

3.1 The mechanical-aeration sewage treatment plant, the soil-polishing filter with under-drains, and the discharge pipe shall be installed as detailed in the application documents and as amended by the submission dated 15 July 2002.

3.2 The soil polishing filter with under-drains shall be laid out as proposed and constructed to the specification of the Wastewater Treatment Manuals-Treatment System for Single Houses (Published by E.P.A. 2002). In particular as per proposal for the polishing filter and land drainage-submitted on 15/7/02. Photographic evidence of the installation of the secondary treatment unit, distribution chamber, and percolation trenches and pipes, land drainage system shall be submitted on completion of the system. Before the extended development is occupied, a certificate from a chartered engineer, environmental health officer, or hydrogeologist (with professional indemnity insurance) stating that the effluent disposal system has been installed and commissioned in accordance with this condition, shall be submitted to the Licensing Authority

The imported soil used to construct the percolation area shall be placed in layers not exceeding 300mm thick and lightly compacted. After each lift is placed, percolation tests shall be carried out in accordance with the direction in section 3.2.2 of the manual. The extended development shall not be occupied until certified results of percolation tests for each 300mm lift and further trial holes and percolation tests have been carried out subsequent to the completed improvement works and submitted for the written approval of the Licensing Authority.

4. Treatment Plant Maintenance

4.1 The Licensee shall inform the Licensing Authority of the name, address and telephone number of the nominated person(s) who shall be trained and have responsibility for the routine operation and maintenance of the effluent treatment system within two months of the date of issue of the Licence. The Licensee shall make provision for substitute trained persons as may be necessary during the absence of the nominated person.

4.2 The Licensee shall enter into a service and maintenance contract with a competent independent engineering/environmental consultant for the long-term maintenance of the effluent treatment system. A copy of the contract document shall be submitted to and agreed with the Licensing Authority within two months of the date of issue of the Licence.

- 4.3 The aforementioned contract shall provide for at least one scheduled visit by the consultant each year and for emergency call-outs in the event of breakdowns. A copy of each service and maintenance report shall be submitted to the Licensing Authority within one month of the date of the report becoming available.
- 4.4 The Licensee shall ensure that the nominated and substitute persons receive detailed instruction and training about the operation and maintenance of the effluent treatment system. In this regard, the aforementioned persons shall be issued with instruction manuals drawn up by the manufacturer detailing the operation and the maintenance of the sewage treatment system. Copies of the instruction manual shall be submitted to the Licensing Authority within two months of the date of issue of the Licence.

5. Provision of Monitoring Stations

- 5.1 The Licensee shall provide safe, permanent, unhindered and immediate access to the sampling point location.
Effluent: A sampling chamber shall be provided for grab and composite sampling of the treated sewage effluent after the mechanical-aeration sewage treatment plant and before discharge to the soil-polishing filter. The Licensee shall facilitate the Licensing Authority in-order that the flow rate of treated sewage effluent being discharged to the soil-polishing filter may be measured.

Free access by Authorised Officers of the Licensing Authority and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 shall be provided at any time on request.

6. Monitoring Regime

- 6.1 The Licensee shall arrange to have a representative sample of the effluent taken from the sampling chamber and tested at least once each year, in respect of the determinands listed in table 2 below: -

Table 2

DETERMINAND	Unit of Expression
pH	pH Unit
Temperature	^o C
BOD ₅	mg/l O ₂
Suspended Solids	mg/l
COD	mg/l O ₂
Total Ammoniacal Nitrogen	mg/l N
Nitrate	mg/l N
Orthophosphate	mg/l P
Fats/oils/grease	mg/l

7. Solid Waste Storage and Disposal

The sludge from the mechanical-aeration sewage treatment plant and the domestic refuse shall be disposed offsite. The Licensee shall inform and agree the manner in which it they propose to dispose of the sludge and the domestic waste with the Local Authority within two months of the date of issue of this Licence.

8. Monitoring Records

8.1 Legible traceable records of all analytical data (with appropriate units shown) referred to in condition 6 (the monitoring regime) shall be maintained and submitted to the Licensing Authority within two weeks of the period to which they relate.

8.2 The Licensee shall maintain legible traceable records of all sludge disposal activities; date of disposal, quantity, disposal contractor and destination of the sludge disposed.

8.3 The records referred to in conditions 8.1 and 8.2 shall also be available by the Licensee for inspection by Authorised Officers of the Licensing Authority, and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 or under Section 14 of the Waste Management Act, 1996 at any time on request.

9. Access by Authorised Personnel

9.1 Authorised officers of the Licensing Authority or its agents and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 shall have access to the Licensee's effluent treatment(disposal) system at all reasonable times including if necessary, times other than normal working hours, and shall also have access to the effluent treatment system, and to the site in general, at all times in the event of an emergency.

9.2 Details of contact personnel (referred to in condition 4.1), including addresses and telephone numbers shall be made available to the Licensing Authority for contact in the event of an emergency within two months of the date of issue of the Licence. At least one such person shall be available for contact at all times.

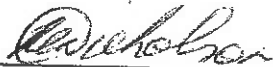
10. Monitoring Contribution to the Licensing Authority

10.1 The Licensee shall pay on demand an annual contribution of 100 euro towards the Licensing Authority's (Wicklow County Council) monitoring costs. The subsequent annual contributions shall be reckoned on the initial sum of 100 euro when adjusted in accordance with the consumer price index for the intervening period.

11. Notification to the Licensing Authority

- 11.1 The Licensee shall notify the Licensing Authority in writing of any changes of ownership of the premises or of the personnel referred to in conditions 4.1 and 9.2 of this Licence.
- 11.2 The Licensee shall notify the Licensing Authority in advance of any proposed change in the operation of the premises, which could cause a material alteration in the nature, or an increase in the volume of the effluent discharged.
- 11.3 The Licensee shall notify the Licensing Authority of any accidental discharge, spillage or deposit of polluting matter, which enters or is likely to enter the surface water drains or the groundwater, as soon as practicably possible, in accordance with Section 14 of the Local Government (Water Pollution) Act.

SIGNED:



MICHAEL NICHOLSON,
DIRECTOR OF ENVIRONMENTAL AND
SANITARY SERVICES.

DATED:

15th Oct. 2002

NOTE:

An Appeal against the above decision may be made before the expiration of one month from the date of the above decision. Such appeal shall (a) be made in writing, (b) state the subject matter of the appeal, (c) state the grounds of appeal, (d) state the reference number of the Licence, and (e) state in full the grounds on which they are based. An appeal which does not comply with these requirements shall be invalid.

Appeals should be addressed to The Secretary, An Bord Pleanála, Floor 3 Blocks 6 and 7, Irish Life Centre, Lower Abbey Street, Dublin 1 and should be accompanied with a fee of €126.00.

Local Government (Water Pollution) Act, 1977
REGISTER OF LICENCES UNDER SECTION 4
For the Discharge of Trade and Sewerage Effluents to Waters
LOCAL AUTHORITY: WICKLOW COUNTY COUNCIL

1. *Reference number of the licence:* WPL 67
2. *Name and address of the applicant:* Quality Ceramics (Arklow) Ltd., South Quay, Arklow, Co. Wicklow
3. *Location of the premises, works, apparatus or drainage pipe from which effluent is discharged:* South Quay, Arklow, Co. Wicklow
4. *Description of Waters to which Discharge is made:* Avoca River
5. *Location of point(s) of discharge:* Not specified
6. *Description of effluent:* Trade effluent
7. *Date of grant of licence:* 21st November 2002
8. *Condition attached to licence:* Conditions numbered 1 to 11.4 as set out in the Licence
9. *If licence is revised, reference no. of previous licence:*
10. *Notification by An Bord Pleanála of appeal:*
 - i. *Date:*
 - ii. *Board's reference:*
11. *Result of appeal:*

STATUS: CURRENT

LOCAL GOVERNMENT (WATER POLLUTION) ACTS, 1977 – 1990

LICENCE TO DISCHARGE TRADE EFFLUENT TO WATERS

WICKLOW COUNTY COUNCIL
COUNTY BUILDINGS,
WICKLOW.

REFERENCE IN REGISTER
WPL 67

TO: Quality Ceramics (Arklow) Limited,
 South Quay,
 Arklow,
 Co. Wicklow.

PREMISES: Quality Ceramics (Arklow) Limited,
 South Quay,
 Arklow,
 Co. Wicklow.

DISCHARGE: Treated Trade Effluent.

LICENCE CONDITIONS

1. General Layout and Operation

- 1.1 This Licence shall be in respect of the discharge of treated trade effluent only, from the premises of Quality Ceramics (Arklow) Limited, South Quay, Arklow, Co. Wicklow to the Avoca River via a single authorised discharge point.
- 1.2 The premises shall be laid out, operated and maintained in such a manner as to prevent the discharge of any polluting matter either to groundwater or surface water, other than the discharge of the adequately treated trade effluent to the Avoca River.
- 1.3 Uncontaminated water from roofs and clean ground surfaces shall be separately collected and discharged to the surface water drains on site. In the event that such roofs and ground surfaces become contaminated, the water draining from them shall be considered as trade effluent and directed to the effluent treatment plant for treatment.

- 1.4 The effluent treatment plant shall be operated and maintained in such manner as to ensure the discharge of treated effluent is in accordance with the volume and concentration limits set out in Conditions 2.1 and 2.2.
- 1.5 Minimal quantities of detergents and sanitisers shall be used, all of which shall be biodegradable.
- 1.6 All oil storage tanks located above ground shall be provided with adequately designed bund systems complete with impervious bases. The filling and off-take points shall be located within the bunds.
- 1.7 The effluent treatment area shall be maintained in a tidy and safe condition. No offensive odours shall be allowed to persist in the vicinity of the treatment area.
- 1.8 Adequate effluent balancing facilities shall be provided and maintained to ensure effective effluent treatment. No overflow from the balancing tank(s) shall bypass the effluent treatment plant.
- 1.9 The Licensee shall ensure that the transport and storage of clays and other raw materials are conducted in such a way to prevent fugitive discharges to the environment. The Licensee shall consult with the Arklow Harbour Commissioners and Vitra Tiles (Ireland) Limited to enable joint proposals to be drawn-up by the two companies for the removal and disposal of clay deposits from the riverbed resulting from their previously uncontrolled discharges to the Avoca River. The proposals shall be submitted for approval within 2 months of the date of being requested to do so by the Licensing Authority, and carried out at the joint expense of Quality Ceramics Arklow Limited and Vitra Tiles (Ireland) Limited within 6 months of date of the approval.

2. Effluent Volume and Characteristics

- 2.1 The treated effluent from the effluent treatment plant shall be uniformly discharged over a 12-hour period, 5 days a week. The total volume of the treated effluent discharged to the nearby river shall not exceed 20 m³/day subject to a maximum flow rate of 5 m³/hour.
- 2.2 The treated effluent discharged from the effluent treatment plant to the Avoca River shall comply with the quality standards set out in respect of the determinands table 1 below.

Table 1

DETERMINAND	EMMISSION LIMIT VALUE
pH	6 to 9
Temperature	Ambient
BOD ₅	< 20 mg/l O ₂
COD	< 200 mg/l O ₂
Suspended Solids	< 30 mg/l
Total Ammoniacal Nitrogen	< 10 mg/l N
Nitrate	< 35 mg/l N
Orthophosphate	< 2 mg/l P
Fats/oils/grease	< 20 mg/l
Total Copper	< 1 mg/l Cu
Total Zinc	< 1 mg/l Zn
Total Iron	< 1 mg/l Fe
Total Aluminium	< 1 mg/l Al

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

3. Site Drainage, Effluent Treatment Plant and Sludge Treatment Plant

- 3.1 The routes of all the trade effluent from their origins in the factory to the effluent treatment plant and from there to the Avoca River shall be described on appropriately scaled colour-coded drawings and submitted to the Licensing Authority for approval within two months of the date of issue of this licence.
- 3.2 The routes of all the surface water drainage from their origins in the factory to the Avoca River shall be described on appropriately scaled colour-coded drawings and submitted for approval to the Licensing Authority within two months of the date of issue of this licence.
- 3.3 Where fugitive discharges are suspected, they shall be fully investigated to find their origins and corrective actions shall be taken to eliminate them. The details and results of any such proposed investigations and proposed corrective actions shall be submitted for the approval of the Licensing Authority within 2 months of the dates that the suspected fugitive discharges have come or have been brought to the attention of the Licensee.

4. Effluent Treatment Plant and Sludge Treatment Plant Maintenance

4.1 The Licensee shall inform the Licensing Authority of the names, addresses and telephone numbers of the nominated person(s) who shall be trained and have responsibility for the routine operation and maintenance of the effluent treatment plant and sludge treatment plant within two months of the date of issue of this Licence. The Licensee shall inform the Licensing Authority about the details of any rotation-system in place for the above purpose. The Licensee shall make provision for substitute trained persons as may be necessary during the absence of the nominated persons.

4.2 The Licensee shall enter into service contracts with a competent independent engineering/environmental consultant for the long-term maintenance of the effluent treatment plant and the sludge treatment plant. A copy of the contract document shall be submitted to and agreed with the Licensing Authority within two months of the date of issue of this Licence.

4.3 The aforementioned contract shall provide for at least two visits to the effluent treatment plant and sludge treatment plant each year as well as for emergency call-outs. A copy of each service and maintenance report shall be submitted to the Licensing Authority within one month of the date of the report becoming available.

4.4 The Licensee shall ensure that the nominated and trained persons receive detailed instruction and training about the routine operation and maintenance of the effluent treatment plant and sludge treatment plant from the manufacturer/supplier of the plants. The Licensee shall also ensure that the nominated and substitute trained persons receive instruction manuals detailing the operation and maintenance of the effluent and sludge treatment plants.

5. Provision of Monitoring Stations

5.1 The Licensee shall provide safe, permanent, unhindered and immediate access to the following sampling point locations: -

Effluent: A sampling chamber shall be provided for the taking of grab and composite samples of the effluent before discharge to the Avoca River. The Licensing Authority shall be facilitated in order that composite samples of the effluent being discharged may be taken and the flow-rate and total daily volume of the effluent being discharged may be measured:

Receiving water: Safe, permanent, unhindered and immediate access to the stream shall be provided at point of discharge to the stream, 10m

upstream and 25-100m downstream of the point of discharge to the stream.

The exact location of the sampling points shall be clearly marked on a map and agreed with the Licensing Authority within two months of the date of issue of this licence.

Free access by Authorised Officers of the Licensing Authority and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 shall be provided at any reasonable time.

6. Monitoring Regime

- 6.1 The Licensee shall install, calibrate and maintain a suitable flow meter and recorder on the effluent discharge line from the effluent treatment plant to the Avoca River and record the hourly flow-rate and daily discharge volume.

The meter and recorder shall be calibrated and certificates of calibration shall be forwarded to the Licensing Authority within six months of the date of issue of this Licence. Further such certificates shall be submitted on request.

- 6.2 The Licensee shall install, calibrate and maintain a suitable automatic composite sampler and recorder on the effluent discharge line from the effluent treatment plant to the Avoca River.

The sampler and recorder shall be calibrated and certificates of calibration shall be forwarded to the Licensing Authority within six months of the date of issue of this Licence. Further such certificates shall be submitted on request.

- 6.3 The Licensee shall arrange to have representative samples of the effluent taken from sampling chamber and tested daily in respect of the determinands listed in table 2 below:-

Table 2

DETERMINAND	Unit of Expression
pH	pH Unit
Temperature	°C

- 6.4 In addition the Licensee shall arrange to have a representative time-paced or flow proportional composite sample of the effluent taken from sampling chamber over a 12-hour period and tested at least weekly in respect of the determinands listed in table 3 below:-

Table 3

DETERMINAND	Unit of Expression
Suspended solids	mg/l

- 6.5 In addition the Licensee shall arrange to have a representative time-paced or flow proportional composite sample of the effluent taken from sampling chamber over a 12-hour period and tested at least monthly in respect of the determinands listed in table 4 below:-

Table 4

DETERMINAND	Unit of Expression
BOD ₅	mg/l O ₂

- 6.6 In addition the Licensee shall arrange to have a representative time-paced or flow proportional composite sample of the effluent taken from sampling chamber over a 12-hour period and tested at least quarterly in respect of the determinands listed in table 5 below:-

Table 5

DETERMINAND	Unit of Expression
Total Ammoniacal Nitrogen	mg/ N
Nitrate	mg/l N
Total Copper	mg/l Cu
Total Zinc	mg/l Zn
Total Iron	mg/l Fe
Total Aluminium	mg/l Al
C.O.D	mg/l O ₂
Orthophosphate	mg/l P
Fats/Oils/Grease	mg/l

7. Solid Waste Storage and Disposal

- 7.1 Sludge arising from the effluent treatment plant and sludge treatment plant and other solid wastes arising from the factory shall be disposed/recycled offsite and in accordance with the provisions of the Waste Management Act 1996 or other relevant legislation.

The Licensee shall inform and agree with the Licensing Authority the manner in which it is proposed to dispose/recycle of the solid waste and the sludge within two months of the date of issue of this Licence.

- 7.2 At the end of each calendar year the Licensee shall produce annual report detailing how and where exactly the solid waste and sludge were disposed of/recycled in accordance with provisions of the Waste Management Act 1996 or other relevant legislation. The reports shall

be submitted to the Licensing Authority within four weeks after the end of the calendar year.

8. Monitoring Records

- 8.1 Legible traceable records of all flow, sampling and analytical data (with appropriate units shown) referred to in conditions 6.1 to 6.6 (the monitoring regime) shall be maintained and submitted to the Licensing Authority within two weeks of the month or period to which the analytical data relates.
- 8.2 The Licensee shall maintain legible traceable records of solid waste and sludge waste disposal activities; date of disposal, quantity and description of waste, waste disposal contractor and destination of the waste disposed.
- 8.3 The records referred to in conditions 8.1 and 8.2 shall also be made available by the Licensee for inspection by Authorised Officers of the Licensing Authority and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 and Section 14 of the Waste Management Act, 1996 at any time on request.

9. Access by Authorised Personnel

- 9.1 Authorised officers of the Licensing Authority or its agents and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 shall have access to the Licensee's effluent treatment plant and sludge treatment plant at all reasonable times including if necessary, times other than normal working hours, and shall also have access to the effluent treatment and sludge treatment plants and to the site in general at all times in the event of an emergency.
- 9.2 Details of contact personnel (referred to in condition 4.1), including addresses and telephone numbers shall be made available to the Licensing Authority for contact in the event of an emergency within two months of the date of issue of this Licence. The Licensee shall ensure that at least one such person shall be available for contact at all times.

10. Monitoring Contribution to the Licensing Authority

- 10.1 The Licensee shall pay on demand an annual contribution of 1300 euro towards the Licensing Authority's (Wicklow County Council) monitoring costs. The subsequent annual contributions shall be reckoned on the initial sum of 1300 euro when adjusted in accordance with the consumer price index for the intervening period.

11. Notification to the Licensing Authority

11.1 The Licensee shall notify the Licensing Authority in writing of any changes in ownership of the premises, or of the company name or of the personnel referred to in conditions 4.1 and 9.2 of this Licence.

11.2 The Licensee shall notify the Licensing Authority in advance of any proposed change in the operation of the premises, which would cause, or be likely to cause a material alteration in the nature, or increase in the volume of the effluent discharged.

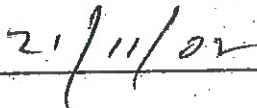
11.3 The Licensee shall notify the Licensing Authority of any accidental discharge, spillage or deposit of polluting matter which enters or is likely to enter the Avoca River or groundwater as soon as practicable after the occurrence, in accordance with Section 14 of the Local Government (Water Pollution) Act.

11.4 The Licensee shall give advance notice of one week to the Licensing Authority of the intended shipment of clays and other bulk raw materials into Arklow Harbour which are destined for their factory.

SIGNED: _____


PHILIP DUFFY,
A/DIRECTOR OF ENVIRONMENTAL AND
SANITARY SERVICES.

DATED: _____



NOTE:

An Appeal against the above decision may be made before the expiration of one month from the date of the above decision. Such appeal shall (a) be made in writing, (b) state the subject matter of the appeal, (c) state the grounds of appeal, (d) state the reference number of the Licence, and (e) state in full the grounds on which they are based. An appeal which does not comply with these requirements shall be invalid.

Appeals should be addressed to The Secretary, An Bord Pleanála, Floor 3 Blocks 6 and 7, Irish Life Centre, Lower Abbey Street, Dublin 1 and should be accompanied with a fee of €126.00.

Local Government (Water Pollution) Act, 1977
REGISTER OF LICENCES UNDER SECTION 4
For the Discharge of Trade and Sewerage Effluents to Waters
LOCAL AUTHORITY: WICKLOW COUNTY COUNCIL

1. *Reference number of the licence:* WPL 68
2. *Name and address of the applicant:* Vitra Tiles (Ireland) Ltd., South Quay, Arklow, Co. Wicklow
3. *Location of the premises, works, apparatus or drainage pipe from which effluent is discharged:* South Quay, Arklow, Co. Wicklow
4. *Description of Waters to which Discharge is made:* Avoca River
5. *Location of point(s) of discharge:* Not specified
6. *Description of effluent:* Trade effluent
7. *Date of grant of licence:* 22nd January 2003
8. *Condition attached to licence:* Conditions numbered 1 to 11.4
9. *If licence is revised, reference no. of previous licence:*
10. *Notification by An Bord Pleanála of appeal:*
 - i. *Date:*
 - ii. *Board's reference:*
11. *Result of appeal:*

STATUS: CURRENT INVESTIGATE EPA IPPC?

LOCAL GOVERNMENT (WATER POLLUTION) ACTS, 1977 - 1990
SECTION 4 DISCHARGE LICENCE

WICKLOW COUNTY COUNCIL
COUNTY BUILDINGS,
WICKLOW.

REFERENCE IN REGISTER
WPL 68

To: Vitra Tiles (Ireland) Limited,
South Quay,
Arklow,
Co. Wicklow.

PREMISES: Vitra Tiles (Ireland) Limited,
South Quay,
Arklow,
Co. Wicklow.

DISCHARGE: Treated Trade Effluent.

LICENCE CONDITIONS

1. General Layout and Operation

- 1.1 This Licence shall be in respect of the discharge of treated trade effluent only, from the premises of Vitra Tiles (Ireland) Limited, South Quay, Arklow, Co. Wicklow to the Avoca River via a single authorised discharge point.
- 1.2 The premises shall be laid out, operated and maintained in such a manner as to prevent the discharge of any polluting matter either to groundwater or surface water, other than the discharge of the adequately treated trade effluent to the Avoca River.
- 1.3 Uncontaminated water from roofs and clean ground surfaces shall be separately collected and discharged to the surface water drains on site. In the event that such roofs and ground surfaces become contaminated, the water draining from them shall be considered as trade effluent and directed to the effluent treatment plant for treatment.

- 1.4 The effluent treatment plant shall be operated and maintained in such manner as to ensure the discharge of treated effluent is in accordance with the volume and concentration limits set out in Conditions 2.1 and 2.2.
- 1.5 Minimal quantities of detergents and sanitisers shall be used; all of which shall be biodegradable.
- 1.6 All oil storage tanks located above ground shall be provided with adequately designed bund systems complete with impervious bases. The filling and off-take points shall be located within the bunds.
- 1.7 The effluent treatment area shall be maintained in a tidy and safe condition. No offensive odours shall be allowed to persist in the vicinity of the treatment area.
- 1.8 Adequate effluent balancing facilities shall be provided and maintained to ensure effective effluent treatment. No overflow from the balancing tank(s) shall bypass the effluent treatment plant.
- 1.9 The Licensee shall ensure that the transport and storage of clays and other raw materials are conducted in such a way to prevent fugitive discharges to the environment. The Licensee shall consult with the Arklow Harbour Commissioners and Quality Ceramics (Arklow) Limited to enable joint proposals to be drawn-up by the two companies for the removal and disposal of clay deposits from the riverbed resulting from their previously uncontrolled discharges to the Avoca River. The proposals shall be submitted for approval within 2 months of the date of being requested to do so by the Licensing Authority, and carried out at the joint expense of Quality Ceramics (Arklow) Limited and Vitra Tiles Limited within 6 months of date of the approval.

2. Effluent Volume and Characteristics

- 2.1 The treated effluent from the effluent treatment plant shall be uniformly discharged over a 12-hour period, 5 days a week. The total volume of the treated effluent discharged to the nearby river shall not exceed 20 m³/day subject to a maximum flow rate of 5 m³/hour.
- 2.2 The treated effluent discharged from the effluent treatment plant to the Avoca River shall comply with the quality standards set out in respect of the determinands table 1 below.

Table 1

DETERMINAND	EMMISSION LIMIT VALUE
pH	6 to 9
Temperature	< 25 °C
BOD ₅	< 20 mg/l O ₂
COD	< 200 mg/l O ₂
Suspended Solids	< 30 mg/l
Total Ammoniacal Nitrogen	< 10 mg/l N
Nitrate	< 35 mg/l N
Orthophosphate	< 2 mg/l P
Fats/oils/grease	< 20 mg/l
Total Copper	< 1 mg/l
Total Zinc	< 1 mg/l
Total Iron	< 1 mg/l
Total Aluminium	< 1 mg/l

- 2.3 Fats, oils and grease shall not be present in quantities in the effluent discharge to the nearby stream such as to: -
- form visible films on the surface of the river,
 - form coatings on bed of the river, water courses, benthic biota or food sources,
 - cause deleterious effects on aquatic life,
 - impart a detectable taste or odour to edible aquatic species.

3. Site Drainage, Effluent Treatment Plant and Sludge Treatment Plant

- The routes of all the trade effluent from their origins in the factory to the effluent treatment plant and from there to the Avoca River shall be described on appropriately scaled colour-coded drawings and submitted to the Licensing Authority for approval within two months of the date of issue of this licence.
- The routes of all the surface water drainage from their origins in the factory to the Avoca River shall be described on appropriately scaled colour-coded drawings and submitted for approval to the Licensing Authority within two months of the date of issue of this licence.
- Where fugitive discharges are suspected, they shall be fully investigated to find their origins and corrective actions shall be taken to eliminate them. The details and results of any such proposed investigations and proposed corrective actions shall be submitted for the approval of the Licensing Authority within 2 months of the dates that the suspected fugitive discharges have come or have been brought to the attention of the Licensee.

4. Effluent Treatment Plant and Sludge Treatment Plant Maintenance

- 4.1 The Licensee shall inform the Licensing Authority of the names, addresses and telephone numbers of the nominated person(s) who shall be trained and have responsibility for the routine operation and maintenance of the effluent treatment plant and sludge treatment plant within two months of the date of issue of this Licence. The Licensee shall inform the Licensing Authority about the details of any rotation-system in place for the above purpose. The Licensee shall make provision for substitute trained persons as may be necessary during the absence of the nominated persons.
- 4.2 The Licensee shall enter into service contracts with a competent independent engineering/environmental consultant for the long-term maintenance of the effluent treatment plant and the sludge treatment plant. A copy of the contract document shall be submitted to and agreed with the Licensing Authority within two months of the date of issue of this Licence.
- 4.3 The aforementioned contract shall provide for at least two visits to the effluent treatment plant and sludge treatment plant each year as well as for emergency call-outs. A copy of each service and maintenance report shall be submitted to the Licensing Authority within one month of the date of the report becoming available.
- 4.4 The Licensee shall ensure that the nominated and trained persons receive detailed instruction and training about the routine operation and maintenance of the effluent treatment plant and sludge treatment plant from the manufacturer/supplier of the plants. The Licensee shall also ensure that the nominated and substitute trained persons receive instruction manuals detailing the operation and maintenance of the effluent and sludge treatment plants.

5. Provision of Monitoring Stations

- 5.1 The Licensee shall provide safe, permanent, unhindered and immediate access to the following sampling point locations: -

Effluent: A sampling chamber shall be provided for the taking of grab and composite samples of the effluent before discharge to the Avoca River. The Licensing Authority shall be facilitated in order that composite samples of the effluent being discharged may be taken and the flow-rate and total daily volume of the effluent being discharged may be measured.

Receiving water: Safe, permanent, unhindered and immediate access to the stream shall be provided at point of discharge to the stream, 10m upstream and 25-100m downstream of the point of discharge to the stream.

The exact location of the sampling points shall be clearly marked on a map and agreed with the Licensing Authority within two months of the date of issue of this licence.

Free access by Authorised Officers of the Licensing Authority and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 shall be provided at any reasonable time.

6. Monitoring Regime

- 6.1 The Licensee shall install, calibrate and maintain a suitable flow meter and recorder on the effluent discharge line from the effluent treatment plant to the Avoca River and record the hourly flow-rate and daily discharge volume.

The meter and recorder shall be calibrated and certificates of calibration shall be forwarded to the Licensing Authority within six months of the date of issue of this Licence. Further such certificates shall be submitted on request.

- 6.2 The Licensee shall install, calibrate and maintain a suitable automatic composite sampler and recorder on the effluent discharge line from the effluent treatment plant to the Avoca River.

The sampler and recorder shall be calibrated and certificates of calibration shall be forwarded to the Licensing Authority within six months of the date of issue of this Licence. Further such certificates shall be submitted on request.

- 6.3 The Licensee shall arrange to have representative samples of the effluent taken from sampling chamber and tested daily in respect of the determinands listed in table 2 below:-

Table 2

DETERMINAND	Unit of Expression
pH	pH Unit
Temperature	°C

- 6.4 In addition the Licensee shall arrange to have a representative time-paced or flow proportional composite sample of the effluent taken from

sampling chamber over a 12-hour period and tested at least weekly in respect of the determinands listed in table 3 below:-

Table 3

DETERMINAND	Unit of Expression
Suspended solids	mg/l

- 6.5 In addition the Licensee shall arrange to have a representative time-paced or flow proportional composite sample of the effluent taken from sampling chamber over a 12-hour period and tested at least monthly in respect of the determinands listed in table 4 below:-

Table 4

DETERMINAND	Unit of Expression
BOD ₅	mg/l O ₂

- 6.6 In addition the Licensee shall arrange to have a representative time-paced or flow proportional composite sample of the effluent taken from sampling chamber over a 12-hour period and tested at least quarterly in respect of the determinands listed in table 5 below:-

Table 5

DETERMINAND	Unit of Expression
Total Ammoniacal Nitrogen	mg/ N
Nitrate	mg/l N
Total Copper	mg/l Cu
Total Zinc	mg/l Zn
Total Iron	mg/l Fe
Total Aluminium	mg/l Al
C.O.D	mg/l O ₂
Orthophosphate	mg/l P
Fats/Oils/Grease	mg/l

7. Solid Waste Storage and Disposal

- 7.1 Sludge arising from the effluent treatment plant and sludge treatment plant and other solid wastes arising from the factory shall be disposed/recycled offsite and in accordance with the provisions of the Waste Management Act 1996 or other relevant legislation.

The Licensee shall inform and agree with the Licensing Authority the manner in which it is proposed to dispose/recycle of the solid waste and the sludge within two months of the date of issue of this Licence.

- 7.2 At the end of each calendar year the Licensee shall produce annual report detailing how and where exactly the solid waste and sludge were

disposed of/recycled in accordance with provisions of the Waste Management Act 1996 or other relevant legislation. The reports shall be submitted to the Licensing Authority within four weeks after the end of the calendar year.

8. Monitoring Records

- 8.1 Legible traceable records of all flow, sampling and analytical data (with appropriate units shown) referred to in conditions 6.1 to 6.6 (the monitoring regime) shall be maintained and submitted to the Licensing Authority within two weeks of the month or period to which the analytical data relates.
- 8.2 The Licensee shall maintain legible traceable records of solid waste and sludge waste disposal activities; date of disposal, quantity and description of waste, waste disposal contractor and destination of the waste disposed.
- 8.3 The records referred to in conditions 8.1 and 8.2 shall also be made available by the Licensee for inspection by Authorised Officers of the Licensing Authority and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 and Section 14 of the Waste Management Act, 1996 at any time on request.

9. Access by Authorised Personnel

- 9.1 Authorised officers of the Licensing Authority or its agents and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 shall have access to the Licensee's effluent treatment plant and sludge treatment plant at all reasonable times including if necessary, times other than normal working hours, and shall also have access to the effluent treatment and sludge treatment plants and to the site in general at all times in the event of an emergency.
- 9.2 Details of contact personnel (referred to in condition 4.1), including addresses and telephone numbers shall be made available to the Licensing Authority for contact in the event of an emergency within two months of the date of issue of this Licence. The Licensee shall ensure that at least one such person shall be available for contact at all times.

10. Monitoring Contribution to the Licensing Authority

- 10.1 The Licensee shall pay on demand an annual contribution of 1300 euro towards the Licensing Authority's (Wicklow County Council) monitoring costs. The subsequent annual contributions shall be reckoned on the

initial sum of 1300 euro when adjusted in accordance with the consumer price index for the intervening period.

11. Notification to the Licensing Authority

- 11.1 The Licensee shall notify the Licensing Authority in writing of any changes in ownership of the premises, or of the company name or of the personnel referred to in conditions 4.1 and 9.2 of this Licence.
- 11.2 The Licensee shall notify the Licensing Authority in advance of any proposed change in the operation of the premises, which would cause, or be likely to cause a material alteration in the nature, or increase in the volume of the effluent discharged.
- 11.3 The Licensee shall notify the Licensing Authority of any accidental discharge, spillage or deposit of polluting matter which enters or is likely to enter the Avoca River or groundwater as soon as practicable after the occurrence, in accordance with Section 14 of the Local Government (Water Pollution) Act.
- 11.4 The Licensee shall give advance notice of one week to the Licensing Authority of the intended shipment of clays and other bulk raw materials into Arklow Harbour which are destined for their factory.

SIGNED:



**DIRECTOR OF ENVIRONMENTAL AND
SANITARY SERVICES.**

DATED:



NOTE:

An Appeal against the above decision may be made before the expiration of one month from the date of the above decision. Such appeal shall (a) be made in writing, (b) state the subject matter of the appeal, (c) state the grounds of appeal, (d) state the reference number of the Licence, and (e) state in full the grounds on which they are based. An appeal which does not comply with these requirements shall be invalid.

Appeals should be addressed to The Secretary, An Bord Pleanála, Floor 3 Blocks 6 and 7, Irish Life Centre, Lower Abbey Street, Dublin 1 and should be accompanied with a fee of €126.00.

Local Government (Water Pollution) Act, 1977
REGISTER OF LICENCES UNDER SECTION 4
For the Discharge of Trade and Sewerage Effluents to Waters
LOCAL AUTHORITY: WICKLOW COUNTY COUNCIL

1. *Reference number of the licence:* WPL 69
 2. *Name and address of the applicant:* Department of Defence, McKee Barracks, Dublin 7
 3. *Location of the premises, works, apparatus or drainage pipe from which effluent is discharged:* Kilbride Military Camp, Brittas, Co. Wicklow
 4. *Description of Waters to which Discharge is made:* Shankill River
 5. *Location of point(s) of discharge:* Not specified
 6. *Description of effluent:* sewage effluent
 7. *Date of grant of licence:* 19th August 2003
 8. *Condition attached to licence:* Conditions numbered 1 to 11.5 as set out in the Licence
 9. *If licence is revised, reference no. of previous licence:*
 10. *Notification by An Bord Pleanála of appeal:*
 - i. *Date:*
 - ii. *Board's reference:*
 11. *Result of appeal:*
- STATUS: CURRENT

**LOCAL GOVERNMENT (WATER POLLUTION) ACTS, 1977 - 1990
SECTION 4 DRAFT DISCHARGE LICENCE**

**WICKLOW COUNTY COUNCIL
COUNTY BUILDINGS,
WICKLOW.**

REFERENCE IN REGISTER

WPL 69

TO:

**Department of Defence,
McKee Barracks,
Blackhorse Avenue,
Dublin 7.**

TELEPHONE NO:

01-6706472

PREMISES:

**Kilbride Military Camp,
Brittas,
Co. Wicklow.**

DISCHARGE TYPE:

Sewage Effluent.

LICENCE CONDITIONS

1. General Layout and Operation

- 1.1 This Licence shall be in respect of the discharge of treated sewage effluent from the Kilbride Military Camp, Brittas, Co. Wicklow, to the Shankill River via a single authorised discharge point.
- 1.2 The premises of the Kilbride Military Camp shall be laid out, operated and maintained in such a manner as to prevent the discharge of any polluting matter either to groundwater or surface water, other than the discharge of the treated sewage effluent to the Shankill River after appropriate treatment.
- 1.3 Uncontaminated roof and surface water shall be separately collected and discharged to surface water drains or soakaways on site.

- 1.4 The sewage treatment plant shall be operated and maintained in such manner as to ensure that the discharge of the treated sewage effluent is in accordance with the volume and concentration limits set out in Conditions 2.1 and 2.2.
- 1.5 All oil storage tanks located above ground shall be provided with an adequately designed bund system complete with impervious base. Filling and off-take points shall be located within the bund.
- 1.6 The sewage treatment area shall be maintained in a tidy and safe condition. No offensive odours or nuisances shall be allowed to persist in the vicinity of the treatment area.
- 1.7 Grease removal devices shall be installed on the waste pipe(s) from the kitchen area prior to the collection of foul sewage. These devices shall be checked regularly, emptied, cleaned and maintained as required.

2. Effluent Volume and Quality

- 2.1 The treated effluent from the sewage treatment plant shall normally be discharged uniformly over a 24-hour period, 7 days a week. The total volume of the treated effluent discharged to the Shankill River shall not exceed 53 m³/day subject to a maximum flow rate of 7 m³/hour.
- 2.2 The treated effluent discharged from the sewage treatment plant to the Shankill River shall comply with the quality standards set out in respect of the determinands in table 1 below.

Table 1

DETERMINAND	EMMISSION LIMIT VALUE
pH	6 to 9
Temperature	< 25 °C
BOD ₅	< 10 mg/l O ₂
COD	< 50 mg/l O ₂
Suspended Solids	< 15 mg/l
Total Ammoniacal Nitrogen	< 10 mg/l N
Nitrate	< 35 mg/l N
Phosphate	< 2 mg/l P
Fats/oils/grease	< 20 mg/l
Detergents (MBAS)	< 1 mg/l

- 2.3 Fats, oils and grease shall not be present in quantities in the effluent discharge to the Shankill River such as to: -
 - (i) form visible films on the surface of the river,
 - (ii) form coatings on bed of the river, benthic biota or food sources,
 - (iii) cause deleterious effects on aquatic life,
 - (iv) impart a detectable taste or odour to edible aquatic species.

3. Effluent Treatment

- 3.1 The sewage treatment plant shall be designed and installed as per drawings, calculations and descriptions submitted in the application.

4. Treatment Plant Maintenance

- 4.1 The Licensee shall inform the Licensing Authority of the names, addresses and telephone numbers of the nominated person(s) who shall be trained and have responsibility for the routine operation and maintenance of the effluent treatment plant within two months of the date of issue of this Licence. The Licensee shall inform the Licensing Authority about the details of any rotation-system in place for the above purpose. The Licensee shall make provision for substitute trained persons as may be necessary during the absence of the nominated persons.
- 4.2 The Licensee shall enter into service contracts with a competent independent engineering/environmental consultant for the long-term maintenance of the effluent treatment plant. A copy of the contract document shall be submitted to and agreed with the Licensing Authority within two months of the date of issue of this Licence.
- 4.3 The aforementioned contract shall provide for at least two visits to the effluent treatment plant each year as well as for emergency call-outs. A copy of each service and maintenance report shall be submitted to the Licensing Authority within one month of the date of the report becoming available.
- 4.4 The Licensee shall ensure that the nominated and trained persons receive detailed instruction and training about the routine operation and maintenance of the effluent treatment plant from the manufacturer/supplier of the plant. The Licensee shall also ensure that the nominated and substitute trained persons receive instruction manuals detailing the operation and maintenance of the effluent treatment plant.

5. Provision of Monitoring Stations

- 5.1 The Licensee shall provide safe, permanent, unhindered and immediate access to the sampling point locations.

Sewage Effluent: A suitable chamber shall be provided for sampling the treated sewage effluent before discharge to the Shankill River. The sampling chamber shall facilitate flow monitoring, grab sampling and composite sampling of the treated sewage effluent.

Receiving Water: Safe and unhindered access to the Shankill River shall be provided to the satisfaction of the Licensing Authority within two months of the date of issue of this Licence.

Free access by Authorised Officers of the Licensing Authority and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 shall be provided at any time on request.

6. Monitoring Regime

- 6.1 The Licensee shall install, calibrate and maintain a suitable flow meter and recorder on the treated sewage effluent discharge pipe to the Shankill River, and record the hourly flow rate and the daily discharge volume.

The meter shall be calibrated and a certificate of calibration shall be forwarded to the Licensing Authority within six months of the date of issue of this Licence. Further such certificates shall be submitted on request.

- 6.2 The Licensee shall arrange to have representative samples of the treated sewage effluent taken from the sampling chamber and tested at least monthly from the 1st April to the 30th September period, and trimonthly from the 1st October to the 31st March period of each year, in respect of the determinands listed in table 2 below: -

Table 2

DETERMINAND	Unit of Expression
pH	pH Unit
Temperature	°C
BOD ₅	mg/l O ₂
Total Ammoniacal Nitrogen	mg/l N
Orthophosphate	mg/l P
Suspended Solids	mg/l

- 6.3 The Licensee shall arrange to have representative samples of the treated sewage effluent taken from the sampling chamber and tested at least trimonthly in respect of the determinands listed in table 3 below: -

Table 4

DETERMINAND	Unit of Expression
COD	mg/l O ₂
Total Ammoniacal Nitrogen	mg/l N
Fats/oils/grease	mg/l
Nitrate	mg/l N
Detergents (MBAS)	mg/l

6.4 The Licensee shall carry out any monitoring of the untreated/in-process/treated wastewater as is necessary to control the treatment process to ensure compliance with the effluent quality standards stipulated in condition 2.2 of this licence.

7. Solid Waste Storage and Disposal

7.1 The Licensee shall inform and agree the manner in which it they propose to dispose of the sludge and the domestic waste with the Local Authority within two months of the date of issue of this Licence.

8. Monitoring Records

8.1 Legible traceable records of all flow and analytical data (with appropriate units shown) referred to in condition 6 (the monitoring regime) shall be maintained and submitted to the Licensing Authority within two weeks of the month or period to which they relate.

8.2 The Licensee shall maintain legible traceable records of all solid waste disposal activities; date of disposal, quantity and description of waste, waste disposal contractor and destination of the waste disposed.

8.3 The records referred to in conditions 8.1 and 8.2 shall also be available by the Licensee for inspection by Authorised Officers of the Licensing Authority, and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 or under Section 14 of the Waste Management Act, 1996 at any time on request.

9. Access by Authorised Personnel

9.1 Authorised officers of the Licensing Authority or its agents and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 shall have access to the Licensee's sewage treatment and monitoring facilities at all reasonable times including if necessary, times other than normal working hours, and shall also have access to the sewage treatment plant, and to the site in general, at all times in the event of an emergency.

9.2 Details of contact personnel (referred to in condition 4.1), including addresses and telephone numbers shall be made available to the Licensing Authority for contact in the event of an emergency within two months of the date of issue of the Licence. At least one such person shall be available for contact at all times.

10. Monitoring Contribution to the Licensing Authority

10.1 The Licensee shall pay on demand an annual contribution of 2100 euro towards the Licensing Authority's (Wicklow County Council) monitoring costs. The subsequent annual contributions shall be reckoned on the initial sum of 2100 euro when adjusted in accordance with the consumer price index for the intervening period.

11. Notification to the Licensing Authority

11.1 The Licensee shall notify the Licensing Authority in writing of any changes of ownership of the premises or of the company name or of the personnel referred to in conditions 4.1 and 9.2 of this Licence.

11.2 The Licensee shall notify the Licensing Authority in writing and in advance of any proposed change in the operation of the premises, which could cause a material alteration in the nature, or an increase in the volume of the effluent discharged.

11.3 The Licensee shall notify the Licensing Authority in writing of when the new sewage treatment plant has been commissioned.

11.4 The Licensee shall inform the Licensing Authority if the sewage treatment plant breaks down and also of what corrective action has been/will be taken to prevent pollution.

11.5 The Licensee shall notify the Licensing Authority of any accidental discharge, spillage or deposit of polluting matter, which enters or is likely to enter the surface water drains, the groundwater or to the Shankill River, as soon as practicably possible, in accordance with Section 14 of the Local Government (Water Pollution) Act.

SIGNED:



PHILIP DUFFY,
A/DIRECTOR OF ENVIRONMENTAL AND
SANITARY SERVICES.

DATED:

19th August, 2003

NOTE:

An Appeal against the above decision may be made before the expiration of one month from the date of the above decision. Such appeal shall (a) be made in writing, (b) state the subject matter of the appeal, (c) state the grounds of appeal, (d) state the reference number of the Licence, and (e) state in full the grounds on which they are based. An appeal which does not comply with these requirements shall be invalid.

Appeals should be addressed to The Secretary, An Bord Pleanála, Floor 3 Blocks 6 and 7, Irish Life Centre, Lower Abbey Street, Dublin 1 and should be accompanied with a fee of €126.00.

Local Government (Water Pollution) Act, 1977
REGISTER OF LICENCES UNDER SECTION 4
For the Discharge of Trade and Sewerage Effluents to Waters
LOCAL AUTHORITY: WICKLOW COUNTY COUNCIL

1. *Reference number of the licence:* WPL 70
2. *Name and address of the applicant:* Coillte, Leeson Lane, Dublin 2
3. *Location of the premises, works, apparatus or drainage pipe from which effluent is discharged:* Coillte Regional Research Office Building, Newtownmountkennedy
4. *Description of Waters to which Discharge is made:* to Groundwater via percolation areas
5. *Location of point(s) of discharge:* not specified
6. *Description of effluent:* Sewage effluent
7. *Date of grant of licence:* 19th August 2003
8. *Condition attached to licence:* Conditions numbered 1 to 11.4 as set out in the Licence
9. *If licence is revised, reference no. of previous licence:*
10. *Notification by An Bord Pleanála of appeal:*
 - i. *Date:*
 - ii. *Board's reference:*
11. *Result of appeal:*

STATUS: CURRENT

LOCAL GOVERNMENT (WATER POLLUTION) ACTS, 1977 - 1990
SECTION 4 DISCHARGE LICENCE

WICKLOW COUNTY COUNCIL
COUNTY BUILDINGS,
WICKLOW.

REFERENCE IN REGISTER
WPL 70

TO: **Coillte,
Leeson Lane,
Dublin 2.**

TELEPHONE NO: 01-6615666

PREMISES: **Coillte Regional Research Office Building,
Newtownmountkennedy,
Co. Wicklow.**

DISCHARGE TYPE: **Sewage Effluent.**

LICENCE CONDITIONS

1. General Layout and Operation

- 1.1 This Licence shall be in respect of the discharge of treated sewage effluent from the Coillte Regional Research Office Building, Newtownmountkennedy, Co. Wicklow, diffusely to groundwater via percolation areas.
- 1.2 The premises of the Coillte Regional Research Office Building shall be laid out, operated and maintained in such a manner as to prevent the discharge of any polluting matter either to groundwater or surface water, other than the diffuse discharge of the treated sewage effluent to groundwater after appropriate treatment.
- 1.3 Uncontaminated roof and surface water shall be separately collected and discharged to surface water drains or soakaways on site.
- 1.4 The sewage treatment plant shall be operated and maintained in such manner as to ensure that the discharge of the treated sewage effluent is in accordance with the volume and concentration limits set out in Conditions 2.1 and 2.2.
- 1.5 All oil storage tanks located above ground shall be provided with an adequately designed bund system complete with impervious base. Filling and off-take points shall be located within the bund.

- 1.6 The sewage treatment area shall be maintained in a tidy and safe condition. No offensive odours or nuisances shall be allowed to persist in the vicinity of the treatment area.
- 1.7 Grease removal devices shall be installed on the waste pipe(s) from the kitchen area prior to the collection of foul sewage. These devices shall be checked regularly, emptied, cleaned and maintained as required.

2. Effluent Volume and Quality

- 2.1 The treated effluent from the sewage treatment plant shall normally be discharged uniformly over a 24-hour period, 7 days a week. The total volume of the treated effluent discharged to the percolation area shall not exceed 11 m³/day subject to a maximum flow rate of 1.5 m³/hour.
- 2.2 The treated effluent discharged from the sewage treatment plant to the percolation area shall comply with the quality standards set out in respect of the determinands in table 1 below.

Table 1

DETERMINAND	EMMISSION LIMIT VALUE
pH	6 to 9
Temperature	< 25 °C
BOD ₅	< 20 mg/l O ₂
COD	< 100 mg/l O ₂
Suspended Solids	< 30 mg/l
Total Ammoniacal Nitrogen	< 20 mg/l N
Nitrate	< 35 mg/l N
Phosphate	< 12 mg/l P
Fats/oils/grease	< 20 mg/l
Detergents (MBAS)	< 1 mg/l

3. Effluent Treatment

- 3.1 The sewage treatment plant shall be designed and installed as per drawings, calculations and descriptions submitted with the application subject to modification of the percolation area to meet the design and layout out requirements as described in the EPA Wastewater Treatment Manuals Treatment Systems for Single Houses. In particular a minimum percolation trench of 320m length shall be provided, and the imported soil used to construct the percolation area shall be placed as set out in section 3.2.2. of the manual. A revised site layout plan showing the detail of the percolation area shall be submitted with two months of the date of issue of the licence.

4. Treatment Plant Maintenance

- 4.1 The Licensee shall inform the Licensing Authority of the names, addresses and telephone numbers of the nominated person(s) who shall be trained and have responsibility for the routine operation and maintenance of the effluent treatment plant within two months of the date of issue of this Licence. The

Licensee shall inform the Licensing Authority about the details of any rotation-system in place for the above purpose. The Licensee shall make provision for substitute trained persons as may be necessary during the absence of the nominated persons.

- 4.2 The Licensee shall enter into service contracts with a competent independent engineering/environmental consultant for the long-term maintenance of the effluent treatment plant. A copy of the contract document shall be submitted to and agreed with the Licensing Authority within two months of the date of issue of this Licence.
- 4.3 The aforementioned contract shall provide for at least two visits to the effluent treatment plant each year as well as for emergency call-outs. A copy of each service and maintenance report shall be submitted to the Licensing Authority within one month of the date of the report becoming available.
- 4.4 The Licensee shall ensure that the nominated and trained persons receive detailed instruction and training about the routine operation and maintenance of the effluent treatment plant from the manufacturer/supplier of the plant. The Licensee shall also ensure that the nominated and substitute trained persons receive instruction manuals detailing the operation and maintenance of the effluent treatment plant.

5. Provision of Monitoring Stations

- 5.1 The Licensee shall provide safe, permanent, unhindered and immediate access to the sampling point locations.

Sewage Effluent: A suitable chamber shall be provided for sampling the treated sewage effluent before discharge to the percolation area. The sampling chamber shall facilitate flow monitoring, grab sampling and composite sampling of the treated sewage effluent.

Free access by Authorised Officers of the Licensing Authority and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 shall be provided at any time on request.

6. Monitoring Regime

- 6.1 The Licensee shall install, calibrate and maintain a suitable water meter on the drinking water supply to the premises, and record the water meter readings on a weekly basis.

A certificate of calibration for the water meter shall be forwarded to the Licensing Authority within six months of the date of issue of this Licence.

Further such certificates shall be submitted on request.

In the event that this arrangement for estimating the daily volume of effluent being discharged fails to operate satisfactorily in the opinion of the Licensing Authority, then the said Authority shall reserve the right to insist on a suitable alternative.

- 6.2 The Licensee shall arrange to have representative samples of the treated sewage effluent taken from the sampling chamber and tested at least on a monthly basis between the 1st April and the 30th September, and at least once every three months between the 1st October and the 31st March, of each year, in respect of the determinands listed in table 2 below: -

Table 2

DETERMINAND	Unit of Expression
pH	pH Unit
Temperature	°C
BOD ₅	mg/l O ₂
Total Ammoniacal Nitrogen	mg/l N
Orthophosphate	mg/l P
Suspended Solids	mg/l

- 6.3 The Licensee shall arrange to have representative samples of the treated sewage effluent taken from the sampling chamber and tested at least trimonthly in respect of the determinands listed in table 3 below: -

Table 4

DETERMINAND	Unit of Expression
COD	mg/l O ₂
Total Ammoniacal Nitrogen	mg/l N
Fats/oils/grease	mg/l
Nitrate	mg/l N
Detergents (MBAS)	mg/l

- 6.4 The Licensee shall carry out any monitoring of the untreated/in-process/treated wastewater as is necessary to control the treatment process to ensure compliance with the effluent quality standards stipulated in condition 2.2 of this licence.

7. Solid Waste Storage and Disposal

- 7.1 The Licensee shall inform and agree the manner in which it they propose to dispose of the sludge and the domestic waste with the Local Authority within two months of the date of issue of this Licence.

8. Monitoring Records

- 8.1 Legible traceable records of all flow and analytical data (with appropriate units shown) referred to in condition 6 (the monitoring regime) shall be maintained and submitted to the Licensing Authority within two weeks of the month or period to which they relate.

8.2 The Licensee shall maintain legible traceable records of all solid waste disposal activities; date of disposal, quantity and description of waste, waste disposal contractor and destination of the waste disposed.

8.3 The records referred to in conditions 8.1 and 8.2 shall also be available by the Licensee for inspection by Authorised Officers of the Licensing Authority, and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 or under Section 14 of the Waste Management Act, 1996 at any time on request.

9. Access by Authorised Personnel

9.1 Authorised officers of the Licensing Authority or its agents and any other person authorised under Section 28 of the Local Government (Water Pollution) Act, 1977 shall have access to the Licensee's sewage treatment and monitoring facilities at all reasonable times including if necessary, times other than normal working hours, and shall also have access to the sewage treatment plant, and to the site in general, at all times in the event of an emergency.

9.2 Details of contact personnel (referred to in condition 4.1), including addresses and telephone numbers shall be made available to the Licensing Authority for contact in the event of an emergency within two months of the date of issue of the Licence. At least one such person shall be available for contact at all times.

10. Monitoring Contribution to the Licensing Authority

10.1 The Licensee shall pay on demand an annual contribution of 500 euro towards the Licensing Authority's (Wicklow County Council) monitoring costs. The subsequent annual contributions shall be reckoned on the initial sum of 500 euro when adjusted in accordance with the consumer price index for the intervening period.

11. Notification to the Licensing Authority

11.1 The Licensee shall notify the Licensing Authority in writing of any changes of ownership of the premises or of the company name or of the personnel referred to in conditions 4.1 and 9.2 of this Licence.

11.2 The Licensee shall notify the Licensing Authority in writing and in advance of any proposed change in the operation of the premises, which could cause a material alteration in the nature, or an increase in the volume of the effluent discharged.

11.3 The Licensee shall notify the Licensing Authority in writing of when the new sewage treatment plant has been commissioned.

11.4 The Licensee shall notify the Licensing Authority of any accidental discharge, spillage or deposit of polluting matter, which enters or is likely to enter the surface water drains, the groundwater or to watercourses, as soon as practicably possible, in accordance with Section 14 of the Local Government (Water Pollution) Act.

SIGNED:


PHILIP DUFFY,
A/DIRECTOR OF ENVIRONMENTAL AND
SANITARY SERVICES.

DATED:

19th August, 2003

NOTE:

An Appeal against the above decision may be made before the expiration of one month from the date of the above decision. Such appeal shall (a) be made in writing, (b) state the subject matter of the appeal, (c) state the grounds of appeal, (d) state the reference number of the Licence, and (e) state in full the grounds on which they are based. An appeal which does not comply with these requirements shall be invalid.

Appeals should be addressed to The Secretary, An Bord Pleanála, Floor 3 Blocks 6 and 7, Irish Life Centre, Lower Abbey Street, Dublin 1 and should be accompanied with a fee of €126.00.