Attachment D

CORK COUNTY COUNCIL

LOCAL GOVERNMENT (WATER POLLUTION) ACTS 1977 AND 1990

Licence to discharge Trade Effluent or Sewage Effluent to Waters

Reference No. In W.P.(W) 6/04

TO / Windsor Rose Investments Ltd
c/o James Sheehan & Associates,
53 South Mall,
Cork.

The Council of the County of Cork, in excercise of the powers conferred on it by the Local Government (Water Pollution) Acts, 1977 and 1990, as amended, hereby GRANTS a Licence, Reference Number W.P.(W) 6/04

To **Windsor Rose Investments Ltd**
c/o James Sheehan & Associates,
53 South Mall.
Cork.

To Discharge **Domestic Effluent.**

To (River) **Groundwater - surface water discharge to existing stream**

Located at **"Glor Na dTonn", Garrettstown, Co. Cork.**

subject to the Conditions set out in the schedule attached hereto. It should be noted that a person shall not be entitled solely by reason of a licence to make, cause or permit a discharge to a sewer.

ENVIRONMENT DEPARTMENT, ROOM 408, COUNTY HALL, CORK.

Signed on behalf of the said Council,

Mairéad Kinsella

STAFF OFFICER

Dated this 23 day of November 2004

NOTE:

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

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

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

A party to an appeal shall give to An Bord Pleanala any document, information or evidence in his possession or procurement which An Bord Pleanala consider necessary for the purpose of determining the appeal.

CORK COUNTY COUNCIL
Environment Dept.

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

W.P. (W) 06/04

Windsor Rose Investments Ltd.
C/o James Sheehan & Associates
53 South Mall
Cork

Schedule

Wastewaters Discharges shall take place only as specified in the licence application W.P.(W) 06/04 as modified and/or controlled by this licence and subject to the requirements of law. Any changes in the nature or quantity of any emission shall require the licensee to notify the Licensing Authority and in the case of any material change for the licensee to request a review or obtain a new licence as may be determined by the Licensing Authority prior to any such change being made. The Licensing Authority shall interpret whether any change is material or not.

This licence supersedes all previous licences and correspondence issued in respect of the facility under the terms of the Local Government Water Pollution Act 1977 and 1990.

1. WASTEWATER MANAGEMENT

1.1 The Licensee shall employ the best available techniques in the avoidance, minimisation, treatment and disposal of wastewaters produced on site.

1.2 Standard operating procedures shall be prepared in respect of wastewater control and treatment systems to assist personnel with responsibilities for the operations of such systems and plant. These procedures shall be retained on site for inspection and submitted to the Licensing Authority on request.

5.1 Operators with responsibilities in the effluent control and treatment area shall be identified to the Licensing Authority ,contact telephone numbers supplied .Operators with responsibilities in the wastewaters control and treatment shall be trained adequately to enable them to execute their tasks in relation to pollution control. These records shall be submitted to the Licensing Authority prior to the commencement of discharges.

2. CONTAMINATED WASTE WATERS.

2.1 All contaminated wastewater arising from the operation oft a residential development at "Glor Na dTonn" Garretstown , Co.Cork, shall be collected and treated on site prior to discharge to percolation area. The specification of the treatment system is to be agreed with the Local Authority.

2.2 Contaminated waste water shall comprise of those arising from the operation of a the above named residential development only.

2.3 The plant shall not be operated without an ongoing maintenance contract which must be approved by the licencing authority

2.4 No interference with adjacent wetlands or vegetation shall take place without the prior approval of cork county council

2.5 All treated effluent shall be discharged to the percolation/sand filter bed as outlined in the licence application and maps/ drawings submitted with the application

The outflow pipe from the treatment unit shall be fitted with a sampling chamber post treatment at a location agreed with the Licensing Authority. The sampling chamber shall be constructed with minimum dimensions 500mm square by 400 mm deep. A flow meter shall be installed on the treated wastewater discharge line and the location of the flow meter shall be agreed with the Licensing Authority. The flow meter and sampling chamber shall be fully operational and in use at all times when wastewater is being discharged. The flow meter shall be of the continuous recording and integrating type.

Grab samples obtained from the sampling chamber shall be tested by the licensee for the parameters indicated in the following table and no such sample taken at the point of sampling shall exceed the following condition limits

from the 1st March 2005:-The limits set are from the treatment plant to the percolation area and all sampling and monitoring will be evaluated at this point

2.6 The wastewater flow shall not exceed $20m^3$/day or 2.0 m^3per hour.

2.7 Grab samples obtained from these shall be tested by the licensee for the parameters indicated in the following table and no such sample taken at the point of sampling in the discharge line shall exceed the following condition limits.

pH	6.0 – 8.5
Temperature	25°C
B.O.D.	20 mg/l
Total Suspended Solids	30 mg/l
Oils, fats, greases	5 mg/l
Detergents (anionic, cationic and nonionic)	5 mg/l
Total Phosphorus	3 mg/l (1st Jan 2006)
Faecal Coliforms	250 fc/100mls

The licencee shall install a UV system on the outlet line from the treatment plant to the percolation area

This licence does not permit the discharge of compounds listed (appendix 1) on Water Quality (Dangerous Substances Regulations) S.I. 12, 2001 from any activity arising on this site.

The frequency of testing for the above parameters shall be as follows:
Monthly for all parameters for the first twelve months from the date of issue of this licence. Quarterly thereafter, if the previous twelve months data demonstrates 100% compliance with condition 2.7 above. The Licensing Authority reserves the right to alter the frequency of testing.

In compliance with Statutory Instrument S.I. 258 of 1998, the licensee shall report to the Licensing Authority on the reduction or elimination of detergents containing phosphorus compounds. This report shall be submitted by 1st August 2005.

2.8 All test methods used by the Licensee for the monitoring of the nature of the discharge shall be agreed with the Licensing Authority. All laboratory equipment used for wastewaters monitoring shall be calibrated in accordance with the manufacturers' recommendations and records of such calibrations shall be held by the Licensee for inspection by the Licensing Authority on request.

2.9 In the event of malfunction or breakdown of the wastewater treatment systems, or, any other incident on site which may be rise to water pollution, the Licensee shall immediately report the incident to the Licensing Authority by telephone or telefax and shall confirm the communication in writing within twenty four hours.

3. SURFACE AND STORM WATERS

3.1 All uncontaminated surface and storm waters shall be discharged as agreed with the Licensing Authority and discharged to the surface water drain as indicated on drawing number Y3 308/C/003 which accompanied the application. .

3.2 Grab samples shall be tested by the licensee upon request for the parameters indicated below table and no such sample taken at the point of sampling in the discharge lines shall exceed the following condition limits from the 31st January 2005:-

pH	6.0 – 8.0
Temperature	ambient
B.O.D.	5.0 mg/l
Total Suspended Solids	30 mg/l

4. STORAGE FACILITIES

4.1 All chemical storage tanks areas shall be rendered impervious to the materials stored therein. In addition, storage tank areas shall be bunded, either locally or remotely, to a volume of 110% of the largest tank within each individual bunded area.

4.2 The integrity and watertightness of all the bunded structures and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated by the licensee to the satisfaction of the Licensing Authority. The results of these tests shall be certified by a Chartered Engineer.

5. SOLID WASTES

5.1 All wastes shall be recycled, recovered, or, reused in so far as is practical.

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

5.3 All treatment plant sludges shall be stabilised prior to disposal .

5.4 The licencee shall submit a report detailing all issues related to storage ,handling and disposal of treatment plant sludge's. This report shall be approved by the licencing authority prior to disposal of any plant sludge's and no sludge may be removed off site for disposal until this approval has been granted .

5.5 The licencee shall submit the name of the licenced waste disposal contactors as part of 5.4 above and only licenced operators may be used in this regard..

6. MONITORING

6.1 The licensee shall grant immediate and unhindered access to the site and any portion of the wastewaters treatment plant to any authorised personnel representing any body having statutory responsibility for water pollution control, at all times to carry out such inspections, monitoring and investigations as the body deems necessary.

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

6.2 The licensee shall keep records of all monitoring carried out and shall retain such records for a minimum period of five years. These records shall be available for inspection by authorised personnel representing any statutory body involved in water pollution at all reasonable times. The licensee shall submit to the Licensing Authority at quarterly intervals the results of all monitoring relating to the previous quarter, together with any other records relating to pollution control which may be required by the Licensing Authority. The format of these results shall be in accordance with the Licensing Authority temp plate which will be provided to the licensee.

6.3 Any non-compliance with the terms of the licence shall be highlighted and the reason why this occurred shall be stated. The measures taken to ensure non-recurrence of the non compliance shall also be outlined. The percentage compliance with licence values for each parameter shall also be indicated.

6.4 Before January 31st of each calendar year, the Licensee shall submit a summary report of all monitoring carried out in the previous year. This report shall evaluate the operation of the facilities available on site to treat the wastewaters produced in the light of the results achieved in the previous year.

6.5 All monthly/quarterly and annual reports shall be signed by the Licensee's plant manager or approved agent designated by licencee.

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

7. RESPONSIBLE PERSON

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

8. TREATMENT SYSTEM

8.1 The Licensee shall initiate an approved maintenance programme for all such plant in use in the treatment process or in pollution control. A copy of the contract documents of the company contracted to operate and maintain the treatment plant shall be forwarded to the local authority prior to the operation of the plant.

.2 As a minimum the following conditions shall be performed

- Twice weekly inspection of the plant and a log maintained ,verifying the operational conditions of the plant during the visit
- Alarm systems which relay to a responsible contact person should any plant mal function occur or a breakdown of plant equipment take place in the effluent system
- Register of maintenance work
- The plant shall be checked after every period of excessive rainfall in order to ensure that the system has not been affected by flooding.

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

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

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

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

9. CONTRIBUTIONS

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

(a) Not later than September 30th, 2005 the licensee shall pay to the Licensing Authority a contribution of not less than (€ 1250)

(b) In subsequent years the licensee shall pay to the Licensing Authority an annual amount of not less than (€ 1250) updated in accordance with the Consumer Price Index from the date of the grant of this licence to the value pertaining at the time of payment of each annual contribution.

(c) Not withstanding the foregoing, the rate of contribution each year shall take account of the actual costs of monitoring as incurred by the Licensing Authority in the previous year and as estimated for the next year.

CORK COUNTY COUNCIL

LOCAL GOVERNMENT (WATER POLLUTION) ACTS 1977 AND 1990

Licence to discharge Trade Effluent or Sewage Effluent to Waters

Reference No. in WP(W)7/05

TO / Screed Developments Ltd.
Kilkerran
Ballinspittle
Co Cork

The Council of the County of Cork, in excercise of the powers conferred on it by the Local Government (Water Pollution) Acts, 1977 and 1990, as amended, hereby **GRANTS** a Licence, Reference Number WP(W)7/05

To	**Screed Developments Ltd.** **Kilkerran** **Ballinspittle** **Co Cork**
To Discharge	**Domestic wastewater**
To (River)	**Ballinspittle River**
Located at	**Kilmore Wood, Ballinspittle, Co Cork**

subject to the Conditions set out in the schedule attached hereto. It should be noted that a person shall not be entitled solely by reason of a licence to make, cause or permit a discharge to a sewer.

ENVIRONMENT DEPARTMENT,
ROOM FF14,
CORK COUNTY COUNCIL,
INNISCARRA,
CO CORK.

Signed on behalf of the said Council,

Noreen Cooney
pp. **STAFF OFFICER**

Dated this 1st **day of** July 2005.

NOTE:

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

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

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

A party to an appeal shall give to An Bord Pleanala any document, information or evidence in his possession or procurement, which An Bord Pleanala consider necessary for the purpose of determining the appeal.

CORK COUNTY COUNCIL
Environment Dept.

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

W.P. (W) 07/05

Screed Developments Ltd
Kilkerran
Ballinspittle
Co. Cork

Schedule

Wastewaters Discharges shall take place only as specified in the licence application W.P.(W) 05/07 as modified and/or controlled by this licence and subject to the requirements of law. Any changes in the nature or quantity of any emission shall require the licensee to notify the Licensing Authority and in the case of any material change for the licensee to request a review or obtain a new licence as may be determined by the Licensing Authority prior to any such change being made. The Licensing Authority shall interpret whether any change is material or not.

This licence supersedes all previous licenses and correspondence issued in respect of the facility under the terms of the Local Government Water Pollution Act 1977 and 1990.

1. WASTEWATER MANAGEMENT

1.1 The Licensee shall employ the best available techniques in the avoidance, minimisation, treatment and disposal of wastewaters produced on site.

1.2 Standard operating procedures shall be prepared in respect of wastewater control and treatment systems to assist personnel with responsibilities for the operations of such systems and plant. These procedures shall be retained on site for inspection and submitted to the Licensing Authority on request.

1.3 Operators with responsibilities in the effluent control and treatment area shall be identified to the Licensing Authority ,contact telephone numbers supplied .Operators with responsibilities in the wastewaters control and treatment shall be trained adequately to enable them to execute their tasks in relation to pollution control. These records shall be submitted to the Licensing Authority prior to the commencement of discharges.

2. CONTAMINATED WASTE WATERS.

2.1 All contaminated wastewater arising from the operation of a residential development at Kilmore Wood, Ballinspittal, Co.Cork, shall be collected and treated on site prior to discharge to either a percolation area or wetlands. Specifications of the percolation area or wetlands are to be agreed with the Licensing Authority. No direct discharge to the Ballinspittal stream is permitted.

2.2 Foul and surface site maps are to updated from those submitted in the Licensing Authority in the original application prior to commencement of the discharge.

2.3 The specification of the treatment system is to be designed and operated in order to meet the limits specified in 2.7 below prior to discharge. 2.3 The plant shall not be operated without an ongoing maintenance contract, which must be approved in advance of any discharge to the river by the Licensing Authority.

2.4 No discharge is permitted prior to the requirements of condition 2.3 above being fulfilled to the satisfaction of the Licensing Authority.

2.5 The outflow pipe from the treatment unit shall be fitted with a sampling chamber post treatment at a location agreed with the Licensing Authority. The sampling chamber shall be constructed with minimum dimensions 500mm square by 400 mm deep. A flow meter shall be installed on the treated wastewater discharge line and the location of the flow meter shall be agreed with the Licensing Authority. The flow meter and sampling chamber shall be fully operational and in use at all times when wastewater is being discharged. The flow meter shall be of the continuous recording and integrating type.

2.6 The wastewater flow shall not exceed 8.1m^3/day or 0.35 m^3per hour.

2.7 Grab samples obtained from the sampling chamber shall be tested by the Licensee for the parameters indicated in the following table and no such sample taken at the point of sampling in the discharge line shall exceed the following condition limits from the date of the first discharge.

Table 1

pH	6.0 – 8.5
Temperature	25° C
B.O.D.	10 mg/l
Total Suspended Solids	20 mg/l
Oils, fats, greases	5 mg/l
Detergents (anionic, cationic and nonionic)	5 mg/l
Total Phosphorus	1.5 mg/l

The licensee shall install a UV system on the outlet line from the treatment plant at a location agreed with the Licensing Authority.

This licence does not permit the discharge of compounds listed (appendix 1) on Water Quality (Dangerous Substances Regulations) S.I. 12, 2001 from any activity arising on this site.

The frequency of testing for the above parameters shall be as follows:
Monthly for all parameters for the first twelve months from the date of issue of this licence. Quarterly thereafter, if the previous twelve months data demonstrates 100% compliance with condition 2.7 above. The Licensing Authority reserves the right to alter the frequency of testing.

2.8 All test methods used by the Licensee for the monitoring of the nature of the discharge shall be agreed with the Licensing Authority. All laboratory equipment used for wastewaters monitoring shall be calibrated in accordance with the manufacturers' recommendations and records of such calibrations shall be held by the Licensee for inspection by the Licensing Authority on request.

2.9 In the event of malfunction or breakdown of the wastewater treatment systems, or, any other incident on site which may be rise to water pollution, the Licensee shall immediately report the incident to the Licensing Authority by telephone or telefax and shall confirm the communication in writing within twenty four hours.

3. SURFACE AND STORM WATERS

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

3.2 Grab samples shall be tested by the licensee upon request for the parameters indicated below table and no such sample taken at the point of sampling in the discharge lines shall exceed the following condition limits from the date of occupation on the site.:-

pH	6.0 – 8.0
Temperature	ambient
B.O.D.	5.0 mg/l
Total Suspended Solids	30 mg/l

4. STORAGE FACILITIES

4.1 All chemical storage tanks areas shall be rendered impervious to the materials stored therein. In addition, storage tank areas shall be bunded, either locally or remotely, to a volume of 110% of the largest tank within each individual bunded area.

4.2 The integrity and watertightness of all the bunded structures and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated by the licensee to the satisfaction of the Licensing Authority. The results of these tests shall be certified by a Chartered Engineer.

5. SOLID WASTES

All wastes shall be recycled, recovered, or, reused in so far as is practical.
All waste management options utilised shall be agreed in advance with the Licensing Authority. The volume of all wastes generated on site shall be recorded by the licensee. All such wastes shall be detailed as to source, route and type of recycling or disposal and classification under the European Waste Catalogue. This information shall be included in the annual summary report, which must be returned to the Licensing Authority under the terms of this licence.
All treatment plant sludges shall be stabilised prior to disposal.
The licensee shall submit a report detailing all issues related to storage, handling and disposal of treatment plant sludge's. This report shall be approved by the licensing authority prior to disposal of any plant sludge's and no sludge may be removed off site for disposal until this approval has been granted.
The licensee shall submit the name of the licensed waste disposal contactors as part of 5.4 above and only licensed operators may be used in this regard.

6. MONITORING

6.1 The licensee shall grant immediate and unhindered access to the site and any portion of the wastewaters treatment plant to any authorised personnel representing any body having statutory responsibility for water pollution control, at all times to carry out such inspections, monitoring and investigations as the body deems necessary.

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

6.2 The licensee shall keep records of all monitoring carried out and shall retain such records for a minimum period of five years. These records shall be available for inspection by authorised personnel representing any statutory body involved in water pollution at all reasonable times. The licensee shall submit to the Licensing Authority at quarterly intervals the results of all monitoring relating to the previous quarter, together with any other records relating to pollution control, which may be required by the Licensing Authority. The format of these results shall be in accordance with the Licensing Authority temp plate, which will be provided to the licensee.

6.3 Any non-compliance with the terms of the licence shall be highlighted and the reason why this occurred shall be stated. The measures taken to ensure non-recurrence of the non-compliance shall also be outlined. The percentage compliance with licence values for each parameter shall also be indicated.

6.4 Before January 31st of each calendar year, the Licensee shall submit a summary report of all monitoring carried out in the previous year. This report shall evaluate the operation of the facilities available on site to treat the wastewaters produced in the light of the results achieved in the previous year.

6.5 All monthly/quarterly and annual reports shall be signed by the Licensee's plant manager or approved agent designated by Licensee.

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

7. RESPONSIBLE PERSON

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

8. TREATMENT SYSTEM

8.1 The Licensee shall initiate an approved maintenance programmed for all such plant in use in the treatment process or in pollution control. A copy of the contract documents of the company contracted to operate and maintain the treatment plant shall be forwarded to the local authority prior to the operation of the plant.

As a minimum the following conditions shall be performed

- Twice weekly inspection of the plant and a log maintained, verifying the operational conditions of the plant during the visit
- Alarm systems which relay to a responsible contact person should any plant mal function occur or a breakdown of plant equipment take place in the effluent system
- Register of maintenance work
- The plant shall be checked after every period of excessive rainfall in order to ensure that the system has not been affected by flooding.

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

8.3 Noise levels shall be controlled and in accordance with Environmental Protection Agency Guidelines on noise.

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

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

9. CONTRIBUTIONS

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

(a) Not later than September 30th, 2005 the licensee shall pay to the Licensing Authority a contribution of not less than (€ 1250)

(b) In subsequent years the licensee shall pay to the Licensing Authority an annual amount of not less than (€ 1250) updated in accordance with the Consumer Price Index from the date of the grant of this licence to the value pertaining at the time of payment of each annual contribution.

(c) Not withstanding the foregoing, the rate of contribution each year shall take account of the actual costs of monitoring as incurred by the Licensing Authority in the previous year and as estimated for the next year.

Attachment 6

Irish National Accreditation Board

Accreditation Certificate

Cork County Council

Wastewater Testing Laboratory, Inniscarra, Co. Cork

Testing Laboratory

Registration number: **016T**

is accredited by the Irish National Accreditation Board (INAB) to undertake testing as detailed in the Schedule bearing the Registration Number detailed above, in compliance with the International Standard **ISO/IEC 17025:2005 2nd Edition** *"General Requirements for the Competence of Testing and Calibration Laboratories"* ***(This Certificate must be read in conjunction with the Annexed Schedule of Accreditation)***

Date of award of accreditation: **01:10:2002**
Date of last renewal of accreditation: **20:09:2007**
Expiry date of this certificate of accreditation: **01:10:2012**

This Accreditation shall remain in force until further notice subject to continuing compliance with INAB accreditation criteria, ISO/IEC 17025 and any further requirements specified by the Irish National Accreditation Board.

Manager: Tom Dempsey — Mr Tom Dempsey

Chairperson: Máire C Walsh — Dr Máire Walsh

Issued on 23 June 2008

Organisations are subject to annual surveillance and are re-assessed every five years. The renewal date on this Certificate confirms the latest date of renewal of accreditation. To confirm the validity of this Certificate, please contact the Irish National Accreditation Board.
The INAB is a signatory of the European co-operation for Accreditation (EA) Testing Multilateral Agreement (MLA) and the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement.

Irish National Accreditation Board

Wilton Park House, Wilton Place, Dublin 2, Ireland
Tel +353 1 607 3003 Fax +353 1 607 3109
E-mail inab@inab.ie Web www.inab.ie

Schedule of Accreditation

ISO 17025 INAB ACCREDITED TESTING DETAILED IN SCOPE REG NO.016T

(Annex to Accreditation Certificate)

Permanent Laboratory:
Category A

CORK COUNTY COUNCIL

Chemistry Testing Laboratory

Initial Registration Date :	**25-April-1991**
Postal Address:	Waste Water Laboratory
(Address of other locations	Inniscarra
as they apply)	Co. Cork
Telephone:	+353 (21) 4532700
Fax:	+353 (21) 4532777
E-mail:	
Contact Name:	Ms M Cherry
Facilities:	Normally not available for Public testing

Irish National Accreditation Board

Wilton Park House, Wilton Place, Dublin 2, Ireland
Tel +353 1 607 3003 Fax +353 1 607 3109
E-mail inab@inab.ie Web www.inab.ie

Schedule of Accreditation

ISO 17025 INAB ACCREDITED TESTING DETAILED IN SCOPE REG NO.016T

Permanent Laboratory:
Category A

THE IRISH NATIONAL ACCREDITATION BOARD (INAB) is the Irish body for the accreditation of organisations including laboratories.

Laboratory accreditation is available to testing and calibration facilities operated by manufacturing organisations, government departments, educational institutions and commercial testing/calibration services. Indeed, any organisation involved in testing, measurement or calibration in any area of technology can seek accreditation for the work it is undertaking.

Each accredited laboratory has been assessed by skilled specialist assessors and found to meet criteria which are in compliance with ISO/IEC 17025 or ISO/IEC 15189 (medical laboratories). Frequent audits, together with periodic inter-laboratory test programmes, ensure that these standards of operation are maintained.

Testing and Calibration Categories:

Category A: Permanent laboratory calibration and testing where the laboratory is erected on a fixed location for a period expected to be greater than three years.

Category B: Site calibration and testing that is performed by staff sent out on site by a permanent laboratory that is accredited by the Irish National Accreditation Board.

Category C: Site calibration and testing that is performed in a site/mobile laboratory or by staff sent out by such a laboratory, the operation of which is the responsibility of a permanent laboratory accredited by the Irish National Accreditation Board.

Category D: Site calibration and testing that is performed on site by individuals and organisations that do not have a permanent calibration/testing laboratory. Testing may be performed using

(a) portable test equipment
(b) a site laboratory
(c) a mobile laboratory or
(d) equipment from a mobile or site laboratory

Standard Specification or Test Procedure Used:

The standard specification or test procedure that is accredited is the issue that is current on the date of the most recent visit, unless otherwise stated.

Glossary of Terms

Facilities:

Public calibration/testing service:	Commercial operations which actively seek work from others.
Conditionally available for public calibration/testing:	Established for another primary purpose but, more commonly than not, is available for outside work.
Normally not available for public calibration/testing:	Unavailable for public calibration/testing more often than not.

Laboratory users wishing to obtain assurance that calibration or test results are reliable and carried out to the Irish National Accreditation Board criteria should insist on receiving an accredited calibration certificate or test report. Users should contact the laboratory directly to ensure that this scope of accreditation is current. INAB will, on request, verify the status and scope.

Scope of Accreditation

ISO 17025 INAB ACCREDITED TESTING DETAILED IN SCOPE REG NO.016T

Cork County Council

Chemical Testing Laboratory

Permanent Laboratory:

Category A

INAB Classification number (P9) Materials/products tested		Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
766	**Waters**	Chemical analysis:	Documented in-house methods based on Standard Methods for the Examination of Water & Wastewater 21 st Edition APHA (See Note 1)
.01	Waters for domestic purposes *Surface and ground waters*	Biochemical Oxygen Demand 2 - 145,000 mg/l	CP No. 1 Membrane electrode
		pH 2 - 12	CP No. 5 Electrometry
		Suspended Solids 0.5 - 17,500 mg/l	CP No. 3 Gravimetric
		Chemical Oxygen Demand 21 - 135 mg/l 120 - 670,000 mg/l	CP No. 6 Reflux - colourmetric method
		Total phosphorus 0.2 - 5,300 mg/l	US-EPA Approved method/HACH Method CP No.20
		Ammonia 0.1 - 1,000 mg/l NH_3 - N	Documented in-house method CP22 by Konelab based on Method for the Examination of Waters and Associated Material HMSO:1981

Scope of Accreditation

Cork County Council

Chemical Testing Laboratory

Permanent Laboratory:

Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
766 Waters		
.01 Waters for domestic purposes *Surface and ground waters*	Orthophosphate as P (Konelab) Range: 0.005-1.00 mg O-PO4 P/L High Range: 1000 mg O-PO4 P/L Method Detection Limit: 0.02 mg O-PO4 P/L	CP No. 23 Ascorbic Acid Method
	Chloride (Konelab) Range: 25-250 mg/L Cl- High Range Conc.: 86,000 mg/L Cl- Method Detection Limit: 25 mg/L Cl-	CP No. 24 Ferricyanide Method
	Sulphate (Konelab) Range: 30-250 mg/L SO4/L High Range Conc.: 35,000 mg/L SO4/L Method Detection Limit: 30 mg SO4/L	CP No. 25 Documented in-house method by Konelab based on method for the examination of waters and waste waters and associated material HMSO: 1981

Scope of Accreditation

ISO 17025 INAB ACCREDITED TESTING
DETAILED IN SCOPE REG NO.016T

Cork County Council

Chemical Testing Laboratory

Permanent Laboratory:
Category A

INAB Classification number (P9) Materials/products tested		Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
766	**Waters**	Chemical analysis	Documented in-house methods based on Standard Methods for the Examination of Water&
.05	Trade Wastes		Wastewater 21 st Edition APHA (See Note 1)
	Industrial effluents	Biochemical Oxygen Demand	CP No. 1 Membrane electrode
	Urban Wastewater	2 - 145,000 mg/l	
	Municipal Wastewater		
		pH	CP No. 5 Electrometry
		2 - 12	
		Suspended Solids	CP No. 3 Gravimetric
		0.5 - 17,500 mg/l	
		Chemical Oxygen Demand	CP No. 6 Reflux - colourmetric method
		21 - 135 mg/l	
		120 - 670,000 mg/l	
		Total phosphorus	US-EPA Approved method/HACH
		0.2 - 5,300 mg/l	Method CP No.20
		Ammonia	Documented in-house method CP22 by Konelab
		0.1 - 1,000 mg/l NH3-N	based on Method for the Examination of Waters and Associated Material HMSO: 1981.

Notes
1. APHA American Public Health Association, USA, 21st Edition

Scope of Accreditation

ISO 17025 INAB ACCREDITED TESTING
DETAILED IN SCOPE REG NO.016T

Cork County Council

Chemical Testing Laboratory

Permanent Laboratory:
Category A

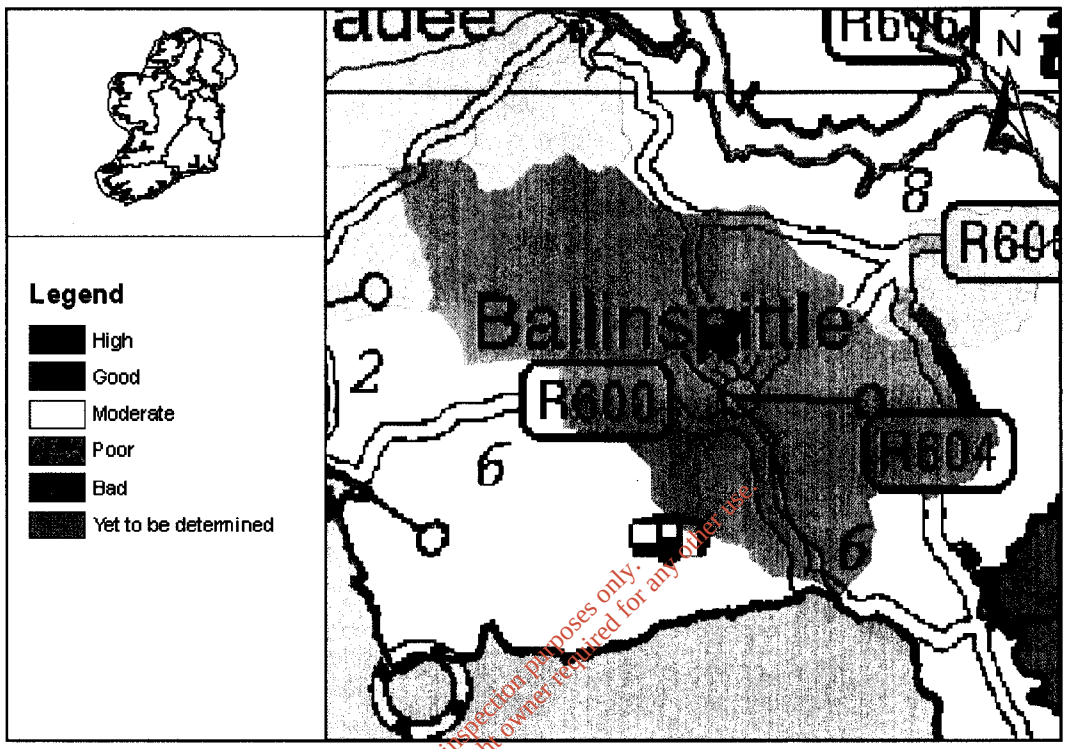
INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
766 Waters	Chemical analysis	Documented in-house methods based on Standard Methods for the Examination of Water& Wastewater 21 st Edition APHA (See Note 1)
.05 Trade Wastes *Industrial effluents* *Urban Wastewater* *Municipal Wastewater*		CP No. 1 Membrane electrode
	Orthophosphate as P (Konelab) Range: 0.005 - 1.00 mg O-PO4 P/L High Range: 1000 mg O-PO4 P/L Method Detection Limit: 0.02 mg O-PO4 P/L	CP No. 23 Ascorbic Acid Method
	Chloride (Konelab) Range: 25-250 mg/L Cl- High Range Conc.: 86,600 mg /L Cl- Method Detection Limit: 25mg / L Cl-	CP No. 24 Ferricyanide Method
	Sulphate (Konelab)) Range: 30-250 mg/L SO4 /L High Range Conc.: 35,000 mg/L SO4 /L Method Detection Limit: 30 mg SO4 /L	CP No. 25 Documented in-house method by Konelab based on method for the examination of waters and waste waters and associated material HMSO: 1981

Notes
1. APHA American Public Health Association, USA, 21st Edition

water matters
"Help us plan!"

[redacted]

Full Report for Waterbody Ballinspittle River (Coastal)



Date Reported to Europe: 22/12/2008

Date Report Created 14/10/2009

water matters
"Help us plan!"

[redacted]

Summary Information:

WaterBody Category:	Subbasin Waterbody
WaterBody Name:	Ballinspittle River (Coastal)
WaterBody Code:	IE_SW_20_1050
Overall Status:	[redacted]
Overall Objective:	[redacted]
Overall Risk:	2b Not At Risk
Applicable Supplementary Measures:	Unsewered; Urban & Industrial; Morphology; Forestry;

south western river basin district

Report data based upon Draft RBMP, 22/12/2008.

Date Reported to Europe: 22/12/2008

Date Report Created 14/10/2009

Attachment E4 Ballinspittle & Garrettstown Table E4

Sample Date	03/11/2009	03/11/2009	03/11/2009	03/11/2009	03/11/2009	03/11/2009	03/11/2009
Sample	[redacted]	Ballinspittle Septic Tank Outfall to River No.4 (SW1)	Ballinspittle River 100m D/S No.5 (aSW-1d)	[redacted]	[redacted]	Garrylucas- White Strand Pitch and Putt Septic Tank no. 8 (GW4)	[redacted]
Sample Code	GT1349	GT1350	GT1351	GT1352	GT1353	GT1354	GT1355
Flow M^3/Day	*	*	*	*	*	*	*
pH	7.2	7.3	7.8	6.9	7.6	7.0	8.0
Temperature °C	*	*	*	*	*	*	*
Conductivity uS/cm 20°C	515	492	331	1069	353	1352	658
Suspended Solids mg/L	198	13	6	82	<2.5	400	46
Ammonia-N mg/L	1.0	0.7	<0.1	60.7	<0.1	79.6	<0.1
BOD mg/L	26	8	<1	307	<1	161	9
COD mg/L	120	<21	<21	617	<21	734	63
TN-N mg/L	9.12	17.53	6.52	93.93	5.4	128.9	2.49
Nitrite-N mg/L	0.223	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrate-N mg/L	4.727	5.02	5.38	<0.5	4.37	<0.5	<0.5
TP-P mg/L	0.537	0.341	<0.05	10.8	0.073	13.23	0.15
O-PO4-P mg/L	0.21	0.18	<0.05	No result	<0.05	No result	0.1
SO4 mg/L	<30	<30	<30	<30	<30	<30	<30
Phenols µg/L	<0.10	<0.10	*	<0.10	*	<0.10	<0.10
Atrazine µg/L	<0.01	<0.01	*	<0.01	*	<0.01	<0.01
Dichloromethane µg/L	<1	<1	*	<1	*	<1	<1
Simazine µg/L	<0.01	<0.01	*	<0.01	*	<0.01	<0.01
Toluene µg/L	<0.28	<0.28	*	104.42	*	7.452	<0.28
Tributyltin µg/L	not required	not required	not required	not required	not required	not required	not required
Xylenes µg/L	<0.73	<0.73	*	<0.73	*	<0.73	<0.73
Arsenic µg/L	0.3	0.3	*	0.3	*	0.7	2.9
Chromium ug/L	<20	<20	<20	<20	<20	<20	<20
Copper ug/L	<20	<20	<20	<20	<20	35.5	<20
Cyanide µg/L	<5	7	*	5	*	13	<5
Fluoride µg/L	63	56	45	59	49	60	72
Lead ug/L	<20	<20	<20	<20	<20	<20	<20
Nickel ug/L	<20	<20	<20	<20	<20	<20	<20
Zinc ug/L	70.4	<20	28.7	41.9	<20	354.1	<20
Boron ug/L	22	24.1	<20	<20	<20	26.7	60.41
Cadmium ug/L	<20	<20	<20	<20	<20	<20	<20
Mercury µg/L	<0.03	<0.03	*	<0.03	*	<0.03	<0.03
Selenium µg/L	3.2	4.4	*	<2.12	*	2.6	3.6
Barium ug/L	36.1	<20	<20	64.5	<20	87.6	<20

No result-result not for reporting

On line data

WWD Licence Application

THIS APPLICATION HAS NOT BEEN SUBMITTED

Agglomeration details

Leading Local Authority	Cork County Council
Co-Applicants	
Agglomeration	Ballinspittle & Garrettstown
Population Equivalent	489
Level of Treatment	Primary
Treatment plant address	Kilmore, Ballinspittle, Kinsale, Co. Cork.
Grid Ref (12 digits, 6E, 6N)	159021 / 045776 (Verifed using GPS)
EPA Reference No:	

Contact details

Contact Name:	Patricia Power
Contact Address:	Water Services Section Cork County Council Southern Division Carrigrohane Road Cork
Contact Number:	021-4276891
Contact Fax:	021-4276321
Contact Email:	patricia.power@corkcoco.ie

Table D.1(i)(a): EMISSIONS TO SURFACE/GROUND WATERS (Primary Discharge Point)

Discharge Point Code: SW-1

Local Authority Ref No:	SW1BSPT	
Source of Emission:	Primary Discharge	
Location:	Kilmore	
Grid Ref (12 digits, 6E, 6N)	159079 / 045756 (Verifed using GPS)	
Name of Receiving waters:	Ballinspittle River	
Water Body:	River Water Body	
River Basin District	South Western RBD	
Designation of Receiving Waters:	None	
Flow Rate in Receiving Waters:		$m^3.sec^{-1}$ Dry Weather Flow
	0.076	$m^3.sec^{-1}$ 95% Weather Flow
Additional Comments (e.g. commentary on zero flow or other information deemed of value)	DWF for the Ballinspittle River is not available.	

Emission Details:

(i) Volume emitted			
Normal/day	71.78 m^3	Maximum/day	215.33 m^3
Maximum rate/hour	8.97 m^3	Period of emission (avg)	60 min/hr 24 hr/day 365 day/yr
Dry Weather Flow	0.00083 m^3/sec		

Table D.1(i)(b): EMISSIONS TO SURFACE/GROUND WATERS - Characteristics of The Emission (Primary Discharge Point)

Discharge Point Code: SW-1

Substance	As discharged			
	Unit of Measurement	Sampling Method	Max Daily Avg.	kg/day
pH	pH	Grab	= 9	
Temperature	°C	Grab	= 25	
Electrical Conductivity (@ 25°C)	µS/cm	Grab	= 1000	
Suspended Solids	mg/l	Grab	= 350	75.37
Ammonia (as N)	mg/l	Grab	= 1.5	0.32
Biochemical Oxygen Demand	mg/l	Grab	= 300	64.6
Chemical Oxygen Demand	mg/l	Grab	= 800	172.26
Total Nitrogen (as N)	mg/l	Grab	= 85	18.3
Nitrite (as N)	mg/l	Grab	< 0.1	0.022
Nitrate (as N)	mg/l	Grab	= 10	2.15
Total Phosphorous (as P)	mg/l	Grab	= 12	2.58
OrthoPhosphate (as P)	mg/l	Grab	= 0.4	0.086
Sulphate (SO_4)	mg/l	Grab	< 30	6.46
Phenols (Sum)	µg/l	Grab	< 0.1	0.022

For Orthophosphate: this monitoring should be undertaken on a sample filtered on 0.45µm filter paper
For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

Table D.1(i)(c): DANGEROUS SUBSTANCE EMISSIONS TO SURFACE/GROUND WATERS - Characteristics of The Emission (Primary Discharge Point)

Discharge Point Code: SW-1

Substance	As discharged			
	Unit of Measurement	Sampling Method	Max Daily Avg.	kg/day
Atrazine	µg/l	Grab	< 0.01	0.0022
Dichloromethane	µg/l	Grab	< 1	0.22
Simazine	µg/l	Grab	< 0.01	0.0022
Toluene	µg/l	Grab	< 0.28	0.06
Tributyltin	µg/l	Grab	= 0	0
Xylenes	µg/l	Grab	< 0.73	157.19
Arsenic	µg/l	Grab	= 0.6	0.13
Chromium	µg/l	Grab	< 20	4.31
Copper	µg/l	Grab	< 20	4.31
Cyanide	µg/l	Grab	= 15	3.23
Flouride	µg/l	Grab	= 100	21.53
Lead	µg/l	Grab	< 20	4.31
Nickel	µg/l	Grab	< 20	4.31
Zinc	µg/l	Grab	< 20	4.31
Boron	µg/l	Grab	< 50	10.77
Cadmium	µg/l	Grab	< 20	4.31
Mercury	µg/l	Grab	< 0.03	0.0065
Selenium	µg/l	Grab	= 9	1.94
Barium	µg/l	Grab	< 20	4.31

For Orthophosphate: this monitoring should be undertaken on a sample filtered on 0.45µm filter paper
For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

Table D.1(ii)(a): EMISSIONS TO SURFACE/GROUND WATERS (Secondary Discharge Point)

Discharge Point Code: GW-3

Local Authority Ref No:	GW3BSPT	
Source of Emission:	Secondary Discharge	
Location:	Garrettstown Beach	
Grid Ref (12 digits, 6E, 6N)	159923 / 043644 (Verifed using GPS)	
Name of Receiving waters:	Bandon_1	
Water Body:	Ground Water Body	
River Basin District	South Western RBD	
Designation of Receiving Waters:	None	
Flow Rate in Receiving Waters:	0	$m^3.sec^{-1}$ Dry Weather Flow
	0	$m^3.sec^{-1}$ 95% Weather Flow
Additional Comments (e.g. commentary on zero flow or other information deemed of value)	coastal water	

Emission Details:

(i) Volume emitted			
Normal/day	11.25 m^3	Maximum/day	33.75 m^3
Maximum rate/hour	1.41 m^3	Period of emission (avg)	60 min/hr 24 hr/day 365 day/yr
Dry Weather Flow	0.00013 m^3/sec		

Table D.1(ii)(b): EMISSIONS TO SURFACE/GROUND WATERS - Characteristics of The Emission (Secondary Discharge Point)

Discharge Point Code: GW-3

Substance	As discharged			
	Unit of Measurement	Sampling Method	Max Daily Avg.	kg/day
pH	pH	Grab	= 9	
Temperature	°C	Grab	= 25	
Electrical Conductivity (@ 25°C)	µS/cm	Grab	= 1000	
Suspended Solids	mg/l	Grab	= 350	11.81
Ammonia (as N)	mg/l	Grab	= 120	4.05
Biochemical Oxygen Demand	mg/l	Grab	= 350	11.81
Chemical Oxygen Demand	mg/l	Grab	= 800	27
Total Nitrogen (as N)	mg/l	Grab	= 100	3.38
Nitrite (as N)	mg/l	Grab	< 0.1	0.0034
Nitrate (as N)	mg/l	Grab	< 0.5	0.017
Total Phosphorous (as P)	mg/l	Grab	= 12	0.41
OrthoPhosphate (as P)	mg/l	Grab	= 0	0
Sulphate (SO_4)	mg/l	Grab	< 30	1.01
Phenols (Sum)	µg/l	Grab	< 0.1	0.0034

For Orthophosphate: this monitoring should be undertaken on a sample filtered on 0.45µm filter paper
For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

Table D.1(ii)(c): DANGEROUS SUBSTANCE EMISSIONS TO SURFACE/GROUND WATERS - Characteristics of The Emission (Secondary Discharge Point)

Discharge Point Code: GW-3

Substance	As discharged			
	Unit of Measurement	Sampling Method	Max Daily Avg.	kg/day
Atrazine	µg/l	Grab	< 0.01	0.00034
Dichloromethane	µg/l	Grab	< 1	0.034
Simazine	µg/l	Grab	< 0.01	0.00034
Toluene	µg/l	Grab	= 200	6.7
Tributyltin	µg/l	Grab	= 0	0
Xylenes	µg/l	Grab	< 0.73	0.025
Arsenic	µg/l	Grab	= 0.6	0.02
Chromium	µg/l	Grab	< 20	0.68
Copper	µg/l	Grab	< 20	0.68
Cyanide	µg/l	Grab	= 10	0.34
Flouride	µg/l	Grab	= 120	4.05
Lead	µg/l	Grab	< 20	0.68
Nickel	µg/l	Grab	< 20	0.68
Zinc	µg/l	Grab	= 80	2.7
Boron	µg/l	Grab	< 20	0.68
Cadmium	µg/l	Grab	< 20	0.68
Mercury	µg/l	Grab	< 0.03	0.001
Selenium	µg/l	Grab	< 2.12	7.16
Barium	µg/l	Grab	= 120	4.05

For Orthophosphate: this monitoring should be undertaken on a sample filtered on 0.45µm filter paper
For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

Table D.1(ii)(a): EMISSIONS TO SURFACE/GROUND WATERS (Secondary Discharge Point)

Discharge Point Code: GW-4

Local Authority Ref No:	GW4BSPT	
Source of Emission:	Secondary Discharge	
Location:	White Strand	
Grid Ref (12 digits, 6E, 6N)	160985 / 043241 (Verifed using GPS)	
Name of Receiving waters:	Bandon 1	
Water Body:	Ground Water Body	
River Basin District	South Western RBD	
Designation of Receiving Waters:	None	
Flow Rate in Receiving Waters:		$m^3.sec^{-1}$ Dry Weather Flow
		$m^3.sec^{-1}$ 95% Weather Flow
Additional Comments (e.g. commentary on zero flow or other information deemed of value)		

Emission Details:

(i) Volume emitted			
Normal/day	11.25 m^3	Maximum/day	33.75 m^3
Maximum rate/hour	1.41 m^3	Period of emission (avg)	60 min/hr 24 hr/day 365 day/yr
Dry Weather Flow	0.00013 m^3/sec		

Table D.1(ii)(b): EMISSIONS TO SURFACE/GROUND WATERS - Characteristics of The Emission (Secondary Discharge Point)

Discharge Point Code: GW-4

Substance	As discharged			
	Unit of Measurement	Sampling Method	Max Daily Avg.	kg/day
pH	pH	Grab	= 9	
Temperature	°C	Grab	= 25	
Electrical Conductivity (@ 25°C)	µS/cm	Grab	= 1000	
Suspended Solids	mg/l	Grab	= 450	15.19
Ammonia (as N)	mg/l	Grab	= 160	5.4
Biochemical Oxygen Demand	mg/l	Grab	= 300	10.13
Chemical Oxygen Demand	mg/l	Grab	= 800	27
Total Nitrogen (as N)	mg/l	Grab	= 150	5.06
Nitrite (as N)	mg/l	Grab	< 0.1	0.0034
Nitrate (as N)	mg/l	Grab	< 0.5	0.017
Total Phosphorous (as P)	mg/l	Grab	= 15	0.51
OrthoPhosphate (as P)	mg/l	Grab	= 0	0
Sulphate (SO_4)	mg/l	Grab	< 30	1.01
Phenols (Sum)	µg/l	Grab	< 0.1	0.0034

For Orthophosphate: this monitoring should be undertaken on a sample filtered on 0.45µm filter paper
For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

Table D.1(ii)(c): DANGEROUS SUBSTANCE EMISSIONS TO SURFACE/GROUND WATERS - Characteristics of The Emission (Secondary Discharge Point)

Discharge Point Code: GW-4

Substance	As discharged			
	Unit of Measurement	Sampling Method	Max Daily Avg.	kg/day
Atrazine	µg/l	Grab	< 0.01	0.00034
Dichloromethane	µg/l	Grab	< 1	0.034
Simazine	µg/l	Grab	< 0.01	0.00034
Toluene	µg/l	Grab	= 15	0.51
Tributyltin	µg/l	Grab	= 0	0
Xylenes	µg/l	Grab	< 0.73	0.025
Arsenic	µg/l	Grab	= 1.5	0.051
Chromium	µg/l	Grab	< 20	0.68
Copper	µg/l	Grab	= 70	2.36
Cyanide	µg/l	Grab	= 25	0.84
Flouride	µg/l	Grab	= 120	4.05
Lead	µg/l	Grab	< 20	0.68
Nickel	µg/l	Grab	< 20	0.68
Zinc	µg/l	Grab	= 500	16.88
Boron	µg/l	Grab	= 50	1.69
Cadmium	µg/l	Grab	< 20	0.68
Mercury	µg/l	Grab	< 0.03	0.001
Selenium	µg/l	Grab	= 5	0.17
Barium	µg/l	Grab	= 170	5.74

For Orthophosphate: this monitoring should be undertaken on a sample filtered on 0.45µm filter paper
For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

Table D.1(ii)(a): EMISSIONS TO SURFACE/GROUND WATERS (Secondary Discharge Point)

Discharge Point Code: SW-2

Local Authority Ref No:	SW2BSPT	
Source of Emission:	Secondary Discharge	
Location:	Ballycatteen	
Grid Ref (12 digits, 6E, 6N)	158620 / 046156 (Verifed using GPS)	
Name of Receiving waters:	Ballinspittle River	
Water Body:	River Water Body	
River Basin District	South Western RBD	
Designation of Receiving Waters:	None	
Flow Rate in Receiving Waters:	0	$m^3.sec^{-1}$ Dry Weather Flow
	0.076	$m^3.sec^{-1}$ 95% Weather Flow
Additional Comments (e.g. commentary on zero flow or other information deemed of value)	DWF of the Ballinspittle River is not available.	

Emission Details:

(i) Volume emitted			
Normal/day	15.75 m^3	Maximum/day	47.25 m^3
Maximum rate/hour	1.97 m^3	Period of emission (avg)	60 min/hr 24 hr/day 365 day/yr
Dry Weather Flow	0.00018 m^3/sec		

Table D.1(ii)(b): EMISSIONS TO SURFACE/GROUND WATERS - Characteristics of The Emission (Secondary Discharge Point)

Discharge Point Code: SW-2

Substance	As discharged			
	Unit of Measurement	Sampling Method	Max Daily Avg.	kg/day
pH	pH	Grab	= 9	
Temperature	°C	Grab	= 25	
Electrical Conductivity (@ 25°C)	µS/cm	Grab	= 1000	
Suspended Solids	mg/l	Grab	= 35	1.65
Ammonia (as N)	mg/l	Grab	= 0	0
Biochemical Oxygen Demand	mg/l	Grab	= 25	1.18
Chemical Oxygen Demand	mg/l	Grab	= 125	5.91
Total Nitrogen (as N)	mg/l	Grab	= 85	4.02
Nitrite (as N)	mg/l	Grab	= 0	0
Nitrate (as N)	mg/l	Grab	= 0	0
Total Phosphorous (as P)	mg/l	Grab	= 12	0.57
OrthoPhosphate (as P)	mg/l	Grab	= 0	0
Sulphate (SO_4)	mg/l	Grab	= 0	0
Phenols (Sum)	µg/l	Grab	= 0	0

For Orthophosphate: this monitoring should be undertaken on a sample filtered on 0.45µm filter paper
For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

Table D.1(ii)(c): DANGEROUS SUBSTANCE EMISSIONS TO SURFACE/GROUND WATERS - Characteristics of The Emission (Secondary Discharge Point)

Discharge Point Code: SW-2

Substance	As discharged			
	Unit of Measurement	Sampling Method	Max Daily Avg.	kg/day
Atrazine	µg/l	Grab	= 0	0
Dichloromethane	µg/l	Grab	= 0	0
Simazine	µg/l	Grab	= 0	0
Toluene	µg/l	Grab	= 0	0
Tributyltin	µg/l	Grab	= 0	0
Xylenes	µg/l	Grab	= 0	0
Arsenic	µg/l	Grab	= 0	0
Chromium	µg/l	Grab	= 0	0
Copper	µg/l	Grab	= 0	0
Cyanide	µg/l	Grab	= 0	0
Flouride	µg/l	Grab	= 0	0
Lead	µg/l	Grab	= 0	0
Nickel	µg/l	Grab	= 0	0
Zinc	µg/l	Grab	= 0	0
Boron	µg/l	Grab	= 0	0
Cadmium	µg/l	Grab	= 0	0
Mercury	µg/l	Grab	= 0	0
Selenium	µg/l	Grab	= 0	0
Barium	µg/l	Grab	= 0	0

For Orthophosphate: this monitoring should be undertaken on a sample filtered on 0.45µm filter paper
For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

Table D.1(iii)(a): EMISSIONS TO SURFACE/GROUND WATERS (Storm Overflow)

Discharge Point Code: SW-5

Local Authority Ref No:	SW5BSPT	
Source of Emission:	Storm Water Overflow	
Location:	Kilmore	
Grid Ref (12 digits, 6E, 6N)	159040 / 045781 (Verifed using GPS)	
Name of Receiving waters:	Ballinspittle River	
Water Body:	River Water Body	
River Basin District	South Western RBD	
Designation of Receiving Waters:	None	
Flow Rate in Receiving Waters:		$m^3.sec^{-1}$ Dry Weather Flow
	0.076	$m^3.sec^{-1}$ 95% Weather Flow
Additional Comments (e.g. commentary on zero flow or other information deemed of value)	DWF for the Ballinspittle River is not available	

Emission Details:

(i) Volume emitted			
Normal/day	m^3	Maximum/day	m^3
Maximum rate/hour	m^3	Period of emission (avg)	min/hr hr/day day/yr
Dry Weather Flow	m^3/sec		

TABLE E.1(i): WASTE WATER FREQUENCY AND QUANTITY OF DISCHARGE – Primary and Secondary Discharge Points

Identification Code for Discharge point	Frequency of discharge (days/annum)	Quantity of Waste Water Discharged (m^3/annum)
SW-1	365	26199.7
SW-2	365	5748.75
GW-3	365	4106.25
GW-4	365	4106.25

TABLE E.1(ii): WASTE WATER FREQUENCY AND QUANTITY OF DISCHARGE – Storm Water Overflows

Identification Code for Discharge point	Frequency of discharge (days/annum)	Quantity of Waste Water Discharged (m^3/annum)	Complies with Definition of Storm Water Overflow
SW-5			No

TABLE F.1(i)(a): SURFACE/GROUND WATER MONITORING

Primary Discharge Point

Discharge Point Code:	SW-1
MONITORING POINT CODE:	aSW-1d
Grid Ref (12 digits, 6E, 6N)	159151 / 045686 (Verifed using GPS)

Parameter	Results (mg/l)				Sampling method	Limit of Quantitation	Analysis method / technique
	01/01/09	03/11/09					
pH		= 7.8			Grab	2	Electrochemical
Temperature	= 0				Grab	0.5	Electrochemical
Electrical Conductivity (@ 25°C)		= 331			Grab	0.5	Electrochemical
Suspended Solids		= 6			Grab	0.5	Gravimetric
Ammonia (as N)		< 0.1			Grab	0.02	Colorimetric
Biochemical Oxygen Demand		< 1			Grab	0.06	Electrochemical
Chemical Oxygen Demand		< 21			Grab	8	Digestion & Colorimetric
Dissolved Oxygen	= 0				Grab	0.2	ISE
Hardness (as $CaCO_3$)	= 0				Grab	1	Titrimetric
Total Nitrogen (as N)		= 6.52			Grab	0.5	Digestion & Colorimetric
Nitrite (as N)		< 0.1			Grab	0.1	Colorimetric
Nitrate (as N)		= 5.38			Grab	0.5	Colorimetric
Total Phosphorous (as P)		< 0.05			Grab	0.2	Digestion & Colorimetric
OrthoPhosphate (as P)		< 0.05			Grab	0.02	Colorimetric
Sulphate (SO_4)		< 30			Grab	30	Turbidimetric
Phenols (Sum)	= 0				Grab	0.1	GC-MS2

For Orthophosphate: this monitoring should be undertaken on a sample filtered on 0.45µm filter paper
For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

Additional Comments:	default of 01/01/09 and 0 where no results are available , TBT testing not required

TABLE F.1(i)(b): SURFACE/GROUND WATER MONITORING (Dangerous Substances)

Primary Discharge Point

Discharge Point Code:	SW-1
MONITORING POINT CODE:	aSW-1d
Grid Ref (12 digits, 6E, 6N)	159151 / 045686 (Verifed using GPS)

Parameter	Results (µg/l)				Sampling method	Limit of Quantitation	Analysis method / technique
	01/01/09	03/11/09					
Atrazine	= 0				Grab	0.96	HPLC
Dichloromethane	= 0				Grab	1	GC-MS1
Simazine	= 0				Grab	0.01	HPLC
Toluene	= 0				Grab	0.02	GC-MS1
Tributyltin	= 0				Grab	0.02	GC-MS1
Xylenes	= 0				Grab	1	GC-MS1
Arsenic	= 0				Grab	0.96	ICP-MS
Chromium		< 20			Grab	20	ICP-OES
Copper		< 20			Grab	20	ICP-OES
Cyanide	= 0				Grab	5	Colorimetric
Flouride		= 45			Grab	100	ISE
Lead		< 20			Grab	20	ICP-OES
Nickel		< 20			Grab	20	ICP-OES
Zinc		< 20			Grab	20	ICP-OES
Boron		= 28.7			Grab	20	ICP-OES
Cadmium		> 20			Grab	20	ICP-OES
Mercury		< 0.03			Grab	0.2	ICP-MS
Selenium		= 4.4			Grab	0.74	ICP-MS
Barium		< 20			Grab	20	ICP-OES

Additional Comments:	TBT value is 0.02ug/l as Sn default of 01/01/09 and 0 where no results are available , TBT testing not required

TABLE F.1(ii)(a): SURFACE/GROUND WATER MONITORING

Secondary Discharge Point

Discharge Point Code:	GW-3
MONITORING POINT CODE:	aGW-3d
Grid Ref (12 digits, 6E, 6N)	159971 / 043597 (Verifed using GPS)

Parameter	Results (mg/l)				Sampling method	Limit of Quantitation	Analysis method / technique
	01/01/09	03/11/09					
pH		= 7.6			Grab	2	Electrochemical
Temperature	= 0				Grab	0.5	Electrochemical
Electrical Conductivity (@ 25°C)		= 353			Grab	0.5	electrochemical
Suspended Solids		< 2.5			Grab	0.5	Gravimetric
Ammonia (as N)		< 0.1			Grab	0.02	Colorimetric
Biochemical Oxygen Demand		< 1			Grab	0.06	elelectrochemical
Chemical Oxygen Demand		< 21			Grab	8	Digestion & Colorimetric
Dissolved Oxygen	= 0				Grab	0.2	ISE
Hardness (as $CaCO_3$)	= 0				Grab	1	Titrimetric
Total Nitrogen (as N)		= 5.4			Grab	0.5	digestion+colorimetric
Nitrite (as N)		< 0.1			Grab	0.1	Colorimetric
Nitrate (as N)		= 4.37			Grab	0.5	Colorimetric
Total Phosphorous (as P)		= 0.073			Grab	0.05	digestion+colorimetric
OrthoPhosphate (as P)		< 0.05			Grab	0.05	Colorimetric
Sulphate (SO_4)		< 30			Grab	30	Turbidimetric
Phenols (Sum)	= 0				Grab	0.1	GC-MS2

For Orthophosphate: this monitoring should be undertaken on a sample filtered on 0.45µm filter paper
For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

Additional Comments:	default of 01/01/09 and 0 where no results are available , TBT testing not required

TABLE F.1(ii)(b): SURFACE/GROUND WATER MONITORING (Dangerous Substances)

Secondary Discharge Point

Discharge Point Code:	GW-3
MONITORING POINT CODE:	aGW-3d
Grid Ref (12 digits, 6E, 6N)	159971 / 043597 (Verifed using GPS)

Parameter	Results (µg/l)				Sampling method	Limit of Quantitation	Analysis method / technique
	01/01/09	03/11/09					
Atrazine	= 0				Grab	0.96	HPLC
Dichloromethane	= 0				Grab	1	GC MS1
Simazine	= 0				Grab	0.01	HPLC
Toluene	= 0				Grab	0.02	GC MS1
Tributyltin	= 0				Grab	0.02	GC MS1
Xylenes	= 0				Grab	1	GC MS1
Arsenic	= 0				Grab	0.96	ICP-MS
Chromium		< 20			Grab	20	ICP-OES
Copper		< 20			Grab	20	ICP-OES
Cyanide	< 20				Grab	5	Colorimetric
Flouride		= 49			Grab	100	ISE
Lead		< 20			Grab	20	ICP-OES
Nickel		< 20			Grab	20	ICP-OES
Zinc		< 20			Grab	20	ICP-OES
Boron		< 20			Grab	20	ICP-OES
Cadmium		< 20			Grab	20	ICP-OES
Mercury	= 0				Grab	0.03	ICP-MS
Selenium	= 0				Grab	0.74	ICP-MS
Barium		< 20			Grab	20	ICP-OES

Additional Comments:	default of 01/01/09 and 0 where no results are available , TBT testing not required

TABLE F.1(ii)(a): SURFACE/GROUND WATER MONITORING

Secondary Discharge Point

Discharge Point Code:	GW-4
MONITORING POINT CODE:	aGW-4d
Grid Ref (12 digits, 6E, 6N)	161006 / 043266 (Verifed using GPS)

Parameter	Results (mg/l)				Sampling method	Limit of Quantitation	Analysis method / technique
	01/01/09	03/11/09					
pH		= 8			Grab	2	Electrochemical
Temperature	= 0				Grab	0.5	Electrochemical
Electrical Conductivity (@ 25°C)		= 658			Grab	0.5	electrochemical
Suspended Solids		= 46			Grab	0.5	Gravimetric
Ammonia (as N)		< 0.1			Grab	0.02	Colorimetric
Biochemical Oxygen Demand		= 9			Grab	0.06	elelectrochemical
Chemical Oxygen Demand		= 63			Grab	8	Digestion & Colorimetric
Dissolved Oxygen	= 0				Grab	0.2	ISE
Hardness (as $CaCO_3$)	= 0				Grab	1	Titrimetric
Total Nitrogen (as N)		= 2.49			Grab	0.5	digestion+colorimetric
Nitrite (as N)		< 0.1			Grab	0.1	Colorimetric
Nitrate (as N)		< 0.5			Grab	0.5	Colorimetric
Total Phosphorous (as P)		= 0.15			Grab	0.05	digestion+colorimetric
OrthoPhosphate (as P)		= 0.1			Grab	0.05	Colorimetric
Sulphate (SO_4)		< 30			Grab	30	Turbidimetric
Phenols (Sum)		< 0.1			Grab	0.1	GC-MS2

For Orthophosphate: this monitoring should be undertaken on a sample filtered on 0.45µm filter paper
For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

Additional Comments:	default of 01/01/09 and 0 where no results are available , TBT testing not required

TABLE F.1(ii)(b): SURFACE/GROUND WATER MONITORING (Dangerous Substances)

Secondary Discharge Point

Discharge Point Code:	GW-4
MONITORING POINT CODE:	aGW-4d
Grid Ref (12 digits, 6E, 6N)	161006 / 043266 (Verifed using GPS)

Parameter	Results (µg/l)				Sampling method	Limit of Quantitation	Analysis method / technique
	01/01/09	03/11/09					
Atrazine		< 0.01			Grab	0.96	HPLC
Dichloromethane		< 1			Grab	1	GC MS1
Simazine		< 0.01			Grab	0.01	HPLC
Toluene		< 0.28			Grab	0.02	GC MS1
Tributyltin	= 0				Grab	0.02	GC MS1
Xylenes		< 0.73			Grab	1	GC MS1
Arsenic		= 2.9			Grab	0.96	ICP-MS
Chromium		< 20			Grab	20	ICP-OES
Copper		< 20			Grab	20	ICP-OES
Cyanide		< 5			Grab	5	Colorimetric
Flouride		= 72			Grab	100	ISE
Lead		< 20			Grab	20	ICP-OES
Nickel		< 20			Grab	20	ICP-OES
Zinc		< 20			Grab	20	ICP-OES
Boron		= 60.41			Grab	20	ICP-OES
Cadmium		< 20			Grab	20	ICP-OES
Mercury		< 0.03			Grab	0.03	ICP-MS
Selenium		= 3.6			Grab	0.74	ICP-MS
Barium		< 20			Grab	20	ICP-OES

Additional Comments:	

TABLE F.1(ii)(a): SURFACE/GROUND WATER MONITORING

Secondary Discharge Point

Discharge Point Code:	SW-2
MONITORING POINT CODE:	aSW-2d 2
Grid Ref (12 digits, 6E, 6N)	159151 / 045686 (Verifed using GPS)

Parameter	Results (mg/l)				Sampling method	Limit of Quantitation	Analysis method / technique
	01/01/09	03/11/09					
pH		= 7.8			Grab	2	Electrochemical
Temperature	= 0				Grab	0.5	Electrochemical
Electrical Conductivity (@ 25°C)		= 331			Grab	0.5	Electrochemical
Suspended Solids		= 6			Grab	0.5	Gravimetric
Ammonia (as N)		< 0.1			Grab	0.02	Colorimetric
Biochemical Oxygen Demand		< 1			Grab	0.06	Electrochemical
Chemical Oxygen Demand		< 21			Grab	8	Digestion & Colorimetric
Dissolved Oxygen	= 0				Grab	0.2	ISE
Hardness (as $CaCO_3$)	= 0				Grab	1	Titrimetric
Total Nitrogen (as N)		= 6.52			Grab	0.5	Digestion & Colorimetric
Nitrite (as N)		< 0.1			Grab	0.1	Colorimetric
Nitrate (as N)		= 5.38			Grab	0.5	Colorimetric
Total Phosphorous (as P)		< 0.05			Grab	0.2	Digestion & Colorimetric
OrthoPhosphate (as P)		< 0.05			Grab	0.02	Colorimetric
Sulphate (SO_4)		< 30			Grab	30	Turbidimetric
Phenols (Sum)	= 0				Grab	0.1	GC-MS2

For Orthophosphate: this monitoring should be undertaken on a sample filtered on 0.45µm filter paper
For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

Additional Comments:	default of 01/01/09 and 0 where no results are available , TBT testing not required

TABLE F.1(ii)(b): SURFACE/GROUND WATER MONITORING (Dangerous Substances)

Secondary Discharge Point

Discharge Point Code:	SW-2
MONITORING POINT CODE:	aSW-2d_2
Grid Ref (12 digits, 6E, 6N)	159151 / 045686 (Verifed using GPS)

Parameter	Results (µg/l)				Sampling method	Limit of Quantitation	Analysis method / technique
	01/01/09	03/11/09					
Atrazine	= 0				Grab	0.96	HPLC
Dichloromethane	= 0				Grab	1	GC-MS1
Simazine	= 0				Grab	0.01	HPLC
Toluene	= 0				Grab	0.02	GC-MS1
Tributyltin	= 0				Grab	0.02	GC-MS1
Xylenes	= 0				Grab	1	GC-MS1
Arsenic	= 0				Grab	0.96	ICP-MS
Chromium		< 20			Grab	20	ICP-OES
Copper		< 20			Grab	20	ICP-OES
Cyanide	= 0				Grab	5	Colorimetric
Flouride		= 45			Grab	100	ISE
Lead		< 20			Grab	20	ICP-OES
Nickel		< 20			Grab	20	ICP-OES
Zinc		< 20			Grab	20	ICP-OES
Boron		= 28.7			Grab	20	ICP-OES
Cadmium		> 20			Grab	20	ICP-OES
Mercury		< 0.03			Grab	0.2	ICP-MS
Selenium		= 4.4			Grab	0.74	ICP-MS
Barium		< 20			Grab	20	ICP-OES

Additional Comments:	TBT value is 0.02ug/l as Sn default of 01/01/09 and 0 where no results are available , TBT testing not required

Annex 2: Check List For Regulation 16 Compliance

Regulation 16 of the waste water discharge (Authorisation) Regulations 2007 (S.I. No. 684 of 2007) sets out the information which must, in all cases, accompany a discharge licence application. In order to ensure that the application fully complies with the legal requirements of regulation 16 of the 2007 Regulations, all applicants should complete the following.

In each case, refer to the attachment number(s), of your application which contains(s) the information requested in the appropiate sub-article.

Regulation 16(1) **In the case of an application for a waste water discharge licence, the application shall -**		**Attachment Number**	**Checked by Applicant**
(a)	give the name, address, telefax number (if any) and telephone number of the applicant (and, if different, of the operator of any treatment plant concerned) and the address to which correspondence relating to the application should be sent and, if the operator is a body corporate, the address of its registered office or principal office,	Application Form	Yes
(b)	give the name of the water services authority in whose functional area the relevant waste water discharge takes place or is to take place, if different from that of the applicant,	Application Form	Yes
(c)	give the location or postal address (including where appropriate, the name of the townland or townlands) and the National Grid reference of the location of the waste water treatment plant and/or the waste water discharge point or points to which the application relates,	Application Form	Yes
(d)	state the population equivalent of the agglomeration to which the application relates,	Application Form	Yes
(e)	specify the content and extent of the waste water discharge, the level of treatment provided, if any, and the flow and type of discharge,	Application Form	Yes
(f)	give details of the receiving water body, including its protected area status, if any, and details of any sensitive areas or protected areas or both in the vicinity of the discharge point or points likely to be affected by the discharge concerned, and for discharges to ground provide details of groundwater protection schemes in place for the receiving water body and all associated hydrogeological and geological assessments related to the receiving water environment in the vicinity of the discharge.	Application Form	Yes
(g)	identify monitoring and sampling points and indicate proposed arrangements for the monitoring of discharges and, if Regulation 17 does not apply, provide details of the likely environmental consequences of any such discharges,	Application Form	Yes
(h)	in the case of an existing waste water treatment plant, specify the sampling data pertaining to the discharge based on the samples taken in the 12 months preceding the making of the application,	Not Applicable	Yes
(i)	describe the existing or proposed measures, including emergency procedures, to prevent unintended waste water discharges and to minimise the impact on the environment of any such discharges,	Application Form	Yes
(j)	give particulars of the nearest downstream drinking water abstraction point or points to the discharge point or points,	Application Form	Yes
(k)	give details, and an assessment of the effects, of any existing or proposed emissions on the environment, including any environmental medium other than those into which the emissions are, or are to be made, and of proposed measures to prevent or eliminate or, where that is not practicable, to limit any pollution caused in such discharges,	Application Form	Yes
(l)	give detail of compliance with relevant monitoring requirements and treatment standards contained in any applicable Council Directives of Regulations,	Application Form	Yes
(m)	give details of any work necessary to meet relevant effluent discharge standards and a timeframe and schedule for such work.	Application Form	Yes
(n)	Any other information as may be stipulated by the Agency.	Application Form	Yes
Regulation 16(3) **Without prejudice to Regulation 16 (1) and (2), an application for a licence shall be accompanied by -**		**Attachment Number**	**Checked by Applicant**
(a)	a copy of the notice of intention to make an application given pursuant to Regulation 9,	Not Applicable	Yes
(b)	where appropriate, a copy of the notice given to a relevant water services authority under Regulation 13,	Not Applicable	Yes
(c)	Such other particulars, drawings, maps, reports and supporting documentation as are necessary to identify and describe, as appropriate -	Attachments A & B	Yes
(c) (i)	the point or points, including storm water overflows, from which a discharge or discharges take place or are to take place, and	Attachments A & B	Yes
(c) (ii)	the point or points at which monitoring and sampling are undertaken or are to be undertaken,	Attachments A & B	Yes
(d)	such fee as is appropriate having regard to the provisions of Regulations 38 and 39.	See Cover Letter	Yes

Regulation 16(4) **An original application shall be accompanied by 2 copies of it and of all accompanying documents and particulars as required under Regulation 16(3) in hardcopy or in an electronic or other format as specified by the Agency.**		**Attachment Number**	**Checked by Applicant**
1	An Original Application shall be accompanied by 2 copies of it and of all accompanying documents and particulars as required under regulation 16(3) in hardcopy or in electronic or other format as specified by the agancy.	Included	Yes
Regulation 16(5) **For the purpose of paragraph (4), all or part of the 2 copies of the said application and associated documents and particulars may, with the agreement of the Agency, be submitted in an electronic or other format specified by the Agency.**		**Attachment Number**	**Checked by Applicant**
1	Signed original.	Included	Yes
2	2 hardcopies of application provided or 2 CD versions of application (PDF files) provided.	Included	Yes
3	1 CD of geo-referenced digital files provided.	Included	Yes
Regulation 17 **Where a treatment plant associated with the relevant waste water works is or has been subject to the European Communities (Environmental Impact Assessment) Regulations 1989 to 2001, in addition to compliance with the requirements of Regulation 16, an application in respect of the relevant discharge shall be accompanied by a copy of an environmental impact statement and approval in accordance with the Act of 2000 in respect of the said development and may be submitted in an electronic or other format specified by the Agency**		**Attachment Number**	**Checked by Applicant**
3	2 CD versions of EIS, as PDF files, provided.	Not Applicable	Yes
1	EIA provided if applicable	Not Applicable	Yes
2	2 hardcopies of EIS provided if applicable.	Not Applicable	Yes
Regulation 24 **In the case of an application for a waste water discharge certificate of authorisation, the application shall –**		**Attachment Number**	**Checked by Applicant**
(a)	give the name, address, telefax number (if any) and telephone number of the applicant and the address to which correspondence relating to the application should be sent and, if the operator of the waste water works is a body corporate, the address of its registered office or principal office	Application Form	Yes
(b)	give the name of the water services authority in whose functional area the relevant waste water discharge takes place or is to take place, if different from that of the applicant,	Application Form	Yes
(c)	give the location or postal address (including where appropriate, the name of the townland or townlands) and the National Grid reference of the location of the discharge point or points to which the application relates,	Application Form	Yes
(d)	state the population equivalent of the agglomeration to which the application relates,	Application Form	Yes
(e)	in the case of an application for the review of a certificate, specify the reference number given to the relevant certificate in the register,	Application Form	Yes
(f)	specify the content and extent of the waste water discharge, the level of treatment provided and the flow and type of discharge,	Application Form	Yes
(g)	give details of the receiving water body, its protected area status, if any, and details of any sensitive areas or protected areas, or both, in the vicinity of the discharge point or points or likely to be affected by the discharge concerned,	Application Form	Yes
(h)	identify monitoring and sampling points and indicate proposed arrangements for the monitoring of discharges and of the likely environmental consequences of any such discharges,	Application Form	Yes
(i)	in the case of an existing discharge, specify the sampling data pertaining to the discharge based on the samples taken in the 12 months preceding the making of the application,	Not Applicable	Yes
(j)	describe the existing or proposed measures, including emergency procedures, to prevent unauthorised or unexpected waste water discharges and to minimise the impact on the environment of any such discharges,	Application Form	Yes
(k)	give particulars of the location of the nearest downstream drinking water abstraction point or points to the discharge point or points associated with the waste water works,	Not Applicable	Yes
(l)	give details of any designation under any Council Directive or Regulations that apply in relation to the receiving waters,	Application Form	Yes
(m)	give details of compliance with any applicable monitoring requirements and treatment standards,	Application Form	Yes
(n)	give details of any work necessary to meet relevant effluent discharge standards and a timeframe and schedule for such work,	Application Form	Yes
(o)	give any other information as may be stipulated by the Agency, and	Application Form	Yes
(p)	be accompanied by such fee as is appropriate having regard to the provisions of Regulations 38 and 39.	See Cover Letter	Yes