



**Cork
County Council**
Comhairle Contae Chorcaí

Environment Directorate

Inniscarra, Co. Cork

Section 4 Local Government (Water Pollution) Acts, 1977 to 2007

Application for Licence to Discharge to Waters Part 2: Application Form

I hereby make an application for a licence under Section 4 of the Local Government (Water Pollution) Acts 1977 to 2007, to discharge trade effluent / sewage effluent / other matter [delete as appropriate] in accordance with the plans and particulars attached.

I declare, to the best of my knowledge and belief that the information submitted in this application is correct.

Checklist: I confirm that I have enclosed:

	Please tick
Five copies of the completed application form	
Five copies of the site location map	
Five copies of full drawings of the site drainage and wastewater treatment works	
Five copies of drawings showing effluent discharge point	
Five copies of the particulars of receiving waters and an assessment of potential ecological impacts, and SPR assessment as appropriate.	
Five copies of relevant Newspaper Notice	
Fee of €380.00	

Signed _____

Date: _____

Name (in block capitals) _____

Position in Company _____

On behalf of _____

Please read Part 1: Guidance Notes prior to completing this form

Please indicate whether this application is for a discharge to waters or groundwaters, and whether this is a new licence application or an application for a review of an existing licence. Tick as appropriate

Surface Water		Ground Water	
New Application		Review Application	
If the application is in respect of a review, please provide reason for application			

Section 1: Applicant Details **(To be completed by All Applicants)**

1.1. Full name of applicant(s):

Applicant(s) must be a legal entity (individual, sole trader, partnership or body corporate).
Note: This is the name that the licence will be issued to.

Name(s):	
-----------------	--

1.2 Full address of applicant(s)

The address of the principal place of business, or in the case of a body corporate the registered or principal office, of the applicant(s) and where applicable, the telephone number and e-mail address of the applicant(s)

Address:	
Tel:	
e-mail:	
Contact Name:	

Address of agent acting on behalf of an applicant, the address to which correspondence relating to the application should be sent:

Name	
Address	
Tel:	
e-mail:	

1.3 Is the applicant a body corporate?

Yes

No

If yes please give the company number and supply a copy of the appropriate certificate issued by the Companies Registration Office and give the specified Company Registration or Trade Name if trading under a name. Note. Companies registered in other EU states who have an operation in Ireland must be registered in Ireland under S.I. No. 395/1993: European Communities (Branch Disclosures) Regulations, 1993.

Company Number:	
Document(s) Reference:	

1.4 All trade name(s) used or proposed to be used by the applicant(s):

*Note: any trade names must be registered with the Revenue Commissioners. A copy of a certificate of registration of a business name must be submitted with this application.

Trade Name:	
Trade Name:	

1.5 Is the applicant(s) a partnership?

Yes

No

If the applicant is a partnership, give the names and addresses of all partners:

	Name:	Address
Applicant 1		
Applicant 2		
Applicant 3		

1.6 The location or postal address of the premises to which the licence application relates and if different, from which the effluent or other matter is to be discharged

	Premises	Discharge Location
Address:		
Townland:		
National Grid Reference	(10 digit 5E,5N)	(10 digit 5E,5N)

1.7 Planning Permission

State the planning permission or planning application number (whichever is applicable at the time of submission of the application) for the premises, along with the name of the planning authority who issued it. If a certificate/declaration of exemption applies, please state this and supply a copy of the certificate/declaration of exemption:

Planning Permission Number :	
Planning Application Number:	
Document(s) Reference:	

1.8 Newspaper Advertisement

Publication	
Date:	

1.9 Declaration

I hereby make application under Section 4 of the Local Government (Water Pollution) Acts 1977 to 2007, to discharge trade effluent / sewage effluent / other matter [delete as appropriate] in accordance with the plans and particulars attached.

Signed _____ **Date:** _____

Name (in block capitals) _____

Position in Company _____

Section 2 Details of Discharge

(To be completed by All Applicants)

- 2.1** If an effluent is a trade effluent or other matter, give a brief description of the process or activity which gives rise to the effluent. (Use separate sheets if necessary):

- 2.2** Location of Point(s) of Discharge: (All discharge locations to be indicated clearly on a 1/2500 Ordnance Survey map. Please use separate sheets if necessary)

Emission Point Ref. No	Location	Purpose

- 2.3** Particulars of surface water disposal arrangements or any other discharges from the premises: (all discharge points shall be indicated on the accompanying drawings)

--

- 2.4** Has the discharge been screened for potential presence of Priority Substances/Priority Hazardous Substances? (Ref. Appendix 2 & 3)

--

2.5 Details of Premises

Hours of Business at Premises:	
Number of Persons Employed on Site:	
Date of Commencement of Discharge:	
Is there an Environmental Management Plan in place in respect of the site	

2.6 Discharge Details

Is the Primary Discharge a Direct or an Indirect Discharge?	<input type="checkbox"/> Direct Discharge to Surface waters (<i>complete Section 4</i>) <input type="checkbox"/> Indirect Discharge to groundwater via Percolation Area, Soakage Pit, Filter System or Other Method (<i>complete Section 5</i>) Where discharge is via a percolation area, soakage pit, filter system, constructed wetland or other method, provide details of the design and construction of same and include such drawings.
--	---

2.7 Volume of Effluent to be discharged

Normal DWF per Day		m ³ / day
Maximum DWF in any one day		m ³ / day
Maximum DWF Rate per Hour		m ³ / hr
Temporal/Seasonal Variations in Discharge (if any)		

2.8.1 Waste Water Treatment System

Provide particulars of the existing / proposed effluent treatment system.	Provide copies of the treatment system process drawings. Provide details of performance standards. Full Drawings of treatment plant must be supplied.
Description of the proposed measures for the control of Fats, oils and grease	
Provide details of proposals for dealing with any sludge, separated solids or fractions arising from the treatment process. (Note: Appropriately Licensed contractors must be used).	

2.8.2 Plant Operation (Details of who will operate the wastewater treatment plant)

Name			
Contact number			
Where the treatment system is to be maintained and operated by a third party please provide the following:			
Contracted Company Name			
Contact Name			
Address			
Phone Number (day)			
Phone Number (out of hours)			
e-mail			
Maintenance contract signed by both parties attached?	Yes		Note: If answer is "No" please provide a reason why a contract was not submitted:
	No		

Section 3. Effluent Monitoring & Emergency Control Measures

(To be completed by All Applicants)

3.1 Details of Provisions Made for Sampling and Measurement of Discharge

(Table 3 should be completed to detail all monitoring facilities).

Provide details of the monitoring proposed for the effluent discharge Provide additional sheets where necessary.	
Effluent Flow Monitoring Provide details of any proposals to monitor the discharge flow rate.	
Licensing Authority Monitoring Point details Eg. last manhole before outfall	
National Grid Reference (10 digit 5E,5N)	

3.2 Emergency response/ pollution control measures Details

Provide details of the emergency control measures for the treatment system inspection including frequency of inspection, details of all overflows, emergency storage, high level alarms, GSM diallout etc.

Provide details of arrangements to prevent accidental discharges.			
Identify how any failure of the treatment system will be detected.			
Provide details of any emergency procedure.			
Emergency Response Contact Person	Contact Name		
	Phone Number (day)		
	Phone Number (out of hours)		
Is there an emergency overflow from the system?	Yes		If yes provide details, and identify location of overflow on drawings.
	No		

Section 4 – Discharges to Surface Waters

(Section 4 is to be completed by Applicants for discharges to Surface Waters only)

Details of Receiving Waters

Name of Receiving Water:			
Waterbody code			
Current Waterbody Status			
Current Waterbody Risk			
Dry Weather Flow		m ³ /sec	
Mean Flow		m ³ /sec	
95%ile Flow		m ³ /sec	
Is the receiving water located within or adjacent to the boundary of any of the following?			
An SAC		SAC Code:	
An SPA		SPA Code:	
An NHA		NHA Code:	
Salmonid waters			
Bathing waters			
Drinking water for Abstraction			
Sensitive waters under UWWD			
Shellfish waters			
<p>If Yes to any of the above, please contact the Licensing Department of Cork County Council as a Statement for Appropriate Assessment may be required. Please refer to guidance notes. A register of designated protected waters can be viewed at www.swrbd.ie . Please see attached appendix 1 in Guidance notes for information purposes as a decision chart and a screening assessment is required for all applications to waters.</p>			
Was an assimilative capacity assessment and mass balance undertaken and submitted to demonstrate effect on receiving waters?	Yes		
	No		

Section 5 – Discharges to Ground Waters

(Section 5 is to be completed by Applicants for discharges to Ground Waters only)

Aquifer Characteristics & Receptor Details

Name of Receiving Groundwater body:				
Waterbody code				
Current Waterbody Status				
Current Waterbody Risk				
Is the receiving water located within or adjacent to the boundary of any of the following?				
An SAC		SAC Code:		
An SPA		SPA Code:		
An NHA		NHA Code:		
Salmonid waters				
Bathing waters				
Freshwater Pearl mussel waters				
Drinking water for Abstraction				
Sensitive waters under UWWD				
Shellfish waters				
Is a GWDTE Located within 1km of the Discharge?	Yes		No	
If yes, please give details				
<p>If Yes to any of the above, please contact the Licensing Department of Cork County Council as a Statement for Appropriate Assessment may be required. Please refer to guidance notes. A register of designated protected waters can be viewed at www.catchments.ie Please see attached appendix 1 in Guidance notes for information purposes as a decision chart and a screening assessment is required for all applications to waters.</p>				
Nearby Surface Water Features	Show the location of nearby surface waters e.g. rivers, streams, lakes and field drainage ditches within 250m of the discharge on a map.			
Drinking Water Abstractions	<p>Provide the name of any Public/Group Water Supply Schemes, or a source protection zone within 1km of the discharge and mark their location on a map.</p> <p>Mark the location of any domestic wells located within 250m of the discharge on a map.</p>			

Soil & Bedrock	Soil type		
	Subsoil type		
	Bedrock Type		
	Karst features		
Aquifer Category and Vulnerability	Aquifer Category		
	Vulnerability Rating		
	Depth to water table		
	Groundwater protection Response		
Topography & Groundwater Flow Direction	Steep (>1:5)		
	Shallow (1:5-1:20)		
	Relatively Flat (<1:20)		
	Mark groundwater flow direction on a map.		
Hydraulic Loading	Effluent Discharge Rate (maximum)		m ³ /day
	Recharge Volume is		m ³ /day
	Hydraulic loading rate		m ³ /day
Has an "SPR" assessment being completed and enclosed?	Yes	No	

Section 6 – Ecological Screening
(Section 6 is to be completed by all Applicants)

What projects must be screened?		
For new projects and significant changes to any existing operations, if the answer is 'yes' to any of the following, the project (i.e. construction, operation and maintenance) must be screened for its impacts		
		Yes / No
1.	Is the development in or on the boundary of a nature conservation site NHA/SAC/SPA?	
2.	Will nationally protected species be directly impacted? Wildlife Acts (1976 and 2000), Flora Protection order (S.I. 94 of 1999)?	
3.	Is the development a surface water discharge or abstraction in the surface water catchment, or immediately downstream of a nature conservation site with water dependant qualifying habitats/ species?	
4.	Is the development a groundwater discharge or abstraction in the ground water catchment or within 5 km of a nature conservation site with water-dependant qualifying habitats/species2?	
5.	Is the development in the surface water or groundwater catchment of salmonid waters?	
6.	Is the treatment plant in an active or former floodplain or flood zone of a river, lake, etc?	
7.	Is the development a surface discharge or abstraction to or from marine waters and within 3km of a marine nature conservation site?	
8.	Will the project in combination with other projects (existing and proposed) or changes to such projects affect the hydrology or water levels of sites of nature conservation interest or the habitats of protected species?	

Is there an Appropriate Assessment and/or Habitats Screening assessment accompanying this application?

Yes	
-----	--

No	
----	--

--

TABLE 1: Characteristics of emission (To be completed by All Applicants).

Emission Point Reference No. _____ (1 table per emission point)	Note: (1) Please contact the Environment Dept. for guidance, not all parameters may be required (2) See Appendix 2 & 3						
	Prior to pre-treatment			As Discharged			% Removal
Parameter ¹	Max. Hourly average	Max. Daily average	Kg/Day	Max. Hourly average	Max. daily average	Kg/day	
pH							
Temperature (°C)							
BOD ₍₅₎ (mg/l)							
COD (mg/l)							
Suspended Solids (mg/l)							
Total Phosphorous (mg/l as P)							
Orthophosphate (mg/l as P)							
Total Nitrogen (mg/l as N)							
Ammonia (mg/l as N)							
Oils, fats and greases (mg/l)							
Nitrate (mg/l as N)							
Sulphates (mg/l)							
Detergents (as MBAS) (mg/l)							
Cyanide (ug/l)							
Fluoride (ug/l)							
Dichloromethane (ug/l)							
Atrazine (ug/l)							
Simazine (ug/l)							
Phenols (ug/l)							
Toluene (ug/l)							
Xylenes (ug/l)							
Tributyltin (ug/l)							
Arsenic (ug/l)							
Barium (ug/l)							
Boron (ug/l)							
Cadmium (ug/l)							
Chromium (ug/l)							
Copper (ug/l)							
Lead (ug/l)							
Mercury (ug/l)							
Nickel (ug/l)							
Selenium (ug/l)							
Zinc (ug/l)							
EC List I ⁽²⁾ (Specify)							
EC List II ⁽²⁾ (Specify)							

TABLE 2: Details of process related raw materials, products, wastes, sludges, separated solids used or generated on site, and recovery/disposal route.

(Note: To be completed by All Applicants)

Material/ Substance ¹	Amount Stored (tonnes)	Disposal Route (if applicable)	Risk Phrase ⁽²⁾	Safety Phrase ⁽²⁾

1 State whether List I or List II as per Appendix 1

2 Refer. Schedules 2 and 3 of S.I. No. 77/94

TABLE 3: MONITORING Points

(Note: To be completed by All Applicants)

Point Reference No.	Location	Equipment in place	Parameters Monitored	Frequency of monitoring
Surface Water				
Groundwater				

APPENDIX 2: List prepared from Screening Recommendation lists by EPA - Parameters that may require screening in Waste Water Discharges

No.	Compound	Group of compounds
1	Benzene	VOCs
2	Carbon tetrachloride	VOCs
3	1,2-Dichloroethane	VOCs
4	Dichloromethane	VOCs
5	Tetrachloroethylene	VOCs
6	Trichloroethylene	VOCs
7	Trichlorobenzenes	VOCs
8	Trichloromethane	VOCs
9	Xylenes (all isomers):	VOCs
10	Ethyl Benzene	VOCs
11	Toluene	VOCs
12	Naphthlene	PAHs
13	Fluoranthene	PAHs
14	Benzo[k]fluoranthene	PAHs
15	Benzo[ghi]perylene	PAHs
16	Indeno[1,2,3-c,d]pyrene	PAHs
17	Benzo[b]fluoranthene	PAHs
18	Benzo[a]pyrene	PAHs
19	Di(2-ethylhexyl)phthalate (DEHP)	Plasticiser
20	Isodrin	Pesticides
21	Dieldrin	Pesticides
22	Diuron	Pesticides
23	Isoproturon	Pesticides
24	Atrazine	Pesticides
25	Simazine	Pesticides
26	Glyphosate	Pesticides
27	Mecoprop	Pesticides
28	2,4-D	Pesticides
29	MCPA	Pesticides
30	Linuron	Pesticides
31	Dichlobenil	Pesticides
32	2,6-Dichlorobenzamide	Pesticides
33	PCBs	PCBs
34	Phenols (as Total C)	Phenols
35	Lead	Metals
36	Arsenic	Metals
37	Copper	Metals
38	Zinc	Metals
39	Cadmium	Metals
40	Mercury	Metals
41	Chromium	Metals
42	Selenium	Metals
43	Antimony	Metals
44	Molybdenum	Metals
45	Tin	Metals
46	Barium	Metals
47	Boron	Metals
48	Cobalt	Metals
49	Vanadium	Metals
50	Nickel	Metals
51	Fluoride	General
52	Chloride	General
53	TOC	General
54	Cyanide	General

Appendix 3

DIRECTIVE 2006/11/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 15 February 2006 on pollution caused by certain dangerous substances discharged into the aquatic environment of the Community

ANNEX I

List I of families and groups of substances

List I contains certain individual substances which belong to the following families and groups of substances, selected mainly on the basis of their toxicity, persistence and bioaccumulation, with the exception of those which are biologically harmless or which are rapidly converted into substances which are biologically harmless:

1. Organohalogen compounds and substances which may form such compounds in the aquatic environment;
 2. Organophosphorus compounds;
 3. Organotin compounds;
 4. Substances which have been proved to possess carcinogenic properties in or via the aquatic environment (Note-Where certain substances in List II are carcinogenic, they are included in category 4 of this list).
 5. Mercury and its compounds;
 6. Cadmium and its compounds;
 7. Persistent mineral oils and hydrocarbons of petroleum origin;
- and for the purposes of implementing articles 3, 7, 8 and 12:
8. Persistent synthetic substances which may float, remain in suspension or sink and which may interfere with any use of the waters.

List II of families and groups of substances

List II contains

:- Substances belonging to the families and groups of substances in List I for which the emission limit values laid down by the Directives referred to in Annex IX to Directive 2000/60/EC have not been determined by those Directives,

— Certain individual substances and categories of substances belonging to the families and groups of substances listed below,

and which have a deleterious effect on the aquatic environment, which can, however, be confined to a given area and which depends on the characteristics and location of the water into which such substances are discharged.

Families and groups of substances referred to in the second indent

1. The following metalloids and metals and their compounds:

1. Zinc	6. Selenium	11. Tin	16. Vanadium
2. Copper	7. Arsenic	12. Barium	17. Cobalt
3. Nickel	8. Antimony	13. Beryllium	18. Thallium
4. Chromium	9. Molybdenum	14. Boron	19. Tellurium
5. Lead	10. Titanium	15. Uranium	20. silver

2. Biocides and their derivatives not appearing in List I.

3. Substances which have a deleterious effect on the taste and/or smell of the products for human consumption derived from the aquatic environment, and compounds liable to give rise to such substances in water.

4. Toxic or persistent organic compounds of silicon, and substances which may give rise to such compounds in water, excluding those which are biologically harmless or are rapidly converted in water into harmless substances.

5. Inorganic compounds of phosphorus and elemental phosphorus.

6. Non persistent mineral oils and hydrocarbons of petroleum origin.

7. Cyanides, fluorides.

8. Substances which have an adverse effect on the oxygen balance, particularly :ammonia ,nitrites .