

WO1 - ANNEX 2
TRADE EFFLUENT DISCHARGES

<p><i>Official Use Only</i> File Ref:</p>

Please complete this annex if you are proposing to discharge trade effluent (this includes site drainage).

1. a) Describe in full the trade effluent and the process(es) from which it arises.

b) Please state the type and number of treatment units you are proposing to use (if site drainage please include details of oil/petrol interception facilities).

2. i) Please state the maximum quantity it is proposed to discharge in any one day. Briefly state how this figure was calculated (see note iii).

m³/day

ii) Please state the **maximum** rate of discharge.

Litres/sec

2.1 a) Indicate proposed means of discharge - tick as appropriate and show on plan:- (for 1, 2 & 3 please state dimensions below)

- | | |
|-------------------------------------|--|
| 1. Pipe <input type="checkbox"/> | 3. Culvert <input type="checkbox"/> |
| 2. Channel <input type="checkbox"/> | 4. Other (please specify below) <input type="checkbox"/> |

b) Irish Grid Reference(s) of point(s) of discharge (see note iv)

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2.2 a) Irish Grid Reference(s) of manhole or sampling chamber.

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b) What flow measurement facilities will be provided? (see note vi)
Please give details

2.3 a) Type of Treatment Plant(s) to be used - tick as appropriate:-

Treatment Plant Other
*Settlement System Interceptor

* If settlement system proposed please state dimensions:-

b) Will the treatment process involve the use of any chemicals (eg, ferric salts, polyelectrolytes) If yes, please give details. Yes No

2.4 a) Is the discharge existing or proposed If proposed:

On what date do you anticipate the discharge will commence? / /

b) If you require the consent for a limited time period please give dates; from: / / to: / /

c) If the discharge is not continuous please detail the period/circumstances when it will occur.

3. Receiving Medium - tick the category(s) to which the proposed discharge(s) is(are) to be made:-

- 1. Estuary (tidal river or stream) 5. Into Land
- 2. River or Stream (non-tidal) 6. Onto Land
- 3. Sub-Surface Irrigation System 7. Directly into Groundwater
- 4. Lake, or Pond 8. Coastal Water (see note vii)
- 9. Waterway via Sub-Surface Irrigation system

State name of receiving waterway if known:

3.1 In the case of sub-surface irrigation systems:-

- (a) Is any part of the system within 5 metres of the boundary of the premises? Yes No
- (b) Is any part of the system within 10 metres of a watercourse? Yes No
- (c) Is any part of the system within 50 metres of a borehole or spring? Yes No
- (d) Percolation tests must be carried out in accordance with British Standard BS6297:1983. Have tests been carried out? If yes please provide details below. Yes No

Date of Pre-soaking
Date of Test
Average percolation value obtained:
Minimum area of the sub-surface irrigation system will be m²
Minimum length of irrigation drains will be metres
Icertify that the percolation test was carried out in accordance with British Standard BS 6297: 1983. (See Guidance Notes at Appendix 1.)

4. **Rainfall Dependent Discharges**

a) Will the volume be rainfall dependent? Yes No

b) If yes, please give the total area drained. m²

c) Please give details of any activities which occur in the drainage area which could contaminate surface water (see note b).

5. **Rainfall Independent Discharges**

a) What is the maximum rate of discharge? l/s

b) What is the average daily flow? m³/d

c) What is the maximum daily flow? m³/d

d) For discharges where the source of supply is other than mains water:

i) give the Irish Grid Reference of a point where the influent can be sampled.

// (please mark on the plan)

6. a) Will any self monitoring take place? Yes No
If yes, please give details.

b) Will automatic sampling equipment be provided? Yes No
If yes, please give details of type, frequency and location
(please indicate on plan)

7. Has an application for Authorisation been made for a 'prescribed process' under The Industrial Pollution Control (Northern Ireland) Order 1997? Yes No

If yes, please complete the following:-

a) The application reference

b) Contact name of IPRI officer

8. Nature and Composition of Raw Effluent - (if known)

(i)	Biochemical Oxygen Demand (5 Days)	
(ii)	Suspended Solids (mg/litre)	
(iii)	pH Value.	
(iv)	Temperature	
(v)	Other Information	

9. a) Please indicate if any of the specified substances given below or their compounds will be present in the effluent and if so at what maximum concentration (please give values in micrograms per litre - µg/l). Please see note c.

EC DANGEROUS SUBSTANCES DIRECTIVE/UK RED LIST

LIST I

		CONCENTRATION (ug/l)		
		MAX	MIN	MEAN
1.	<input type="checkbox"/> Cadmium (Total and dissolved) and its compounds	.....	.....	.....
2.	<input type="checkbox"/> Carbon tetrachloride	.....	.....	.....
3.	<input type="checkbox"/> Chloroform	.....	.....	.....
4.	<input type="checkbox"/> DDT (the isomers of 1,1,1-trichloro-2,2 bis (p-chlorophenyl ethane)	.....	.....	.....
5.	<input type="checkbox"/> "The Drins" (aldrin, dieldrin, endrin and isodrin)	.....	.....	.....
6.	<input type="checkbox"/> 1,2-Dichloroethane (EDC)	.....	.....	.....
7.	<input type="checkbox"/> Hexachlorobenzene (HCB)	.....	.....	.....
8.	<input type="checkbox"/> Hexachlorobutadiene (HCBd)	.....	.....	.....
9.	<input type="checkbox"/> Hexachlorocyclohexane (lindane and related compounds)	.....	.....	.....
10.	<input type="checkbox"/> Mercury (Total and dissolved and its compounds)	.....	.....	.....
11.	<input type="checkbox"/> Pentachlorophenol (PCP)	.....	.....	.....
12.	<input type="checkbox"/> Tetrachloroethylene (PER)	.....	.....	.....
13.	<input type="checkbox"/> Trichlorobenzene (1,2,3-TCB, 1,2,4-TCB, 1,3,5-TCB)	.....	.....	.....
14.	<input type="checkbox"/> Trichloroethylene (TRI)	.....	.....	.....

LIST II

		MAX	MIN	MEAN
15.	<input type="checkbox"/> Arsenic (Dissolved)	.....	.....	.....
16.	<input type="checkbox"/> Boron (Total)	.....	.....	.....
17.	<input type="checkbox"/> Chromium (Total and dissolved)	.....	.....	.....
18.	<input type="checkbox"/> Copper (Total and dissolved)	.....	.....	.....
19.	<input type="checkbox"/> Cyanide	.....	.....	.....
20.	<input type="checkbox"/> Cyfluthrin	.....	.....	.....
21.	<input type="checkbox"/> Iron (Total and dissolved)	.....	.....	.....
22.	<input type="checkbox"/> Lead	.....	.....	.....
23.	<input type="checkbox"/> Nickel (Total and dissolved)	.....	.....	.....
24.	<input type="checkbox"/> Perchloroethylene	.....	.....	.....
25.	<input type="checkbox"/> Permethrin	.....	.....	.....
26.	<input type="checkbox"/> Polychlorinated biphenyls (PCB)	.....	.....	.....
27.	<input type="checkbox"/> Organotins (tributyltin & triphenyltin compounds)	.....	.....	.....
28.	<input type="checkbox"/> Vanadium	.....	.....	.....
29.	<input type="checkbox"/> Zinc (Total and dissolved)	.....	.....	.....
30.	<input type="checkbox"/> pH if outside the range 5.5 to 9.0	.....	.....	.....
31.	<input type="checkbox"/> PCSD	.....	.....	.....
32.	<input type="checkbox"/> Sulcofuron	.....	.....	.....
33.	<input type="checkbox"/> Flucofuron	.....	.....	.....

ADDITIONAL SUBSTANCES

34.	<input type="checkbox"/> Atrazine	.....	.....	.....
35.	<input type="checkbox"/> Azinphos-ethyl	.....	.....	.....
36.	<input type="checkbox"/> Azinphos-methyl	.....	.....	.....
37.	<input type="checkbox"/> Dichlorvos	.....	.....	.....
38.	<input type="checkbox"/> Dioxins	.....	.....	.....
39.	<input type="checkbox"/> Endosulfan	.....	.....	.....
40.	<input type="checkbox"/> Fenthion	.....	.....	.....
41.	<input type="checkbox"/> Fenitrothion	.....	.....	.....
42.	<input type="checkbox"/> Malathion	.....	.....	.....
43.	<input type="checkbox"/> Parathion	.....	.....	.....
44.	<input type="checkbox"/> Parathion-methyl	.....	.....	.....
45.	<input type="checkbox"/> Simazine	.....	.....	.....
46.	<input type="checkbox"/> 1,1,1 Trichloroethane	.....	.....	.....
47.	<input type="checkbox"/> Triforalin	.....	.....	.....
48.	<input type="checkbox"/> 4-Chloro --methyl-phenol	.....	.....	.....
49.	<input type="checkbox"/> 2-Chlorophenol	.....	.....	.....
50.	<input type="checkbox"/> 2, 4-Dichlorophenol	.....	.....	.....
51.	<input type="checkbox"/> 2, 4-D (ester)	.....	.....	.....
52.	<input type="checkbox"/> 2, 4-D (non-ester)	.....	.....	.....
53.	<input type="checkbox"/> 1, 1, 2-Trichloroethane	.....	.....	.....
54.	<input type="checkbox"/> Bentazone	.....	.....	.....
55.	<input type="checkbox"/> Benzene	.....	.....	.....
56.	<input type="checkbox"/> Biphenyl	.....	.....	.....

		MAX	MIN	MEAN
57.	<input type="checkbox"/> Chloronitrotoluenes	.....	.....	.....
58.	<input type="checkbox"/> Demeton	.....	.....	.....
59.	<input type="checkbox"/> Dimethoate	.....	.....	.....
60.	<input type="checkbox"/> Linuron	.....	.....	.....
61.	<input type="checkbox"/> Mecoprop	.....	.....	.....
62.	<input type="checkbox"/> Naphthalene	.....	.....	.....
63.	<input type="checkbox"/> Omethoate	.....	.....	.....
64.	<input type="checkbox"/> Toluene	.....	.....	.....
65.	<input type="checkbox"/> Triazaphos	.....	.....	.....
66.	<input type="checkbox"/> Xylene	.....	.....	.....
67.	<input type="checkbox"/> Alachlor	.....	.....	.....
68.	<input type="checkbox"/> Anthracene	.....	.....	.....
69.	<input type="checkbox"/> Brominated diphenylether	.....	.....	.....
70.	<input type="checkbox"/> C ₁₀₋₁₃ -Chloroalkanes	.....	.....	.....
71.	<input type="checkbox"/> Chloropyrifos	.....	.....	.....
72.	<input type="checkbox"/> Dichloromethane	.....	.....	.....
73.	<input type="checkbox"/> Di-2-ethylhexyl phthalate (DEHP)	.....	.....	.....
74.	<input type="checkbox"/> Diuron	.....	.....	.....
75.	<input type="checkbox"/> Isoproturon	.....	.....	.....
76.	<input type="checkbox"/> Nonylphenols	.....	.....	.....
77.	<input type="checkbox"/> Octylphenols	.....	.....	.....
78.	<input type="checkbox"/> Polyaromatic hydrocarbons	.....	.....	.....
	Other substance(s) that should be taken into account	.....	.....	.....

This list is applicable as at 1 November 2000.

Are there any other significant chemical components used on site which may be contained in the effluent, including biocides or additives?
If yes, please give details

Yes No

Notes (see also the notes attached to the main form):

- a) For direct trade effluent discharges, full details of the type of the effluent are required (eg, cooling water from air conditioning units), along with typical analytical details and the results of any toxicity studies on the effluent or its constituents. In certain circumstances the Department may require that specific samples be taken and tests and analysis carried out.
- b) Possible sources of contamination include oil/chemical storage areas, vehicle loading/unloading areas, heavy vehicle parking areas and oil/petrol filling points. Any other potential sources of contamination should be detailed.
- c) Where discharges of trade effluent take place to a sewerage system, as covered by this application, please give details of all authorised discharges of substances listed in table 7 overleaf.



Our aim is to protect and conserve the natural and built environment and to promote its appreciation for the benefit of present and future generations.

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