

THE ENVIRONMENT PROTECTION ACT 2002

Regulations made by the Minister under Section 96 of the Environment Protection Act 2002

1. These regulations may be cited as the Environment Protection (Effluent Discharge Permit) Regulations 2003

2. In these regulations -

"Act " means the Environment Protection Act 2002;

"effluent" means water sullied or contaminated by any matter, in solution or suspension and derived from the use of the water in connection with domestic, industrial or other activities;

"industrial slaughtering plant" means a plant that processes not less than 5000 birds per month.

Amended by [GN43/04]

"Livestock breeding" means

- (a) a cattle operation of over 50 heads reared collectively at one site at any time and producing liquid effluents; or
- (b) a pig operation of over 20 heads reared collectively at one site at any time;

Amended by [GN43/04]

"Mechanical workshop" means a workshop carrying out repairs and maintenance of buses, trucks, cars or heavy mechanical plants or engines and generating not less than 600 litres of used oil per month.

Amended by [GN43/04]

"permit" means an Effluent Discharge Permit issued under regulation 5(1);

"slaughtering" means the processing of live birds such as chicken, ducks, turkey into carcasses for consumption;

Amended by [GN43/04]

"wastewater system" has the same meaning as in the Wastewater Management Act 2000;

"water body" includes a stream, a river, a canal, a lake, a pond, an impounding reservoir, an estuary, a wetland, a lagoon, sea and underground water;

¹ Amended by GN No.143 of 2003 and GN No.43 of 2004

“watercourse” means any natural or artificial channel, pipe or conduit, excluding the wastewater system, carrying or that may carry water and discharging directly or indirectly into a water body.

3. (1) No person shall discharge or cause to be discharged any effluent from any of the activities set out in the First Schedule into a watercourse, water body or onto any land unless he has an Effluent Discharge Permit from the appropriate enforcing agency.

(2) Notwithstanding paragraph (1), no person shall discharge or cause to be discharged any effluent into any watercourse or water body from which water is, or is likely to be, abstracted for domestic purposes.

(3) A person who wishes to obtain a permit referred to in paragraph (1) shall make an application to the appropriate enforcing agency.

4. (1) An application for a permit shall be made in the form set out in the Second Schedule.

(2) In the case of an activity set out in the First Schedule already in operation at the time of an application, the person responsible for the activity shall within 3 months after the coming into force of these regulations submit a certificate showing the result of an analysis of the effluent together with the application for a permit.

(3) An application for a permit shall be accompanied by a contingency plan specifying measures that shall be taken by the applicant in case of breakdown or failure in the treatment works or process.

5. (1) Where it is satisfied that an applicant has complied with the Act and any regulations made under the Act, the enforcing agency may issue a permit in the form specified in the Third Schedule to the applicant upon payment of such fee as specified in the Fourth Schedule.

Amended by [GN43/04]

(2) A permit issued under paragraph (1) shall specify -

- (a) the maximum volume of effluent that may be discharged daily;
- (b) the maximum rate at which any effluent may be discharged at any time;
- (c) the method of sampling and location of sampling points of the effluent;
- (d) the frequency of analysis to be conducted in respect of the effluent.

(3) A permit shall be valid for a period of 3 years.

6. The person responsible for an activity shall cause the result of analysis of an effluent to be sent to the Department of Environment and to the appropriate enforcing

agency on a quarterly basis, specifying the method, date, time and location of sampling for each and every sample.

Amended by [GN43/04]

7. For the purpose of regulations 4(2) and 6, the method of sampling, the sample storage and method of analysis shall be those recommended by the enforcing agency.

8. (1) An application for the renewal of a permit shall be made -

(a) in the form set out in the Fifth Schedule;

(b) at least 3 months before the expiry of the permit.

Amended by [GN43/04]

(2) The enforcing agency may renew a permit if it is satisfied that the applicant has complied with the Act and any regulations made under the Act, and upon payment of such fee as specified in the Fourth Schedule.

Amended by [GN43/04]

9. (1) Subject to paragraph (2), where the holder of a permit fails to comply with these regulations, the enforcing agency may revoke the permit.

(2) The enforcing agency shall not revoke a permit unless it has requested the holder thereof to submit reasons in writing why his permit should not be revoked.

10. These regulations shall come into operation on 01 April 2004.

Amended by [GN43/04]

Made by the Minister on 24 March 2004.

FIRST SCHEDULE

(regulation 3(1))

List of industrial activities requiring an Effluent Discharge Permit

Beverages Industries
Breweries and Distilleries
Canning and Food Processing
Dairy Processing
Dye houses and Washing Units in the textile sector
Edible Oil Refining
Industrial Slaughtering
Laundry processes
Livestock Breeding
Manufacture of Chemical Fertilizers
Manufacture of Soaps and Detergents and Bulk Storage of raw materials
Mechanical Workshop
Metal Plating and Galvanising
Paint Manufacturing
Sugar Manufacturing Industries and Refineries
Tanning
Thermal Power Plant Operation

Amended by [GN43/04]

SECOND SCHEDULE

(regulation 4(1))

Application for a permit in respect of discharge of any effluent into any watercourse or water body or onto any land

To:
(name of enforcing agency)

PARTICULARS

1. Name of applicant
Address
Phone No./ Fax No.
E-mail
2. Name and location of water body/watercourse
3. Location of discharge point *(location plan to be annexed)*.....
.....
4. Nature and composition of the effluents to be discharged *(Analysis certificate/s to be attached where appropriate)*
.....
.....
.....
5. Frequency of discharge of effluent
6. Maximum daily volume of effluent to be discharged
7. Maximum rate of discharge
8. Equipment/device for measurement of volume/rate of discharge of effluent.....
.....
9. Sampling:
 - (i) Method

(ii) Frequency

.....

(iii) Location

.....

10. Method of analysis per parameter *

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.....

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.....

I/We request that I/We may be granted an Effluent Discharge Permit in accordance with the particulars given above.

I/We undertake to comply with prescribed standards.

I/We also undertake to submit to the Department of Environment and the Enforcing Agency a quarterly return of our compliance monitoring data.

Date

Name of applicant company/business

.....

Signature

Position of person signing, in the company or business

**A list of recommended methods, sampling, storage and methods of analysis is available at the relevant enforcing agency.*

FOR OFFICE USE ONLY

Permit No.

Issued on

Reference

Date

THIRD SCHEDULE
(regulation 5(1))
Effluent Discharge Permit

Permit No:

Name of Enforcing Agency:

Permit is granted to

(name of Permit holder)

of

(address of Permit holder)

to discharge the effluent from

(description of activity)

into

(description of water body)

at

(location of discharge point)

under the following specified conditions:

1. The maximum volume of effluent that may be discharged daily shall not exceed..
.....m³/day.
2. The maximum rate at which effluent may be discharged at any time shall not exceed
..... m³/hour.
3. The method of sampling
4. Location of sampling points.....
5. The frequency of analysis to be conducted in respect of the effluent parameters is as follows:

	<u>Parameter</u>	<u>Frequency of analysis*</u>
1.	Total coliforms	.....
2.	Faecal coliforms	.....
3.	E. Coli	.....
4.	Intestinal nematodes	.....
5.	Free Chlorine	.....
6.	Total Suspended Solids (TSS)	.....
7.	Total Dissolved Solids (TDS)	.....
8.	Sodium Adsorption Ratio (SAR)	.....
9.	Reactive Phosphorus	.....
10.	Colour	.....
11.	Temperature	.....
12.	pH	.....
13.	Chemical Oxygen Demand (COD)	.....
14.	Biochemical Oxygen Demand (BOD)	.....
15.	Chloride	.....
16.	Sulphate	.....
17.	Sulphide	.....
18.	Ammoniacal Nitrogen	.....
19.	Nitrate as N	.....
20.	Total Kjeldahl Nitrogen (TKN)	.....
21.	Nitrite as N	.....
22.	Aluminium	.....
23.	Arsenic	.....
24.	Beryllium	.....
25.	Boron	.....
26.	Cadmium	.....
27.	Chromium (VI)	.....
28.	Cobalt	.....

29.	Copper	.....
30.	Cyanide (as CN ⁻)
31.	Iron	.....
32.	Lead	.....
33.	Lithium	.....
34.	Manganese	.....
35.	Mercury	.....
36.	Molybdenum	.....
37.	Nickel	.....
38.	Selenium	.....
39.	Sodium	.....
40.	Total Chromium	.....
41.	Vanadium	.....
42.	Zinc	.....
43.	Oil & Greases	.....
44.	Total Pesticides	.....
45.	Total organic halides	.....
46.	Phenols	.....
47.	Detergents (as Linear Alkylate Sulphonate)	.....
48.	Others .....	.....

Note: * *The frequency of analysis is subject to review by the enforcing agency.*

6. This permit is granted for a period of years and expires on
Application for renewal shall be submitted 3 months before the expiry of this permit.
7. This permit is not transferable.
8. The abandonment of the discharge of the effluent shall be notified to the enforcing agency.

9. Daily record shall be kept on the volume of discharged effluent and on the maximum rate of discharge.
10. Analysis of the effluent shall be conducted at a frequency as specified at paragraph 5 of this permit.
11. Records specified in paragraph 9 and records of analysis specified in paragraph 10 shall be sent to the enforcing agency and copied to the Director of Environment on a quarterly basis.

Dated this day of, 20.....

.....
Name and Signature of Enforcing Agency

Amended by [GN43/04]

FOURTH SCHEDULE
(regulations 5(1) and 8(2))

FEES FOR ISSUE AND RENEWAL OF PERMIT

Industrial Activity	Fees Rs
Beverages Industries	3,000
Breweries and Distilleries.....	4,500
Canning and Food Processing.....	4,500
Dairy Processing	3,000
Dye houses and Washing Units in the textile sector	7,000
Edible Oil Refining	4,500
Industrial Slaughtering	4,500
Laundry processes	4,000
Livestock Breeding	4,500
Manufacture of Chemical Fertilizers	3,000
Manufacture of Soaps/Detergents and Bulk Storage of raw materials	4,000
Mechanical Workshop	3,500
Metal Plating and Galvanising	7,000
Paint Manufacturing	7,000
Sugar Manufacturing Industries and Refineries	2,000
Tanning	6,500
Thermal Power Plant Operation	2,500

FIFTH SCHEDULE

(regulation 8(1))

Application for the renewal of an Effluent Discharge Permit

To:.....
(name of enforcing agency)

I/We

being licensed to discharge effluent into

.....

hereby apply for the renewal of my/our Permit No.

dated

Date

Name of applicant company/business.....

.....

.....

Signature

Position of person signing, in the company or business

FOR OFFICE USE ONLY

New Permit No.

Issued on

Reference

Date