

# Environment Protection (Effluent Discharge Permit) (Amendment) Regulations 2004

GN No. 43 of 2004

## 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) (Amendment) Regulations 2004**.

2. In these regulations -

"principal regulations" means the **Environment Protection (Effluent Discharge Permit) Regulations 2003**.

3. Regulation 2 of the principal regulations is amended by adding the following definitions in their appropriate alphabetical order -

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

"livestock breeding" means -

(a) a cattle operation of over 50 heads reared collectively at one site at any time and generating liquid effluents; or

(b) a pig operation of over 20 heads reared collectively at one site at any time;

"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;

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

4. Regulation 5 of the principal regulations is amended in paragraph (1) -

(a) by inserting after the word "permit" the following words "in the form specified in the Third Schedule";

(b) by deleting the words "Third Schedule" and replacing them by the words "Fourth Schedule".

5. Regulation 6 of the principal regulations is amended by deleting the words "on a monthly basis" and replacing them by the words "on a quarterly basis".

**6. Regulation 8 of the principal regulations is amended as follows -**

- (a) in paragraph (1) (a), by deleting the words "Fourth Schedule" and replacing them by the words "Fifth Schedule";
- (b) in paragraph (2), by deleting the words "Third Schedule" and replacing them by the words "Fourth Schedule".

**7. The principal regulations are amended -**

- (a) by deleting the First Schedule and replacing it by the First Schedule to these regulations;
- (b) by deleting in the Second Schedule, at paragraph 10 of the particulars the word "monthly" and replacing it by the word "quarterly";
- (c) by inserting the Second Schedule to these regulations as the Third Schedule;
- (d) by deleting the Third Schedule and replacing it by the Fourth Schedule specified in the Third Schedule to these regulations;
- (e) by renumbering the Fourth Schedule as the Fifth Schedule.

**FIRST SCHEDULE**

(regulation 7(a))

**FIRST SCHEDULE**

(regulation 3(1))

**List of industrial activities requiring an Effluent Discharge Permit**

Beverage 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

**SECOND SCHEDULE**

(regulation 7(c))

**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 .....m<sup>3</sup>/day

2. The maximum rate at which effluent may be discharged at any time shall not exceed.....  
m<sup>3</sup>/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:

<b>Parameter</b>	<b>Frequency of analysis*</b>
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 & Grease	.....
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.....

.....

**THIRD SCHEDULE**

(regulation 7(d))

**FOURTH SCHEDULE**

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

**FEEES FOR ISSUE AND RENEWAL OF PERMIT**

<b>Industrial Activity</b>	<b>Fees Rs</b>
Beverage 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

Made by the Minister on 24th March, 2004.