

# **THE NATIONAL ENVIRONMENT ACT.**

Statutory Instrument 153—3.

## **The National Environment (Standards for Discharge of Effluent into Water or on Land) Regulations.**

### **Arrangement of Regulations.**

#### Regulation

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*Schedule* Standards for discharge of effluent or waste water.

# **THE NATIONAL ENVIRONMENT ACT.**

Statutory Instrument 153—3.

## **The National Environment (Standards for Discharge of Effluent into Water or on Land) Regulations.**

*(Under sections 26 and 107 of the Act.)*

### **1. Citation.**

These Regulations may be cited as the National Environment (Standards for Discharge of Effluent into Water or on Land) Regulations.

### **2. Interpretation.**

In these Regulations, unless the context otherwise requires, “executive director” means the executive director of the National Environment Authority appointed under section 11 of the National Environment Act.

### **3. Standards for effluent.**

(1) The standards for effluent or waste water before it is discharged into water or on land shall be as prescribed in the Schedule to these Regulations.

(2) The executive director or a person authorised by him or her may issue guidelines and recommend the method of treatment of effluent for industries or establishments so as to ensure assimilation by the water or land into which the effluent is discharged.

### **4. General obligation to mitigate pollution.**

(1) Every industry or establishment shall install at its premises, anti-pollution equipment for the treatment of effluent and chemical discharge emanating from the industry or establishment.

(2) Antipollution equipment installed under subregulation (1) of this regulation shall be based on the best practicable means, environmentally sound practice or other guidelines as the executive director may determine.

## **5. Duty to keep records.**

(1) A lead agency applying the standards established under these Regulations shall, as required by section 77 of the National Environment Act—

- (a) keep a record of the amount of waste generated by the activity and of the parameters of the discharges;
- (b) submit the record referred to in paragraph (a) of this subregulation to the executive director and to any other relevant lead agency, every three months from the commencement of the activity for which the permit was issued; and
- (c) report to the executive director any abnormal discharge of effluent.

(2) The executive director may, on receiving the record under subregulation (1) of this regulation, issue such guidelines as he or she considers necessary under the circumstances to ensure reduction of the discharge of effluent.

## **6. Offences and penalties.**

(1) A person who contravenes these Regulations commits an offence and is liable on conviction to imprisonment for a term not exceeding eighteen months or to a fine of not less than one hundred and eighty thousand shillings and not more than eighteen million shillings or both.

(2) The executive director may, in addition to any penalty imposed under subregulation (1) of this regulation, give directions as to steps to be taken to mitigate the damage caused as a result of the contravention, and the person liable shall comply with the directions.

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*Schedule.*

reg. 3.

**Standards for discharge of effluent or waste water.**

	Maximum permissible limits
1. 1,1,1,-trichloroethane	3.0 mg/l
2. 1,1,2-dichloroethylene	0.2 mg/l
3. 1,1,2,-trichloroethane	0.06 mg/l
4. 1,2-dichloroethane	0.04 mg/l
5. 1,3-dichloropropene	0.2 mg/l
6. Aluminium	0.5 mg/l
7. Ammonia nitrogen	10 mg/l
8. Arsenic	0.2 mg/l
9. Barium	10 mg/l
10. Benzene	0.2 mg/l
11. BOD <sub>5</sub>	50 mg/l
12. Boron	5 mg/l
13. Cadmium	0.1 mg/l
14. Calcium	100 mg/l
15. Chloride	500 mg/l
16. Chlorine	1 mg/l
17. Chromium (total)	1.0 mg/l
18. Chromium (VI)	0.05 mg/l
19. Cis-1,2-dichloroethylene	0.4 mg/l
20. Cobalt	1.0 mg/l
21. COD	100
22. Coliform organisms	10,000 counts/100 ml
23. Colour	300 TCU
24. Copper	1.0 mg/l
25. Cyanide	0.1 mg/l

	Maximum permissible limits
26. Detergents	10 mg/l
27. Dichloromethane	0.2 mg/l
28. Iron	10 mg/l
29. Lead	0.1 mg/l
30. Magnesium	100 mg/l
31. Manganese	1.0 mg/l
32. Mercury	0.01 mg/l
33. Nickel	1.0 mg/l
34. Nitrate-N	20 mg/l
35. Nitrite-N	2.0 mg/l
36. Nitrogen (total)	10 mg/l
37. Oil and grease	10 mg/l
38. pH	6.0 - 8.0
39. Phenols	0.2 mg/l
40. Phosphate (total)	10 mg/l
41. Phosphate (soluble)	5.0 mg/l
42. Selenium	1.0 mg/l
43. Silver	0.5 mg/l
44. Sulphate	500 mg/l
45. Sulphide	1.0 mg/l
46. TDS	1200 mg/l
47. Temperature	20-35EC
48. Tetrachloroethylene	0.1 mg/l
49. Tetrachloromethane	0.02 mg/l
50. Tin	5 mg/l
51. Total suspended solids	100 mg/l
52. Trichloroethylene	0.3 mg/l
53. Turbidity	300 NTU
54. Zinc	5 mg/l

**History:** S.I. 5/1999.

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