

**The National Environment (Standards for Discharge of Effluent into
Water or on Land) Regulations,
S.I. No 5/1999**

(Under section 26 and 107 of the National Environment Act, Cap 153).

1. Citation.

These Regulations may be cited as the National Environment (Standards for Discharge of Effluent into Water or on Land) Regulations, 1999.

2. Interpretation.

In these Regulations, unless the context otherwise requires -

Cap 153

"Executive Director" means the Executive Director of the National Environment Authority appointed under section 12 of the National Environment Act, Cap 153.

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 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 chemical discharge emanating from the industry or establishment.

(2) Anti-pollution equipment installed, under regulation (1) 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, Cap 153 -

(a) keep a record of the amount of waste generated by the activity and of the parameters of the discharges;

(b) submit the record offered to in paragraph (a) 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;

(c) report to the Executive Director any abnormal discharge of effluent.

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

6. Offences

(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 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), give directions as to step to be taken to mitigate the damage caused as a result of the contravention, and the person liable shall comply with the directions.

SCHEDULE

Regulation 3

STANDARDS FOR DISCHARGE OF EFFLUENT OR WASTE WATER

Maximum Permissible Limits

1. 1,1,1, -trichloroethane ----- 3.0 mg/1
2. 1,1,2.- dichloroethylene ----- 0.2 mg/1
3. 1,1, 2,- Trichloroethne ----- 1.06 mg/1
4. 1,2- Dichloroethane ----- 0.04 mg/1
5. 1,3- dichloropropene ----- 0.2 mg/1
6. Aluminum ----- 0.5 mg/1
7. Ammonia Nitrogen ----- 10 mg/1
8. Arsenic ----- 0.2 mg/1
9. Barium ----- 10 mg/1
10. Benzene ----- 0.2 mg/1
11. BOD5 ----- 50 mg/1

12. Boron ----- 5 mg/1
13. Cadmium ----- 0.1 mg/1
14. Calcium ----- 100 mg/1
15. Chloride ----- 500 mg/11
16. Chlorine ----- 1 mg/1
17. Chromium (total) ----- 1.0 mg/1
18. Chromium (VI) ----- 0.05 mg/1
19. Cirrus- 1,2 - dichloroethylene -- mg/1
20. Cobalt ----- mg/1
21. COD ----- 100
22. Clifford Organisms----- 10,000 counts/100 ml
23. Color ----- 300 TCU
24. Copper ----- 1.0 mg/1
25. Cyanide ----- 0.1 mg/1
26. Detergents ----- 10 mg/1
27. Dichloromethane ----- 0.2 mg/1
28. Iron ----- 10 mg/1
29. Lead ----- 0.1 mg/1
30. Magnesium ----- 100mg/1
31. Manganese ----- 1.0 mg/1
32. Mercury ----- 0.01 mg/1
33. Nickel ----- 1.0 mg/1
34. Nitrite - N ----- 20 mg/1
35. Nitrite - N -----2.0 mg/1

- 36. Nitrogen total ----- 10 mg/1
- 37. Oil and Grease ----- 10 mg/1
- 38. pH ----- 6.0-8.0
- 39. Phenols ----- 0.2 mg/1
- 40. Phosphate (total) ----- 10 mg/1
- 41. Phosphate (soluble) ----- 5.0 mg/1
- 42. Selenium -----1.0 mg/1
- 43. Silver -----0.5 mg/1
- 44. Sulfate -----500 mg/1
- 45. Sulfide ----- 1.0 mg/1
- 46. TDS ----- 1200 mg/1
- 47. Temperature ----- 20-350C
- 48. Tetra Cholera ethylene ----- 0.1 mg/1
- 49. Tetrachloromethananc ----- 0.02 mg/1
- 50. Tin ----- 5 mg/1
- 51. Total Suspended Solids ----- 100 mg/1
- 52. Trichloroethylene ----- 0.3 mg/1
- 53. Turbidity ----- 300 NTU
- 54. Zinc ----- 5 mg/1

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Minister responsible for the National Environment Statute, 1995.

