

Sections 6 and 40

**Environment Protection (Standards)  
Regulations**

- Citation*            1. These Regulations may be cited as the *Environment Protection (Standards) Regulations*.
- Interpretation*    2. In these Regulations -
- "recipient system" means the part of the environment such as soil, water or air or other medium which receives an effluent.

3. The Effluent Quality Standard specified in the Schedule is hereby prescribed as the Standard for the discharge of effluents to a recipient system from any industry, operation or process.

Effluent  
standards

### SCHEDULE

#### 1. In this Schedule

- (a) Effluent Quality Standard means the maximum acceptable concentrations in an effluent as specified in paragraph 2.
- (b) BOD5 means Biochemical Oxygen Demand, which is a measure of the organic matter content of a sample that is susceptible to oxidation by micro-organisms at an incubational temperature of 20°C over a period of five days.
- (c) COD means Chemical Oxygen Demand, which is a measure of the oxygen equivalent of the organic matter content of a sample that is susceptible to oxidation by a strong chemical oxidant.

#### 2. Effluent Quality Standard

Parameters	Maximum concentration in milligram per litre (mg/l) unless otherwise stated (except pH)
Temperature	30°C measured at the point of discharge
pH	5.5 - 8.5
Suspended Solids	30
BOD5 at 20°C	30
COD	80
Free Chlorine (as Cl <sup>2</sup> )	0.5
Phosphorus (as PO <sub>4</sub> )	5
Nitrate (as NO <sub>3</sub> )	15
Nitrite (as NO <sub>2</sub> )	1
Phenols	0.1
Chromium (total)	1.0
Arsenic (total)	0.1
Mercury (total)	0.05

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Cadmium (total)	0.2
Lead (total)	0.9
Copper (total)	1
Zinc (total)	2
Iron (total)	5.0
Nickel (total)	1
Aluminium (total)	1
Tin (total)	0.1
Manganese (total)	2.0
Oil and grease	10
Total coliforms	500/100 ml
Faecal coliforms	100/100 ml
Faecal streptococcus	100/100 ml
Salmonella	Must not be detectable in any 100 ml sample
Pesticides	In accordance with the law relating to pesticides which may be in force.

### 3. Sampling

For the purpose of this Standard sampling shall be carried out in accordance with the British Standards 6068 - Guidance on Sampling of Waste Waters : Section 6.10:1993, unless otherwise specified by the Authority.

### 4. Reference Methods Of Analysis

For the purpose of this standard, the Reference Methods of Analysis shall be based on the methods, as adopted by the Laboratory established or recognised under section 26 of the Act.