

Standards of effluent for use in Irrigation Regulations

Government Notice No.46 of 2003.

THE ENVIRONMENT PROTECTION ACT 2002

Regulations made by the Minister under sections 39 and 96

of the Environment Protection Act 2002

1. These regulations may be cited as the Environment Protection (Standards of effluent for use in irrigation) Regulations 2003.

2. In these regulations-

“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.

3. (1) Subject to paragraphs (2) and (3), the national environmental standards in relation to effluent limitation for use in irrigation shall be as set out in the Schedule.

(2) Paragraph (1) shall not apply to any effluent, which is produced from any sugar manufacturing processes.

(3) For the purposes of paragraph (1), the standards shall be the maximum limits set out in the fourth column of the Schedule in respect of the corresponding parameter set out in the second column.

4. A person treating effluent for use in irrigation shall ensure that the quality of the treated effluent complies with the standards set out in the Schedule.

5. These regulations shall come into operation on 01 September 2003.

Made by the Minister on 05 February 2003.

SCHEDULE

(regulation 3(1))

The following standards are maximum limits for the corresponding parameters except where an upper and a lower limit are specified:

List	Parameter¹	Unit	Standards
A	pH	-	5 - 9
	Colour	-	not objectionable
B	Biochemical Oxygen Demand (BOD ₅)	mg/l	40
	Chemical Oxygen Demand (COD)	mg/l	120
	Suspended Solids	mg/l	45
	Chloride	mg/l	250

	Sulphate	mg/l	500
	Nitrate N	mg/l	20
	Total Dissolved Solids	mg/l	2000
	Sodium Adsorption Ratio (SAR)	-	< 6
C	Aluminium	mg/l	5
	Arsenic	mg/l	0.10
	Beryllium	mg/l	0.10
	Boron	mg/l	0.75
	Cadmium	mg/l	0.01
	Chromate chromium	mg/l	0.10
	Cobalt	mg/l	0.05
	Copper	mg/l	0.20
	Fluorine	mg/l	1
	Iron	mg/l	5
	Lead	mg/l	2
	Lithium	mg/l	2.5
	Manganese	mg/l	0.2
	Molybdenum	mg/l	0.01
	Nickel	mg/l	0.20
	Mercury	mg/l	0.02
	Selenium	mg/l	0.02
Vanadium	mg/l	0.10	
Zinc	mg/l	2	
D	Total Pesticides	mg/l	0.025
	Oil & Grease	mg/l	10
	Detergents	mg/l	

			5
E	Faecal coliforms ²	MPN per 100 ml	1000 ³
	Intestinal nematodes ²	Arithmetic mean no. of eggs per litre	≤ 1

Notes:

(a)¹ A 95% compliance limit will be accepted based on the series of samples taken in a year

(b)² Prohibited for crops to be eaten raw

(c)³ 200 faecal coliforms MPN/100 ml for public lawns such as hotel lawns, with which the public may have direct contact.