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The Gazette of the Democratic Socialist Republic of Sri Lanka
EXTRAORDINARY

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PART I : SECTION (I) — GENERAL
Government Notifications

L.D.B 4/81(XI)

NATIONAL ENVIRONMENTAL ACT No. 47 OF 1980

REGULATIONS made by the President under Section 32 of the National Environmental Act, No. 47 of 1980, read with Sections 23G of that Act and Section 51 of the Nineteenth Amendment to the Constitution of the Democratic Socialist Republic of Sri Lanka.

MAITHRIPALA SIRISENA,
President.

Colombo,
04th November, 2019.

Regulations

1. These Regulations may be cited as the National Environmental (Ambient Water Quality) Regulations, No. 01 of 2019.
2. No person shall discharge, deposit or emit any pollutant into the inland surface waters to exceed the Ambient Water Quality Standards (hereinafter referred to as the “Standards”) in relation to the categories specified in the Schedule hereto.
3. The Authority shall be responsible for the maintenance of the quality of inland surface waters in order to ensure compliance with the Standards specified in the Schedule hereto.
4. The Authority shall issue directives to any local authority to take appropriate measures to comply with the Standards specified in the Schedule hereto.



5. In these regulations -

“Authority” means the Central Environmental Authority established under the National Environmental Act, No. 47 of 1980 ;

“general treatment” means treatment of water using coagulation, flocculation, clarification and filtration followed by disinfection ;

“Inland surface water” means any standing or flowing water on the surface of the land extending up to the boundary of the coastal water ;

“person” includes a body of persons whether incorporated or unincorporated ; and

“simple treatment” means simple filtration and boiled at 100⁰ C

SCHEDULE

AMBIENT WATER QUALITY STANDARDS

The Categories referred to below -

Category A shall be water that requires simple treatment, for drinking ;

Category B shall be bathing and contact recreational water ;

Category C shall be water suitable for aquatic life ;

Category D shall be water source that require to undergo general treatment process, for drinking ;

Category E shall be water suitable for irrigation and agricultural activities ;

Category F shall be water with minimum quality but does not fall into categories A to E.

	No	Parameter	Unit	Category A	Category B	Category C	Category D	Category E	Category F
General	1	Colour	Pt mg/l, max	20	-	-	100	-	-
	2	Electrical Conductivity	µS/cm, max	-	-	-	-	700	-
	3	Turbidity	NTU, max	5	-	-	-	-	-
	4	TSS	mg/l, max	25	-	40	1,500	2,100	-
	5	Total Hardness (as CaCO ₃)	mg/l	250 des 600 max	-	-	-	-	-
	6	pH	-	6.0-8.5	6.0-9.0	6.0-8.5	6.0-9.0	6.0-8.5	5.5-9.0
	7	DO at 25 ^o C	mg/l, minimum	6	5	5	4	3	3
	8	BOD ₅ at 20 ^o C	mg/l, max	3	4	4	5	12	15
	9	COD	mg/l, max	10	10	15	30	-	40
Nutrient	10	NO ₃ -N	mg/l, max	10	10	10	10	-	10
	11	NH ₃ -N pH<7.5	mg/l, max	-	-	0.94	-	-	9.1
		7.5 ≤ pH < 8.5		-	-	0.59	-	-	4.9
		8.5 < pH		-	-	0.22	-	-	1.6
12	PO ₄ -P	mg/l, max	0.7	0.7	0.4	0.7	-	-	
Other	13	Chloride (Cl)	mg/l, max	250	-	-	250	600	-
	14	CN	mg/l, max	0.05	0.05	0.05	0.05	0.05	0.05
	15	F	mg/l, max	1.5	-	-	1.5	-	-
	16	SO ₄ ²⁻	mg/l, max	250	-	-	250	1,000	-
Metal	17	Cd, total	µg/l, max	5	-	5	5	-	5
	18	Cr, total	µg/l, max	50	-	20	50	-	50
	19	Cu, total	µg/l, max	-	-	100	-	-	100
	20	Fe, total	µg/l	300des 1,000 max	-	-	2,000	-	-
	21	Pb, total Hardness<120 120<Hardness <180 180<Hardness	µg/l, max	50	-	2	50	-	-
						3			
						4			
	22	Mn, total	µg/l, max	1,000	1,000	1,000	1,000	1,000	1,000
	23	Hg, total	µg/l, max	1	1	1	1	2	2
24	Ni, total	µg/l, max	70	100	100	100	200	100	
25	Se, total	µg/l, max	10	10	5	10	-	-	

	No	Parameter	Unit	Category A	Category B	Category C	Category D	Category E	Category F
Metal	26.	Zn,total	µg/l, max	1,000	-	1,000	1,000	2,000	24,000
	27.	B,total	µg/l, max	-	-	-	-	500	-
	28.	As,total	µg/l, max	50	50	50	50	50	50
	29.	Al,total	µg/l, max	200	-	-	-	5,000	5,000
Organic Micro Pollutant	30.	Phenolic compounds	µg/l, max	2	5	2	5	5	5
	31.	Oil/Grease	µg/l, max	100	-	100	100	-	300
	32.	Anionic surfactants as MBAS	µg/l, max	1,000	1,000	1,000	1,000	1,000	1,000
	33.	MCPA	µg/l, max	2	-	-	20	-	-
	34.	Pendimethalin	µg/l, max	2	-	-	20	-	-
Micro Organism	35.	Total Coliform	MPN/100ml, max	10,000	10,000	-	10,000	-	-
	36.	Fecal Coliform	MPN/100ml	500 des 1000 max	500 des 1000 max	-	-	-	-

In this table -

“des” means desirable ; and
 “max” means maximum