

National Water Quality Standards

Parameters	Unit	Classes					
		I	IIA	IIB	III	IV	V
Ammoniacal Nitrogen	mg/l	0.1	0.3	0.3	0.9	2.7	>2.7
BOD	mg/l	1.0	3.0	3.0	6.0	12.0	>12.0
COD	mg/l	10.0	25.0	25.0	50.0	100.0	>100.0
DO	mg/l	7.0	5.0-7.0	5.0-7.0	3.0-5.0	<3.0	<1.0
pH	-	6.5-8.5	6.0-9.0	6.0-9.0	5.0-9.0	5.0-9.0	-
Colour	TCU	15.0	150.0	150.0	-	-	-
Electrical Conductivity*	umhos/cm	1,000.0	1,000.0	-	-	6,000.0	-
Floatables	-	n	n	n	-	-	-
Odour	-	n	n	n	-	-	-
Salinity	%	0.5	1.0	-	-	2.0	-
Taste	-	n	n	n	-	-	-
Total Dissolved Solid	mg/l	500.0	1,000.0	-	-	4,000.0	-
Total Suspended Solid	mg/l	25.0	50.0	50.0	150.0	300.0	300.0
Temperature	°C	-	Normal +2°C	-	Normal +2°C	-	-
Turbidity	NTU	5.0	50.0	50.0	-	-	-
Faecal Coliform **	counts/100 mL	10.0	100.0	400.0	5,000.0 (20,000.0) ^a	5,000.0 (20,000.0) ^a	-
Total Coliform	counts/100 mL	100.0	5,000.0	5,000.0	50,000.0	50,000.0	>50,000.0
Iron	mg/l	Natural levels or absent	1.0	1.0	1.0	1.0 (Leaf) 5.0 (Others)	Levels above IV
Manganese	mg/l		0.1	0.1	0.1	0.2	
Nitrate	mg/l		7.0	7.0	-	5.0	
Phosphorous	mg/l		0.2	0.2	0.1	-	
Oil & Grease	mg/l		0.04; N	0.04; N	N	-	

Notes:

- n : No visible floatable materials or debris or No objectionable odour, or No objectionable taste.
- * : Related parameters, only one recommended for use.
- ** : Geometric mean.
- a : maximum not to be exceeded.
- N : Free from visible sheen, discolouration and deposits.

Class

Uses

- Class I : Conservation of natural environment.
Water Supply 1 – practically no treatment necessary.
Fishery 1 – very sensitive aquatic species.
- Class IIA : Water Supply II – conventional treatment required.
Fishery II – sensitive aquatic species.
- Class IIB : Recreational use with body contact.
- Class III : Water Supply III – extensive treatment required.
Fishery III – common, of economic value and tolerant species; livestock drinking.
- Class IV : Irrigation.
- Class V : None of the above.