

Agenda Item No. 3 (c)

The Punjab Standards for Recreational Water

These standards are for waters intended to be for primary contact recreation such as boating, bathing, swimming, skin diving, etc.

Parameter	Unit	Standard
Physical parameters		
Total Dissolved Solids (TDS)	mg/L	1000
Electrical Conductivity at 25 °C	dS/m	1.50
Temperature	The maximum water temperature change shall not exceed 3C° relative to an upstream control point.	
Chemical parameters		
pH	Units	6.5-8.5
BOD	mg/L	8
Dissolved Oxygen (D.O.)	mg/L	4
Ammonia	mg/L as N	1.0
Anionic Detergents as MBAS	mg/L	0.5
Phenolic Compounds as Phenol	mg/L	0.01
Oil and grease	mg/L	2.0
Sulfates	mg/L	400
Chromium	mg/L	0.05
Arsenic	mg/L	0.05
Boron	mg/L	1.0
Barium	mg/L	1.0
Cadmium	mg/L	0.01
Copper	mg/L	1.5
Cyanide	mg/L	0.05

Fluoride	mg/L	1.5
Lead	mg/L	0.01
Mercury	mg/L	0.001
Selenium	mg/L	0.05
Zinc	mg/L	15
Toxic substances and organic pollutants	The waters shall not contain toxic substances and organic pollutants in quantities that may be detrimental to public health or impair the usefulness of the water for recreational purpose.	
Biological parameters		
Coliform bacteria (fecal)	No./100 mL	200
Coliform bacteria (total)	No./100 mL	1000