

Sr. No.	Industry	Parameter	Standards
1	2	3	4
	* The agro based mills to be established from January, 1992 will meet the standards of 150 cum/Ton of paper produced.		
	** The waste-paper mills to be established from January, 1992 will meet the standards of 50 cum/Tom of paper produced.		
55.	COMMON EFFLUENT TREATMENT PLANTS:	EFFLUENTS (Inlet effluent quality for CETP)	(Concentration in mg/l)
	A. Primary Treatment	pH	5.5 – 9.0
		Temperature °C	45
		Oil & Grease	20
		Phenolic Compounds (as C ₆ H ₅ OH)	5.0
		Ammonical Nitrogen (as N)	50
		Cynide (as CN)	2.0
		Chromium hexavalent (as Cr+6)	2.0
		Chromium (total)(as Cr)	2.0
		Copper (as Cu)	3.0
		Lead (as Pb)	1.0
		Nickel (as Ni)	3.0
		Zinc (as Zn)	15
		Arsenic (as As)	0.2
		Mercury (as Hg)	0.01
		Cadmium (as Cd)	1.0
		Selenium (as Se)	0.05
		Fluoride (as F)	15
		Boron (as B)	2.0
		Radioactive Materials	
		Alpha emitters, Hc/ml	10-7
		Beta emitters, He/ml	10-8

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Note : 1. These Standards apply to the small scale industries, i.e. total discharge upto 25 KL/Day.

2. For each CETP and its constituent units, the State Board will prescribe standards as per the local needs and conditions; these can be more stringent than those prescribed above. However, in case of clusters of units, the State Board with the concurrence of CPCB in writing, may prescribe suitable limits.

B. Treated Effluent Quality of Common Effluent Treatment Plant Concentration in mg/l except pH & Temperature

	Into inland surface waters	On land for Irrigation	Into Marine Coastal areas
	(a)	(b)	(c)
pH	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0
BOD ¹ [3days at 27°C]	30	100	100
Oil & Grease	10	10	20
Temperature	Shall not exceed 40°C in any section of the stream within 15 metres down stream from the effluent outlet	-	45°C at the point of discharge.
Suspended Solids	100	200	(a) For process waste water – 100 (b) For cooling water effluents 10 percent above total suspended matter of effluent cooling water
Dissolved Solids (inorganic)	2100	2100	-

¹ Substituted by Rule 2 of the Environment (Protection) Amendment Rules, 1996 notified by G.S.R.176(E), dated 2.4.1996 may be read as BOD (3 days at 27°C) wherever BOD 5 days 20°C occurred.

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	Total residual chlorine	1.0	-	1.0
	Ammonical nitrogen(as N)	50	-	50
	Kjeldahl nitrogen (asN)	100	-	100
	Chemical Oxygen Demand	250	-	250
	Arsenic (as As)	0.2	0.2	0.2
	Mercury (as Hg)	0.01	-	0.01
	Lead (as Pb)	0.1	-	1.0
	Cadmium (as Cd)	1.0	-	2.0
	Total Chromium (asCr)	2.0	-	2.0
	Copper (as Cu)	3.0	-	3.0
	Zinc (as Zn)	5.0	-	15
	Selenium (as Se)	0.05	-	0.05
	Nickel (as Ni)	3.0	-	5.0
	Boron (as B)	2.0	2.0	-
	Percent Sodium	-	60	-
	Cynide (as CN)	0.2	0.2	0.2
	Chloride (as Cl)	1000	600	-
	Fluoride (as F)	2.0	-	15
	Sulphate (as SO ₄)	1000	1000	-
	Sulphide (as S)	2.8	-	5.0
	Pesticides	Absent	Absent	Absent
	Phenolic compounds (as C ₆ H ₅ OH)	1.0	-	5.0

Note :All efforts should be made to remove colour and unpleasant odour as far as possible.