

Environmental Standards

Emission

CHLOR ALKALI (CAUSTIC SODA): EMISSION STANDARDS

Process	Pollutants	Emission limit (mg/Nm ³)
a) Mercury cell	Mercury (from hydrogen gas holder stack)	0.2
b) All processes	Chlorine (from hypo tower)	15
c) All processes	Hydrochloric vapour and mist from (hydrochloric acid plant)	35

**Source : EPA Notification
[G.S.R. 913(E), dt 24th Oct., 1989]**

Caustic Soda Industry : Wastewater Discharge Standards

Parameter	Concentration not to exceed Limits, mg/l (except for pH & flow)
Total concentration of mercury in the final effluent*	0.01
Mercury bearing wastewater generation (flow)	10 kl/tonne of caustic soda produced
pH	5.5 to 9.0

* Final effluent is the combined effluent from (a) Cell house; (b) Brine plant; (c) Chlorine handling; (d) Hydrogen handling and (e) Hydrochloric acid plant.

**Source EPA Notification
[S.O. 844(E), dt., 19th Nov., 1986]**