

Environmental Standards

Effluent

SODA ASH INDUSTRY

Parameter	Concentration not to exceed		
	Marine	Brackish	Inland surface water
pH	6.5-9	6.5-9	6.5-9
Temperature	45°C or less	45°C or less	45°C or less
Oil & grease	20 mg/l	20 mg/l	10 mg/l
Suspended solids (SS)	500 mg/l	200 mg/l	100 mg/l
Ammonical nitrogen	50 mg/l	50 mg/l	30 mg/l
Bio?assay (96 hours)	90% survival	90% survival	90% survival

Note: MINAS for disposal in brackish and inland surface water are without any dilution.

B: Dual Process Soda Ash Plants

Parameter	MINAS (Inland Surface Water)
pH	6.5 - 8.0
Ammonical nitrogen, as N (mg/l)	50
Nitrate nitrogen, as N (mg/l)	10
Cyanide, as CN (mg/l)	0.2
Hexavalent chromium (mg/l)	0.1
Total chromium (mg/l)	2.0
Suspended solids, (mg/l)	100
Oil and grease (mg/l)	10

Note: The standards are to be implemented by the industry in a time targetted schedule by December, 1999. The progress on the time targetted implementation schedule shall be periodically submitted by the industry to the State Pollution Control Board and the Central Pollution Control Board.

**Source : EPA Notification
(GSR No. 176(E), April 2, 1996) and
(GSR No. 57(E), Feb. 4, 1997)
(GSR 682(E), Oct. 5, 1999)**