

3.0 CHLOR-ALKALI INDUSTRY

1. Complete recycling of mercury bearing effluent by December 2003.
2. Installation of continuous on-line mercury analyzer by June 2003.
3. Treatment of cell-room ventilation gas – limit for mercury not to exceed 1 gm/t of product by December 2005.
4. De-mercurisation of caustic soda & limit for mercury in caustic soda at 0.1 gm / of product by December 2004.
5. Reduction of mercury in H₂ gas at 0.5 gm/t by December 2004.
6. Installation of common full-fledged salt washery unit at source by Dec. 2003.
7. Capping of existing completed disposal sites by June 2004 (Action plan to be submitted by June 2003).
8. Installation of mercury distillation units by June 2003.
9. Brine sludge treatment and water leachable mercury content in brine mud at < 0.1 mg/l before disposal in Secured Landfill.
10. Reduction of mercury consumption at < 50 gm/t of product by December 2005.
11. Total mercury release to environment at < 2.0 gm/t of product by December 2005.
12. The mercury cell plants will switch over to membrane cell technology in a time bound manner for which action plan will be prepared by respective plants within six months.
13. Industry to submit action plan covering the pollutional and safety aspects for Cl₂ handling to prevent any accident / release of Cl₂, within three months.