

Environmental Standards

Effluent

BATTERY MANUFACTURING INDUSTRY

Lead Acid Manufacturing Industry : Emission Standards

Source	Pollutants	Standards	
		Conc. (mg/Nm ³)	Based, Load (kg/tonne Pb used) based, of
Grid casting	Lead	10	0.020
	Particulate Matter	25	
Oxide Manufacturing	Lead	10	0.010
	Particulate Matter	25	
Paste mixing	Lead	10	0.025
	Particulate Matter	25	
Assembling	Lead	10	0.010
	Particulate Matter	25	
PVC section	Particulate Matter	150	--

- To comply the respective standards, all the emissions from above mentioned sources shall be routed through stack connected with hood and fan. In addition to above installation of control equipment viz. Bag filter/ventury scrubber is also recommended.
- The minimum stack height shall be 30 m.

Liquid Effluent Discharge Standards

Pollutant	Concentration
PH	6.5 - 8.5
Suspended solids	50 mg/l
Lead	0.1 mg/l

Dry Cell Manufacturing Industry: Emission Standards

Pollutant	Standards	
	Concentration based (mg/Nm ³)	Load based (kg/lakh cell)
Particulate Matter	50	1.5
Manganese as Mn	5	0.3

- To comply with the respective standards, all the emissions from above mentioned sources shall be routed through stack connected with hood and fan. In addition to above installation of control equipment viz. Bag filter/ventury scrubber is also recommended.
- The minimum stack height shall be 30 m.

Effluent Standards

Pollutant	Concentration
pH	6.5 - 8.5
Total suspended solids	100 mg/l
Manganese as Mn	2 mg/l
Mercury as Hg	0.02 mg/l
Zinc as Zn	5 mg/l

Secondary Lead Smelters

Pollutant	Concentration
Lead as Pb	10 mg/Nm ³
Particulate Matter	50 mg/Nm ³
Minimum stack height	30 m

**Source: EPA Notification
(GSR 7, December 22, 1998)**