

Environmental Standards

Effluent

STARCH INDUSTRY (MAIZE PRODUCTS)

Parameters	Concentration not to exceed, mg/l (except pH and wastewater discharge)
pH	6.5 - 8.5
BOD at 27°C for 3 days*	100
Suspended solids*	150
Wastewater discharge	8 m ³ /tonne of maize processed

***Note:** The prescribed limits for BOD and suspended solids shall be made more stringent or less stringent depending upon the local requirements as mentioned below.

1. BOD shall be made stringent upto 30 mg/l if the recipient fresh water body is a source for drinking water supply.
2. BOD shall be allowed upto 350 mg/l for applying on land, provided the land is designed and operated as a secondary treatment system with the requisite monitoring facilities. The drainage water from the land after secondary treatment has to satisfy a limit of 30 mg/l of BOD and 10 mg/l of nitrate expressed as 'N'. The net addition to ground water quality should not be more than 3 mg/l of BOD and 10 mg/l of nitrate expressed as 'N'.
3. BOD shall be allowed 350 mg/l for discharge into a town sewer, if such sewer leads to a biological secondary treatment system.
4. Suspended solids shall be allowed upto 450 mg/l for discharge into town sewer, if such sewer leads to a biological secondary treatment system.
5. In the event of bulking of sludge, the industry shall immediately apprise the respective State Pollution Control Board.

**Source : EPA Notification
[GSR 176(E), April 2, 1996]**