

Environmental Standards

Effluent

PETROCHEMICALS (BASIC & INTERMEDIATES) : STANDARDS FOR LIQUID EFFLUENT

Parameter	Concentration not to exceed limits in mg/l (except pH)	
pH	6.5 - 8.5	
BOD (3 days at 27°C)	50	
Phenol**	5	
Sulphide as S	2	
COD	250	
Cyanide as CN0.	2	
Fluoride as F***	15	
Total suspended solids	100	
Chromium****		
	Hexavalent	0.1
	Total	2.0

* The state boards may prescribed the BOD value of 30 mg/l if the recipient system so demands

** The limit for phenol shall be conformed at the outlet of effluent treatment of phenol cumeme plant. However, at the final disposal point, the limit shall be less than 1 mg/l.

*** The limit for fluoride shall be conformed at the outlet of fluoride removal unit. However, at the disposal point fluoride concentration shall be lower than 5 mg/l.

The limits for total and hexavalent chromium shall be conformed at the outlet of the chromate removal unit.

**** This implies that in the final treated effluent, total and hexavalent chromium shall be lower than prescribed herein.

Source : EPA Notification
[G.S.R. 742(E), dt 30th Aug; 1990]