

Pollution Control norms prescribed by OSPCB & the measured values for PPL

Paradeep Phosphates Ltd
Environment Management Department

(A) TREATED EFFLUENT DATA

December - 2014

Sl No	Parameter	Unit	Prescribed limit	STP	ETP	DM PLANT	Storm Drain at Zero Point	Storm Drain near Main Gate
1.	pH	-	6.5 ~ 8.5	6.6 ~ 7.3	7.2 ~ 8.0	7.0 ~ 8.2	6.8 ~ 8.2	NO DISCHARGE
2.	PO ₄ ⁻³ as P	mg/	5	NA	0.97	NA	0.69	
3.	F	mg/	2	NA	1.0	NA	0.83	
4.	SS	mg/	100	19.2	30.5	4.1	24.2	
5.	TDS	mg/	2100	454.7	390.5	NA	328.8	
6.	BOD	mg/	30	5.02	4.0	NA	3.51	
7.	COD	mg/	250	20.9	25.02	NA	20.4	
8.	Oil &	mg/	10	ND	ND	NA	ND	

ND : Not Detectable

NA : Not Applicable

(B) STACK EMISSION DATA

Sl No	Stack location	PM mg/Nm ³	SO ₂ (Kg/T of H ₂ SO ₄)	SO ₃ mg/Nm ³	Fluoride mg/Nm ³
1.			NA		
2.					
3.					
4.	DAP - D	88.2			2.0
5.		NA			NA
6.					
7.	CPP	Boiler not in operation	NA		
8.					

(C) AMBIENT AIR QUALITY DATA

Sl No	Location	PM 2.5 (ugm/m ³)	PM 10 (ugm/m ³)	SO ₂ (ugm/m ³)	NO _x (ugm/m ³)	NH ₃ (ugm/m ³)
1.	Near Fire & Safety Building	59.5	88.6	59.9	4.11	0.2
2.	Near MOP Silo	42	70	10.8	12	10.7
3.	Near ETP	41	60.7	9.7	10.8	10.4
4.	Near WTP	37.7	53.1	8.3	9.0	8.2
5.	PPL Town ship	59.2	99.6	39.2	1.01	0.3
6.	Highway Gate	44	69.9	13.5	16.6	21.2
7.	Hotel Sea pearl	44.8	71.8	10.1	14.9	22.3
8.	Paradeep Police station	53	80.4	21.3	15.1	24.4
Prescribed Limit		60	100	80	80	400