

### Water Quality Characteristics of Sewage Treatment Plant (STP) during the year 2014

S.No	STP	Parameters	Month										
			January	February	March	April	May	June	July	August	September	October	
1.	27 MLD STP Jagjeetpur Haridwar (outlet)	Color	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless
		Odor	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless
		pH	7.54	7.42	7.23	7.61	7.22	7.31	7.22	7.14	7.32	7.44	
		TSS (mg/L)	41	56	35	46	23	41	21	22	25	30	
		TDS (mg/L)	357	401	402	355	384	418	376	380	401	352	
		TS (mg/L)	398	457	437	401	407	459	397	402	426	382	
		BOD (mg/L)	14	14	18	16	14	12	8.6	12	14	10	
		COD (mg/L)	56	88	84	80	52	58	54	48	56	42	
2.	18 MLD STP Jagjeetpur Haridwar (outlet)	Color	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless
		Odor	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless
		pH	7.48	7.69	7.14	7.82	7.13	7.42	7.14	7.42	7.21	7.22	
		TSS (mg/L)	51	57	42	36	31	52	47	26	41	39	
		TDS (mg/L)	362	413	388	367	406	518	396	415	398	406	
		TS (mg/L)	431	470	430	403	437	570	443	441	439	445	
		BOD (mg/L)	15	15	19	13	24	13	9.2	10	12	18	
		COD (mg/L)	60	94	92	48	82	88	78	68	58	84	
3.	06 MLD Oxidation Pond Lakarghat Rishikesh (outlet)	Color	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid
		Odor	Sewage like	Sewage like	Sewage like	Unpleasant	Unpleasant	Unpleasant	Unpleasant	Sewage like	Sewage like	Sewage like	
		pH	6.89	6.41	6.21	8.24	6.84	6.48	6.44	6.12	6.32	6.22	
		TSS (mg/L)	82	146	163	91	123	132	135	121	106	96	
		TDS (mg/L)	618	446	918	478	804	618	576	588	644	504	
		TS (mg/L)	700	592	1081	569	927	750	711	709	750	600	
		BOD (mg/L)	46	57	96	44	47	46	45	52	46	48	
		COD (mg/L)	272	304	312	278	278	288	302	296	270	262	
4.	03 MLD STP Swargashram Rishikesh (outlet)	Color	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless
		Odor	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless
		pH	7.23	7.31	7.48	7.80	7.41	7.23	7.26	7.21	7.32	7.42	
		TSS (mg/L)	25	28	23	13	21	72	34	24	26	30	
		TDS (mg/L)	384	317	356	223	566	486	388	352	306	388	
		TS (mg/L)	409	345	379	236	387	558	422	376	332	418	
		BOD (mg/L)	13	16	16	10	11	16	11	10	12	18	
		COD (mg/L)	48	52	62	42	48	102	62	42	50	56	