

Water Quality Characteristics of Sewage Treatment Plant (STP) during the Year 2015

S.N.	STP	Parameters	Month											
			January	February	March	April	May	June	July	August	September	October	November	December
1.	27 MLD STP Jagjeetpur Haridwar (outlet)	Color	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless
		Odor	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless
		pH	7.34	7.75	7.60	7.42	7.18	7.75	7.98	8.29	8.32	8.12	8.82	8.14
		TSS (mg/L)	36	54	32	36	34	38	42	32	38	42	37	36
		TDS (mg/L)	357	320	315	364	297	263	230	131	117	224	298	269
		TS (mg/L)	493	374	347	400	331	301	272	163	155	266	335	305
		BOD (mg/L)	14	17	15	16	17	18	18	12	12	14	16	15
		COD(mg/L)	62	68	72	78	68	68	76	54	44	48	62	60
2.	18 MLD STP Jagjeetpur Haridwar (outlet)	Color	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless
		Odor	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless
		pH	7.52	7.80	7.32	6.90	7.23	7.51	8.13	8.55	8.12	8.30	7.92	7.57
		TSS (mg/L)	46	48	42	34	38	46	48	38	34	36	45	52
		TDS (mg/L)	387	302	320	284	304	250	234	149	134	231	258	263
		TS (mg/L)	433	350	362	318	342	296	282	187	168	267	303	315
		BOD (mg/L)	15	18	17	12	14	19	16	14	12	15	18	16
		COD(mg/L)	76	72	68	62	56	76	78	62	48	56	70	64
3.	06 MLD Oxidation Pond Lakarghat Rishikesh (outlet)	Color	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid
		Odor	Sewage Like	Sewage like	Sewage Like	Unpleasant	Unpleasant	Unpleasant	Unpleasant	Not Specific	Sewage Like	Sewage Like	Unpleasant	Unpleasant
		pH	7.86	8.05	8.23	6.92	7.57	7.68	6.59	8.20	8.41	7.98	8.03	8.12
		TSS (mg/L)	85	78	86	82	84	86	110	98	86	84	78	92
		TDS (mg/L)	472	425	458	369	413	346	376	153	231	512	480	538
		TS (mg/L)	557	503	544	451	497	432	486	251	317	596	558	630
		BOD (mg/L)	36	38	42	56	44	42	38	34	32	32	34	38
		COD(mg/L)	238	266	252	168	210	174	266	238	256	224	218	228

4.	03 MLD STP Swargashram Rishikesh (outlet)	Color	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	
		Odor	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless
		pH	7.75	7.80	7.47	7.43	7.45	7.34	7.38	8.50	8.20	7.68	7.85	7.76	
		TSS (mg/L)	36	42	38	42	40	34	32	33	44	54	48	48	
		TDS (mg/L)	378	288	364	342	353	277	256	198	264	484	362	280	
		TS (mg/L)	414	330	402	384	393	311	288	231	308	538	410	328	
		BOD (mg/L)	14	16	18	19	17	16	18	12	14	16	14	14	
		COD(mg/L)	56	64	72	76	72	62	72	58	52	64	56	52	
5.	Mixing Point of both STP27 & 18 MLD STP, Jagjeetpur, Hairdwar	Color	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid	Colorless	Turbid	Turbid	Colorless	Turbid	
		Odor	Unpleasant	Unpleasant	Unpleasant	Unpleasant	Unpleasant	Unpleasant	Unpleasant	Unpleasant	Not Specific	Unpleasant	Unpleasant	Odorless	Unpleasant
		pH	7.42	7.82	7.53	7.64	7.02	7.22	7.81	8.18	8.17	7.93	8.86	8.10	
		TSS (mg/L)	119	96	118	139	128	133	108	96	104	106	110	108	
		TDS (mg/L)	458	342	342	334	334	325	266	344	278	272	342	302	
		TS (mg/L)	577	438	460	473	462	458	374	440	382	378	452	410	
		BOD (mg/L)	44	40	42	54	42	48	46	32	34	40	42	44	
		COD(mg/L)	320	280	284	270	294	282	254	238	258	240	262	272	
6.	18 MLD STP, Vill-Sarai, Jwalapur, Haridwar	Color									Colorless	Colorless	Colorless	Colorless	Colorless
		Odor									Odorless	Odorless	Odorless	Odorless	Odorless
		pH									8.55	8.24	8.39	8.92	7.98
		TSS (mg/L)									38	43	42	46	56
		TDS (mg/L)									149	138	290	310	337
		TS (mg/L)									187	181	332	356	393
		BOD (mg/L)									14	16	15	16	20
		COD(mg/L)									62	64	6	66	78