

Composite Effluent Quality Monitoring Results (1-year Operation of TSTP)

Date	Monitoring Station	Replicate	Temperature*	pH	DO	DO	Salinity	Turbidity	Suspended Solids	Ammonia Nitrogen	Total Nitrogen	Total Inorganic Nitrogen	Total Phosphorus	E.Coli	Biochemical Oxygen Demand [^]	
			°C		Saturation %											mg/L
8/1/2020	Effluent	1	6.3	8.0	74.6	9.20	0.25	2.5	4	1.17	11.3	10.4	1.54	160	2	
		2	6.2	8.0	76.6	9.47	0.25	2.4	-	-	-	-	-	-	-	
8/2/2020	Effluent	1	5.5	8.0	88.6	9.67	0.23	3.1	4	2.69	9.7	9.02	1.39	140	5	
		2	5.5	8.0	88.0	9.59	0.23	3.2	-	-	-	-	-	-	-	
8/3/2020	Effluent	1	6.8	8.2	77.8	9.50	0.22	2.5	5	0.85	8.8	7.99	1.06	36	2	
		2	6.9	8.2	80.5	9.82	0.22	2.6	-	-	-	-	-	-	-	
8/4/2020	Effluent	1	6.3	7.9	74.1	9.15	0.29	2.7	5	1.87	8.8	8.56	1.15	5	5	
		2	6.4	7.9	73.4	9.04	0.29	2.6	-	-	-	-	-	-	-	
8/5/2020	Effluent	1	6.6	8.0	77.0	9.40	0.23	2.2	5	0.5	8.4	7.82	1.03	25	7	
		2	6.6	8.0	76.2	9.32	0.23	2.2	-	-	-	-	-	-	-	
8/6/2020	Effluent	1	5.2	7.9	85.7	10.12	0.22	2.3	5	1.17	10.9	10.4	1.06	18	2	
		2	5.2	7.9	84.5	10.02	0.22	2.3	-	-	-	-	-	-	-	
8/7/2020	Effluent	1	5.5	8.0	84.9	10.21	0.22	2.2	4	0.61	10.2	9.84	1.14	11	3	
		2	5.5	8.0	84.0	10.12	0.22	2.3	-	-	-	-	-	-	-	
8/8/2020	Effluent	1	6.1	8.2	86.6	9.86	0.22	2.1	11	1.99	2.6	1.99	1.08	260	8	
		2	6.1	8.2	86.0	9.78	0.22	2.2	-	-	-	-	-	-	-	
8/9/2020	Effluent	1	5.9	8.3	73.7	9.20	0.26	3.5	5	0.44	11.3	10.6	1.36	31	5	
		2	5.8	8.2	73.1	9.13	0.26	3.3	-	-	-	-	-	-	-	
8/10/2020	Effluent	1	6.1	8.1	66.1	8.18	0.25	3.4	11	0.31	13.2	10.8	1.62	100	4	
		2	6.1	8.1	66.9	8.27	0.25	3.5	-	-	-	-	-	-	-	
8/11/2020	Effluent	1	6.1	8.2	86.8	9.88	0.22	2.5	12	6.85	12.4	11	1.95	140	2	
		2	6.1	8.2	85.7	9.77	0.22	2.5	-	-	-	-	-	-	-	
8/12/2020	Effluent	1	6.2	8.3	87.8	9.89	0.22	2.4	7	1.16	11.1	8.79	1.01	50	3	
		2	6.2	8.3	87.0	9.80	0.22	2.5	-	-	-	-	-	-	-	
8/13/2020	Effluent	1	6.6	7.4	60.3	7.62	0.2	3.5	11	1.89	9.6	8.66	1.04	83	5	
		2	6.5	7.4	62.2	7.88	0.2	3.4	-	-	-	-	-	-	-	
8/14/2020	Effluent	1	6.8	7.7	65.3	8.08	0.2	2.6	12	3.99	11.9	10.5	1.27	39	4	
		2	6.7	7.7	63.5	7.86	0.2	2.6	-	-	-	-	-	-	-	
8/15/2020	Effluent	1	6.6	7.4	67.6	8.30	0.2	2.7	4	7.03	13.8	13.1	1.2	33	5	
		2	6.5	7.5	65.8	8.20	0.2	2.6	-	-	-	-	-	-	-	
8/16/2020	Effluent	1	6.3	8.2	86.8	9.82	0.2	2.3	12	6.34	12.6	11.4	1.26	160	3	
		2	6.3	8.2	85.9	9.69	0.2	2.4	-	-	-	-	-	-	-	
8/17/2020	Effluent	1	6.4	8.2	86.7	9.80	0.2	2.4	13	6.28	13.3	11.3	1.05	31	6	
		2	6.4	8.2	85.8	9.66	0.2	2.4	-	-	-	-	-	-	-	
8/18/2020	Effluent	1	6.4	8.2	75.5	9.22	0.26	2.7	9	4.96	12.3	11.5	1.16	69	7	
		2	6.4	8.2	74.8	9.13	0.25	2.6	-	-	-	-	-	-	-	
8/19/2020	Effluent	1	6.1	8.1	86.6	9.54	0.2	2.6	6	0.74	7.7	6.51	0.79	15	4	
		2	6.1	8.1	86.0	9.47	0.2	2.6	-	-	-	-	-	-	-	
8/20/2020	Effluent	1	5.3	8.2	86.4	9.76	0.21	2.4	8	1.26	8.8	8.11	0.77	15	6	
		2	5.4	8.2	86.2	9.67	0.2	2.4	-	-	-	-	-	-	-	
8/21/2020	Effluent	1	6.9	7.5	74.4	8.70	0.21	2.5	13	3.5	14.1	10.6	1.25	76	5	
		2	6.8	7.5	74.6	8.72	0.21	2.4	-	-	-	-	-	-	-	
8/22/2020	Effluent	1	6.8	7.4	74.5	9.36	0.24	2.7	14	3.14	12.3	12.5	1.84	5	8	
		2	6.6	7.4	72.7	9.11	0.25	2.7	-	-	-	-	-	-	-	
8/23/2020	Effluent	1	6.8	7.9	77.2	9.38	0.22	2.2	7	2.4	14.4	12.3	1.53	67	11	
		2	6.8	8.0	76.9	9.41	0.21	2.2	-	-	-	-	-	-	-	
8/24/2020	Effluent	1	6.0	8.2	86.4	8.21	0.2	2.3	11	5.39	13.7	13.4	1.54	130	9	
		2	6.0	8.2	85.8	8.15	0.2	2.4	-	-	-	-	-	-	-	
8/25/2020	Effluent	1	6.1	8.2	83.2	7.62	0.2	2.4	9	5.46	14.6	13.9	1.68	170	7	
		2	6.1	8.2	82.5	7.54	0.2	2.5	-	-	-	-	-	-	-	
8/26/2020	Effluent	1	5.6	8.2	89.4	9.57	0.2	2.6	9	8.41	16.5	14.3	1.96	170	8	
		2	5.6	8.2	88.3	9.45	0.2	2.7	-	-	-	-	-	-	-	
8/27/2020	Effluent	1	6.2	7.5	76.7	9.42	0.23	2.6	6	2.78	16	14.8	1.87	73	8	
		2	6.2	7.5	76.5	9.41	0.23	2.6	-	-	-	-	-	-	-	
8/28/2020	Effluent	1	6.0	7.9	84.8	8.66	0.22	2.6	5	3.48	14.3	13.4	1.61	44	9	
		2	6.0	7.9	84.0	8.60	0.22	2.5	-	-	-	-	-	-	-	
8/29/2020	Effluent	1	6.0	7.9	82.4	7.89	0.21	2.6	5	2.6	15.2	14.9	1.93	20	4	
		2	6.0	7.9	81.6	7.81	0.21	2.7	-	-	-	-	-	-	-	
8/30/2020	Effluent	1	6.6	7.6	83.3	9.90	0.28	2.5	8	3.08	14.5	12.4	2.27	270	8	
		2	6.6	7.6	82.1	9.66	0.29	2.4	-	-	-	-	-	-	-	
8/31/2020	Effluent	1	5.9	7.8	81.8	8.02	0.22	2.8	9	13.5	20.3	19	2.89	180	8	
		2	5.9	7.8	80.8	7.91	0.22	2.9	-	-	-	-	-	-	-	
									Action Level	20	-	28.6	-	3.3	664	13.3
									<u>Limit Level</u>	40	-	57.1	-	6.6	996	26.6

A 24-hour flow-weighted composite effluent sample was collected and mixed.

* Effluent sample was collected by refrigerated autosampler. The collected samples were kept in low temperature during 24-hr sampling period.

[^]BOD5 tested with nitrification inhibitor

Action Level - Value presented in bold

Limit Level - Value presented in bold and underlined