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

Date	Monitoring Station	Replicate	Temperature*	pH	DO Saturation	DO	Salinity	Turbidity	Suspended Solids	Ammonia Nitrogen	Total Nitrogen	Total Inorganic Nitrogen	Total Phosphorus	*E.Coli*	Biochemical Oxygen Demand^
			°C		%	mg/L	ppt	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	cfu/100ml	mg/L
10/1/2020	Effluent	1	6.2	7.9	88.3	10.20	0.22	2.4	3	3.76	9.6	9.42	1.02	150	2
		2	6.2	7.9	87.8	10.15	0.22	2.4	-	-	-	-	-	-	-
10/2/2020	Effluent	1	6.1	7.9	86.4	10.17	0.22	2.4	3	6.6	15.6	15	1.47	93	3
		2	6.1	7.9	85.9	10.11	0.22	2.6	-	-	-	-	-	-	-
10/3/2020	Effluent	1	6.1	7.9	83.7	10.09	0.22	2.8	4	4.62	14.3	14.1	1.64	530	2
		2	6.1	7.8	83.1	10.01	0.22	2.7	-	-	-	-	-	-	-
10/4/2020	Effluent	1	6.2	7.8	87.8	10.22	0.22	2.6	5	2.26	14.4	13.6	1.88	320	3
		2	6.2	7.8	87.0	10.15	0.22	2.6	-	-	-	-	-	-	-
10/5/2020	Effluent	1	6.8	8.0	73.5	9.22	0.23	2.7	11	1.2	11.5	10.4	1.66	210	5
		2	6.8	8.0	75.1	9.47	0.23	2.8	-	-	-	-	-	-	-
10/6/2020	Effluent	1	6.7	8.0	78.2	9.72	0.21	2.3	12	3.84	8.6	5.92	2.09	320	7
		2	6.8	8.0	76.2	9.58	0.21	2.5	-	-	-	-	-	-	-
10/7/2020	Effluent	1	6.4	7.8	86.4	10.19	0.22	2.9	4	3.95	18.2	16.2	2.11	630	2
		2	6.4	7.8	86.0	10.15	0.22	2.9	-	-	-	-	-	-	-
10/8/2020	Effluent	1	6.4	7.9	86.4	10.22	0.22	2.7	4	3.4	16.3	15.6	1.95	140	2
		2	6.4	7.9	85.8	10.17	0.22	2.6	-	-	-	-	-	-	-
10/9/2020	Effluent	1	6.7	8.0	78.2	9.72	0.21	2.3	4	2.22	13	11.7	1.82	430	3
		2	6.8	8.0	76.3	9.58	0.21	2.5	-	-	-	-	-	-	-
10/10/2020	Effluent	1	6.3	8.1	78.2	6.43	0.24	2.7	5	2.22	12.5	11.1	2	180	<2
		2	6.5	8.1	76.5	6.32	0.24	2.8	-	-	-	-	-	-	-
10/11/2020	Effluent	1	6.2	7.9	89.4	10.20	0.22	2.5	4	2.43	14.2	13.1	2.17	260	4
		2	6.2	7.9	89.0	10.15	0.22	2.6	-	-	-	-	-	-	-
10/12/2020	Effluent	1	8.4	7.5	71.7	8.40	0.41	2.3	4	3.45	14.9	13.5	2.14	370	3
		2	8.4	7.5	71.0	8.33	0.41	2.2	-	-	-	-	-	-	-
10/13/2020	Effluent	1	6.7	7.3	72.1	8.67	3.02	2.4	11	4.52	16.6	14.4	2.2	380	10
		2	6.5	7.3	70.7	8.48	3.03	2.5	-	-	-	-	-	-	-
10/14/2020	Effluent	1	6.1	7.8	88.2	10.17	0.22	2.4	4	2.18	12.3	11.4	1.57	240	2
		2	6.1	7.8	87.8	10.13	0.22	2.4	-	-	-	-	-	-	-
10/15/2020	Effluent	1	6.2	7.9	84.6	10.06	0.22	2.8	5	3.59	14	12.4	1.98	220	12
		2	6.2	7.9	84.6	10.02	0.22	2.7	-	-	-	-	-	-	-
10/16/2020	Effluent	1	6.2	7.9	83.4	9.92	0.22	2.3	<2	1.29	10.4	9.77	1.68	110	2
		2	6.2	7.9	82.7	9.85	0.22	2.4	-	-	-	-	-	-	-
10/17/2020	Effluent	1	6.2	7.8	86.8	10.11	0.22	0.3	<2	1.36	8.1	7.74	1.47	160	<2
		2	6.2	7.8	86.4	10.06	0.22	0.4	-	-	-	-	-	-	-
10/18/2020	Effluent	1	6.1	8.0	87.1	10.29	0.22	2.6	3	2.06	12.1	11.5	1.63	75	2
		2	6.1	8.0	86.5	10.24	0.22	2.5	-	-	-	-	-	-	-
10/19/2020	Effluent	1	6.7	8.1	77.3	9.35	0.22	2.3	2	2.95	10.6	10.4	1.67	220	3
		2	6.7	8.1	76.2	9.27	0.23	2.5	-	-	-	-	-	-	-
10/20/2020	Effluent	1	6.2	8.0	71.7	8.93	0.18	2.5	<2	4.25	9.8	9.19	1.27	170	2
		2	6.2	8.0	72.9	9.06	0.2	2.4	-	-	-	-	-	-	-
10/21/2020	Effluent	1	6.2	8.0	88.0	10.09	0.22	2.7	4	3.98	17.6	17.2	2.26	410	5
		2	6.2	8.0	88.1	10.02	0.22	2.6	-	-	-	-	-	-	-
10/22/2020	Effluent	1	6.0	7.9	86.6	10.10	0.22	2.5	3	3.64	15.4	14.7	1.85	340	4
		2	6.0	7.9	86.1	10.05	0.22	2.4	-	-	-	-	-	-	-
10/23/2020	Effluent	1	6.6	8.0	78.2	9.56	0.26	2.7	6	2.33	9.5	7.87	1.55	240	5
		2	6.5	8.0	76.6	9.42	0.25	2.6	-	-	-	-	-	-	-
10/24/2020	Effluent	1	6.3	8.0	75.5	9.35	0.23	2.6	2	3.84	11.5	11.2	1.62	230	2
		2	6.3	8.0	73.2	9.26	0.23	2.5	-	-	-	-	-	-	-
10/25/2020	Effluent	1	7.0	7.9	81.2	9.71	0.21	2.6	2	4.08	12.4	12.3	1.85	170	<2
		2	6.9	7.9	79.7	9.60	0.19	2.7	-	-	-	-	-	-	-
10/26/2020	Effluent	1	6.4	8.0	80.7	9.94	0.22	2.3	3	3.26	13.4	12.4	2.14	270	2
		2	6.4	8.0	80.0	9.87	0.22	2.4	-	-	-	-	-	-	-
10/27/2020	Effluent	1	6.5	8.0	75.2	9.33	0.2	2.3	3	2.35	12.8	11.4	1.99	210	2
		2	6.4	8.0	76.3	9.35	0.2	2.4	-	-	-	-	-	-	-
10/28/2020	Effluent	1	6.2	8.0	80.4	9.66	0.2	2.3	3	1.5	11.6	10.2	1.95	190	3
		2	6.2	8.0	80.0	9.62	0.2	2.4	-	-	-	-	-	-	-
10/29/2020	Effluent	1	6.6	8.0	73.5	9.14	0.25	3.0	3	1.63	13.1	11.1	2.25	340	2
		2	6.5	8.0	74.4	9.21	0.24	2.9	-	-	-	-	-	-	-
10/30/2020	Effluent	1	6.5	7.9	79.5	9.42	0.22	2.5	3	1.62	13.2	11.6	2.18	110	3
		2	6.5	7.9	79.0	9.36	0.22	2.5	-	-	-	-	-	-	-
10/31/2020	Effluent	1	6.5	8.0	78.8	9.55	0.22	2.2	<2	1.91	12.9	11.9	2.13	110	2
		2	6.5	8.0	78.2	9.49	0.22	2.3	-	-	-	-	-	-	-
								Action Level	20	-	28.6	-	3.3	664	13.3
								Limit Level	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