

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
12/1/2020	Effluent	1	6.6	7.7	77.4	8.46	0.3	2.3	3	2.56	10.2	9.5	1.5	170	2
		2	6.6	7.7	77.0	8.42	0.3	2.3	-	-	-	-	-	-	-
12/2/2020	Effluent	1	6.7	8.0	71.8	9.66	0.3	2.6	16	2.83	11.4	9.52	1.62	190	3
		2	6.5	8.0	72.7	9.73	0.3	2.9	-	-	-	-	-	-	-
12/3/2020	Effluent	1	6.6	7.7	66.4	7.23	0.22	2.0	4	2.01	12	11.2	1.33	110	<2
		2	6.7	7.7	66.2	7.20	0.24	2.0	-	-	-	-	-	-	-
12/4/2020	Effluent	1	6.5	7.9	77.5	9.89	0.3	2.8	3	1.32	9.3	8.49	1.25	200	<2
		2	6.4	7.9	75.3	9.72	0.3	2.5	-	-	-	-	-	-	-
12/5/2020	Effluent	1	6.6	7.9	73.3	9.43	0.2	2.6	2	7.11	14.6	13.9	1.28	280	2
		2	6.6	7.9	72.6	9.36	0.2	2.3	-	-	-	-	-	-	-
12/6/2020	Effluent	1	6.6	7.8	74.3	8.16	0.3	2.3	<2	4.83	16.3	15.5	1.67	360	<2
		2	6.6	7.8	73.5	8.10	0.3	2.4	-	-	-	-	-	-	-
12/7/2020	Effluent	1	6.6	7.9	78.6	8.66	0.3	2.2	3	4.83	16	14.4	2.6	630	<2
		2	6.6	7.9	78.0	8.59	0.3	2.3	-	-	-	-	-	-	-
12/8/2020	Effluent	1	6.6	7.8	78.2	8.12	0.3	2.3	3	6.64	16.9	15.5	2.32	240	4
		2	6.6	7.8	77.5	8.07	0.3	2.4	-	-	-	-	-	-	-
12/9/2020	Effluent	1	6.6	7.7	78.6	8.26	0.3	2.3	3	7.78	15.6	15.1	1.91	140	2
		2	6.6	7.7	78.0	8.19	0.3	2.3	-	-	-	-	-	-	-
12/10/2020	Effluent	1	6.6	8.0	80.6	8.88	0.3	3.1	2	3.62	15.3	15	2	240	3
		2	6.6	8.0	80.0	8.81	0.3	3.1	-	-	-	-	-	-	-
12/11/2020	Effluent	1	6.6	7.9	76.5	9.57	0.2	2.9	5	4.15	12	11.7	1.54	580	3
		2	6.6	7.9	77.4	9.61	0.2	3.1	-	-	-	-	-	-	-
12/12/2020	Effluent	1	6.5	8.0	77.9	9.69	0.2	3.1	4	0.12	16.8	15.2	1.7	140	2
		2	6.4	8.0	78.5	9.77	0.2	2.9	-	-	-	-	-	-	-
12/13/2020	Effluent	1	6.6	7.9	80.1	9.31	0.3	2.2	2	1.33	12.8	12.2	1.54	24	2
		2	6.6	7.9	79.2	9.20	0.3	2.2	-	-	-	-	-	-	-
12/14/2020	Effluent	1	6.5	8.0	70.8	8.55	0.3	3.1	2	1.49	18	14.5	1.7	520	2
		2	6.3	8.0	72.6	8.74	0.3	3.1	-	-	-	-	-	-	-
12/15/2020	Effluent	1	6.5	7.8	81.7	8.98	0.2	2.2	3	7.78	15.2	14.8	1.49	330	3
		2	6.5	7.8	81.0	8.90	0.2	2.3	-	-	-	-	-	-	-
12/16/2020	Effluent	1	6.5	8.1	80.4	8.74	0.3	2.4	<2	0.96	14.3	12.9	1.12	31	<2
		2	6.5	8.1	80.0	8.69	0.3	2.4	-	-	-	-	-	-	-
12/17/2020	Effluent	1	6.5	8.0	76.7	8.81	0.2	2.4	<2	2.19	20.7	18.7	1.59	43	2
		2	6.5	8.0	76.0	8.73	0.2	2.4	-	-	-	-	-	-	-
12/18/2020	Effluent	1	6.5	8.1	75.7	8.27	0.3	2.2	<2	5.68	15.7	15	1.58	22	<2
		2	6.5	8.1	75.0	8.19	0.3	2.3	-	-	-	-	-	-	-
12/19/2020	Effluent	1	6.5	7.8	78.9	8.66	0.3	2.2	<2	2.3	15.1	14.7	1.27	170	2
		2	6.5	7.8	78.0	8.55	0.3	2.2	-	-	-	-	-	-	-
12/20/2020	Effluent	1	6.5	7.9	81.6	9.22	0.3	2.2	6	8.8	22.4	21.1	1.49	53	4
		2	6.5	7.9	81.0	9.15	0.3	2.3	-	-	-	-	-	-	-
12/21/2020	Effluent	1	6.5	7.9	78.7	8.67	0.2	2.3	3	7.62	19.1	17	1.74	420	<2
		2	6.5	7.9	78.0	8.59	0.2	2.3	-	-	-	-	-	-	-
12/22/2020	Effluent	1	6.3	7.9	68.8	9.03	0.25	2.6	4	5.1	15.4	15	1.77	330	<2
		2	6.3	7.9	70.7	9.09	0.24	2.9	-	-	-	-	-	-	-
12/23/2020	Effluent	1	6.5	7.9	82.6	8.87	0.2	2.2	4	4.15	14.5	13.8	1.8	420	2
		2	6.5	7.9	82.0	8.80	0.2	2.2	-	-	-	-	-	-	-
12/24/2020	Effluent	1	6.5	8.0	84.2	9.11	0.2	2.3	4	5.1	15.4	14.4	1.99	150	2
		2	6.5	8.0	83.6	9.05	0.2	2.3	-	-	-	-	-	-	-
12/25/2020	Effluent	1	6.5	7.9	84.0	8.68	0.2	2.3	<2	2.68	12.8	10.8	1.7	590	<2
		2	6.5	7.9	83.1	8.60	0.2	2.2	-	-	-	-	-	-	-
12/26/2020	Effluent	1	6.5	8.0	81.7	8.59	0.2	2.2	<2	1.69	9.2	8.17	0.56	450	<2
		2	6.5	8.0	81.1	8.51	0.2	2.3	-	-	-	-	-	-	-
12/27/2020	Effluent	1	6.5	7.9	78.8	8.26	0.2	2.3	<2	3.4	11.4	10.3	0.77	190	<2
		2	6.5	7.9	78.0	8.19	0.2	2.3	-	-	-	-	-	-	-
12/28/2020	Effluent	1	6.5	7.9	80.6	9.16	0.2	2.3	3	7.24	14.3	13	1.24	620	<2
		2	6.5	7.9	79.9	8.98	0.2	2.3	-	-	-	-	-	-	-
12/29/2020	Effluent	1	6.5	7.8	78.8	8.78	0.2	2.3	<2	7.78	14.8	14	0.92	290	2
		2	6.5	7.8	78.1	8.70	0.2	2.3	-	-	-	-	-	-	-
12/30/2020	Effluent	1	6.5	7.9	81.1	8.79	0.2	2.2	<2	7.84	13	12.3	1.26	600	<2
		2	6.5	7.9	80.3	8.70	0.2	2.2	-	-	-	-	-	-	-
12/31/2020	Effluent	1	6.5	7.8	83.2	9.07	0.2	2.1	8	8.41	15.6	14.9	1.5	290	4
		2	6.5	7.8	82.5	9.01	0.2	2.1	-	-	-	-	-	-	-

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