

Table 1 - Effluent Objective

Effluent Parameter	Objective	Limits
CBOD5	5.00 mg/L (Monthly Average)	10.00 mg/L (Annual Average)
Total Suspended Solids	5.00 mg/L (Monthly Average)	10.00 mg/L (Annual Average)
Total Phosphorus	0.10 mg/L (Monthly Average)	0.20 mg/L
Total Ammonia Nitrate (Winter)	2.00 mg/L (October to March)	4.00 mg/L
Total Ammonia Nitrate (Summer)	1.00 mg/L (April to September)	2.00 mg/L
E. Coli	100 CFU/100mL	200 CFU/100mL

Note: pH maintained between 6.5 to 8.5 at all times

Table 2 - Final Effluent Results

Month	CBOD5 (mg/L)	Total Suspended Solids (mg/L)	Total Phosphorus (mg/L)	Total Ammonia Nitrogen (mg/L)	pH	E Coli (CFU/100mL)	Acute Lethality (Pass or Fail)
January	3.00	3.30	0.42	0.24	7.6	0	NA
February	3.00	1.40	0.12	0.23	8.18	0	NA
March	3.00	3.40	0.11	0.38	8.25	0	NA
April	3.00	1.70	0.10	0.24	8.1	1	PASS
May	3.00	1.90	0.09	0.06	8.27	1	NA
June	3.00	1.70	0.09	0.04	8.25	1	NA
July	3.00	2.30	0.08	0.03	8.23	2	PASS
August	3.00	3.30	0.11	0.04	7.89	2	NA
September	3.00	2.50	0.15	0.08	7.87	0	NA
October	3.00	2.60	0.12	0.03	7.8	0	NA
November	3.00	2.60	0.12	0.11	7.88	1	PASS
December	3.00	2.80	0.08	0.00	7.99	0	NA
Average	3.00	2.46	0.13	0.12	8.03	0.67	NA

Table 3 - Upstream Surface Water Monitoring

Date	CBOD (mg/L)	Total Suspended Solids (mg/L)	Total Phosphorus (mg/L)	Total Ammonia Nitrate (mg/L)	Nitrate Nitrogen (mg/L)	E. Coli (CFU/100mL)	pH
April 13, 2021	<3.0	4.00	0.10	<0.01	<0.01	122	8.04
Jul 06, 2021	<3.0	25.00	<0.01	0.04	0.10	3000	8.09

Table 4 - Downstream Surface Water Monitoring

Date	CBOD (mg/L)	Total Suspended Solids (mg/L)	Total Phosphorus (mg/L)	Total Ammonia Nitrate (mg/L)	Nitrate Nitrogen (mg/L)	E. Coli (CFU/100mL)	pH
April 13, 2021	<3.0	3.00	0.10	0.06	2.20	12	8.06
Jul 06, 2021	<3.0	13.00	<0.01	0.03	0.20	3000	8.13

Table 5 - Reportable Bypasses

Date	Start Time	Duration (hours)	Volume (m3)	Reason	Precipitation (mm)
No bypass events to report for 2021					

Table 6 - Reportable Bypass Sampling

Parameter	E. Coli (CFU/100mL)	CBOD5 (mg/L)	Total Suspended Solids (mg/L)	Total Phosphorus (mg/L)	Total Ammonia (mg/L)
Annual Average	NA	NA	NA	NA	NA

Table 7 - Annual Plant Flows

Parameter	2018	2019	2020	2021
Average (m3/day)	126.58	100.05	70.10	60.00
Maximum (m3/day)	189.25	243.00	110.50	97.00
Design (m3/day)	125.00	125.00	125.00	125.00
Peak (m3/day)	200.00	200.00	200.00	200.00
Daily/Design (%)	101.26%	80.04%	56.08%	48.00%

Table 8 - Monthly Plant Flows

Month	Minimum Flow (m3/day)	Rated Capacity Flow (m3/day)	Maximum Flow (m3/day)	Average Flow (m3/day)	Total Flow (m3/month)
January	47	200	96	70	2112
February	37	200	63	48	1303
March	53	200	123	80	2389
April	53	200	123	69	1993
May	39	200	100	67	1869
June	27	200	49	39	1117
July	33	200	80	46	1436
August	28	200	64	42	1306
September	20	200	74	34	995
October	24	200	142	63	1951
November	48	200	107	78	2273
December	48	200	139	80	2483
Average	38	200	97	60	1769