

1ST APRIL 2021 - 31ST MARCH 2022

Sample Date	Monthly Rainfall	DISCHARGE AND MP1									DISCHARGE AND MP6						LOAD CALCULATIONS					MP2	MP4			MP3			MP2	PERCENTILE CONCENTRATION LIMIT								
		Faecal Coliforms	Amm	pH	TSS	BOD	O&G	Total N	Phos	Faecal Coliforms	Amm	pH	TSS	BOD	O&G	Total N	Phos	TSS Ld	BOD Ld	O&G Ld	Total N Ld		Phos Ld	Daily Volume	Down Stream			Up Stream			Monthly Flow	POLLUTANT	LIMIT	50 PERCENTILE	80 PERCENTILE	90 PERCENTILE	100 PERCENTILE	
																									Phos	Nitrates	p H	Phos		Nitrates				p H	CONCENTRATION LIMITS	CONCENTRATION LIMITS	CONCENTRATION LIMITS	CONCENTRATION LIMITS
30.4.2021	4	100	6.9	6.86	26.56	4	2	34.2	0.16	0	0	0	0	0	0	0	41.28752	6.218	3.109	53.1639	0.24872	1554	0.08	3.9	7.02	0.05	1.1	6.93	39587	OIL AND GREASE	READING					2		
30.5.2021	34.5	2300	9.9	7.2	11	4	2	41	0.63	0	0	0	0	0	0	0	11.8305	4.302	2.151	44.0955	0.677565	1076	0.07	5.2	7.03	0.05	1.5	6.97	31647		READING					6.5 - 8.5		
30.06.2021	114	52	2.01	7.4	5	8	2	11.8	0.22	0	0	0	0	0	0	0	8.98	14.368	3.592	21.1928	0.39512	1796	0.07	2.7	7.2	0.05	1.1	6.98	38273	p H	READING					7.55		
31.07.2021	155	45	2.02	7.55	5	3	2	10	0.2	0	0	0	0	0	0	0	12.805	7.683	5.122	25.61	0.5122	2561	0.07	2.9	7.3	0.05	0.9	7.12	63940		LIMIT					15	20	
31.08.2021	115	800	1.5	7.52	5	2	2	6.8	0.16	0	0	0	0	0	0	0	7.8225	3.129	3.129	10.6386	0.25032	1564	0.06	2.2	7.36	0.05	1	7.06	65398	NITROGEN (TOTAL)	READING					32	41	
30.09.2021	77	6	0.94	7.34	5	7	2	6.8	0.21	0	0	0	0	0	0	0	12.3175	17.2445	4.927	16.7518	0.517335	2463	0.06	1.7	7.29	0.21	6.8	6.98	50851		LIMIT					1	2	
31.10.2021	76	0	0	0	0	0	0	0	0	200	4.25	7.04	5	3	2	26.6	9.775	5.865	3.91	52.003	0.29325	1955	0.06	1.5	7.08	0.05	0.7	6.92	52688	PHOSPHOROUS (TOTAL)	READING					0.22	0.63	
30.11.2021	83	0	0	0	0	0	0	0	0	2800	2.05	7.12	5	3	2	20	14.985	8.891	5.594	59.94	0.98901	2997	0.05	1.6	7.13	0.05	1.2	7.15	67189		LIMIT							
09.12.2021	0	0	0	0	0	0	0	0	0	600	3.75	7.05	6	3	2	20.5	8.115	4.0575	2.705	27.72625	1.21725	1353	0.06	1.2	7.14	0.06	1	7.14	38780	FAECAL COLIFORMS	READING					200	600	
7.2.22	0	0	0	0	0	0	0	0	0	8000	3.85	6.92	20	7	2	21.1	28.28	9.898	2.828	29.8354	0.76356	1414	0.07	1.3	7.01	0.06	1.1	7.03	39921	TOTAL SUSPENDED SOLIDS (TSS)	READING	3				25	30	
8.03.22	0	0	0	0	0	0	0	0	0	3000	2.82	7.02	12	7	2	18.6	17.28	10.08	2.88	26.784	0.9504	1440	0.05	1.5	7.15	0.05	1.2	7.23	35102	BIOCHEMICAL OXYGEN DEMAND (BOD)	LIMIT	15				20	30	
4.04.22	0	0	0	0	0	0	0	0	0	91	3.12	6.43	5	4	2	29.5	8.2875	6.63	3.315	48.89625	0.7956	1657	0.08	2.7	6.9	0.06	1.5	6.95	40776		READING	1				7	8	
	Min	6	0.94	6.86	5	2	0	5.6	0.16	91	2.05	6.43	5	3	2	17.8							Min	0.05	1.2	6.9	0.05	0.7	6.92									
	Mean	550.5	3.878333	7.31	9.5	4.666667	2	18.433333	0.263333	2448.5	3.306667	6.93	8.83	4.5	2	22.71667							Mean	0.065	2.366667	7.134167	0.065833	1.591667	7.038333									
	Max	2300	9.9	7.55	26.6	8	2	41	0.63	8000	4.25	7.12	20	7	2	29.5							Max	0.08	5.2	7.36	0.21	6.8	7.23									
		Sum of Observed Daily Loads									Sum of Observed Daily Loads					Sum of Observed Daily Loads					ANNUAL FLOW			564152.00														
		Flow Weighted Concentration									Flow Weighted Concentration					Flow Weighted Concentration					MEAN DAILY FLOW K			1545.62														
		Flow Weighted Concentration X Total Flow									Flow Weighted Concentration X Total Flow					Flow Weighted Concentration X Total Flow					MIN DAILY FLOW k L			1.00														
		STORMWATER BYPASS TOTAL (k L)									STORMWATER BYPASS TOTAL (k L)					STORMWATER BYPASS TOTAL (k L)					MAX DAILY FLOW k L			5547														

Assessable Pollutant					
	Biochemical Oxygen Demand	Nitrogen (Total)	Oil & Grease	Phosphorus (Total)	Total Suspended
Load Limits kg (To Date)	1959	4750	1150	1200	9159
	2544.5	10766.7	1128.3	196.7	4697.1
<=10000 ML per Year	5,547	5,547	5,547	5,547	5,547
(FRT) Factor	10	10	2	0.3	15
Threshold (CFRT)	55.47	55.47	11.094	1.6641	83.205
Threshold (AFRT)	5033.6	21477.8	2245.5	391.7	9311.1
Calculation Fator (CF)	0.004262	0.294078	0.315388	8.69448	0.332436
Calculated Pollutant fee	\$21.45	\$6,316.16	\$708.21	\$3,405.32	\$3,095.34

Biochemical Oxygen Demand	21.45
Nitrogen (Total)	\$6,316.16
Oil & Grease	\$708.21
Phosphorus (Total)	\$3,405.32
Total Suspended	\$3,095.34
	\$13,525.03

Small Plant Factor (ML per year) = Total Yearly Flow
 Small Plant Factor (ML per year) x FRT = CFRT
 Assessable Load (AL) x 2 - CFRT = AFRT
 AFRT x CF = Calculated Pollutant Fee