

Big Rapids WWTP Summary of Monthly Operating Reports for 2016

2016			Final Effluent Solids TSS					Final Effluent Solids CBOD				
City of Big Rapids Wastewater Treatment Plant	Raw Influent Monthly Flow MGD	Final Effluent Monthly Flow MGD	TSS mg/L Monthly Average (30 Max)	TSS Lbs Monthly Average (600 Max)	TSS mg/L 7-Day Average (45 Max)	TSS Lbs 7-Day Average (900 Max)	TSS % Removal 85% Minimum	CBOD mg/L Monthly Average (25 Max)	CBOD Lbs Monthly Average (500 Max)	CBOD mg/L 7-Day Average (40 Max)	CBOD Lbs 7-Day Average (800 Max)	CBOD % Removal 85% Minimum
January	31.47	30.32	15	119	18	151	95	11	89	13	111	96
February	33.45	33.23	13	129	16	168	93	9	87	11	112	97
March	35.80	35.82	9	89	12	127	97	7	67	10	108	98
April	37.64	36.82	5	55	6	67	98	4	47	6	66	98
May	31.93	30.94	4	55	9	65	99	4	30	5	45	99
June	27.24	27.87	13	107	21	162	97	6	48	7	54	97
July	30.55	29.73	11	93	11	93	96	4	30	4	30	99
August	33.14	32.50	14	125	17	152	94	5	41	5	43	99
September	36.60	36.33	10	102	15	147	97	5	50	7	68	99
October	36.98	36.02	6	60	7	66	98	4	35	5	48	98
November	31.10	31.05	11	96	13	113	96	5	42	7	60	98
December	28.77	28.53	13	107	17	129	95	5	38	6	46	98
Sum 2016	394.67	389.16										
Avg	32.89	32.43	10.3	95	14	120	96	5.7	50	7	66	98
Max	37.64	36.82	14.5	129	21	168	99	10.8	89	13	112	99
Min	27.24	27.87	3.6	55	6	65	93	3.6	30	4	30	96
2016			FINAL EFFLUENT NH3, P, Hg					FINAL EFFLUENT pH, DO, Fec. Col.				
City of Big Rapids Wastewater Treatment Plant	NH3 mg/L Monthly Average	P mg/L Monthly Average (1.0 Max)	P Lbs Monthly Average (20 Max)	Hg ng/L 12 Month Roll. Avg (10 Max)	Hg Lbs 12 Month Rolling Avg (.0002 lbs/day)	Hg ng/L Monthly Report	Hg Lbs/Day Average	pH Average (6.5 Min)	pH Average (9.0 Max)	DO mg/l (3.0 Min)	Fecal Coliform Monthly (200 Max)	Fecal Coliform 7 Day Avg (400 Max)
January	18.3	0.7	6					7	7.3	6.0	180	436
February	19.2	0.5	5	1.4	0.0000080	1.1	0.000013	6.7	7.3	6.8	114	215
March	14.5	1.0	10					6.9	7.4	7.5	37	65
April	14.0	0.5	5					6.9	7.5	7.4	29	34
May	0.3	0.5	4	1.2	0.0000119	1.3	0.000013	6.8	7.5	7.2	28	39
June	2.3	0.8	7					6.6	7.3	7.8	84	161
July	0.5	1.0	8					6.6	6.9	7.4	99	144
August	3.9	0.7	7	1.0	0.0000100	0.7	0.000007	6.5	6.7	7.2	42	95
September	8.2	0.9	9					6.5	6.9	6.8	63	112
October	2.4	0.4	4					6.6	6.8	7.3	28	34
November	3.9	1.0	9	1.0	0.0000100	0.8	0.000008	6.5	6.7	7.9	63	94
December	0.3	0.6	5					6.5	6.9	9.1	89	123
Sum 2016												
Avg	7.3	0.7	7	1.1	0.0000100	1.0	0.000010	6.7	7.1	7.4	71	129
Max	19.2	1.0	10	1.4	0.0000119	1.3	0.000013	7.0	7.5	9.1	180	436
Min	0.3	0.4	4	1.0	0.0000080	0.7	0.000007	6.5	6.7	6.0	28	34