

Big Rapids WWTP Summary of Monthly Operating Reports for 2015

2015			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	28.53	27.97	10	78	13	113	97	5	37	7	56	99
February	30.83	30.23	7	56	8	66	98	13	106	16	126	97
March	36.15	35.44	16	140	18	163	95	12	105	13	128	97
April	44.07	43.21	12	141	33	408	96	7	73	14	160	98
May	35.93	35.23	6	51	8	71	98	3	28	4	39	99
June	29.86	29.27	9	72	11	86	97	4	29	4	32	97
July	27.81	27.26	6	51	9	75	98	3	26	4	30	99
August	28.10	27.55	5	39	6	56	98	3	28	4	40	99
September	33.67	33.01	11	110	17	178	97	5	45	5	54	99
October	33.42	32.76	12	111	13	130	97	6	58	7	72	99
November	31.02	30.41	16	144	21	187	96	8	70	10	91	98
December	27.40	26.86	16	150	22	217	95	10	87	13	121	97
Sum 2015	386.79	379.20										
Avg	32.23	31.60	10.5	95	15	146	97	6.6	58	8	79	98
Max	44.07	43.21	16.0	150	33	408	98	13.0	106	16	160	99
Min	27.40	26.86	5.0	39	6	56	95	3.0	26	4	30	97
2015			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	2.4	0.4	3					6.6	7.2	7.7	73	181
February	13.0	0.5	4	1.1	0.0000107	1.1	0.000011	6.7	7.3	6.8	114	215
March	11.0	0.6	5					6.8	7.1	8.0	88	182
April	1.7	0.7	8					6.8	7.5	7.3	59	277
May	0.3	0.5	4	1.2	0.0000119	1.3	0.000013	6.8	7.6	7.9	30	67
June	0.3	0.6	5					7.0	7.7	7.4	27	32
July	3.2	0.9	5					7.0	7.2	7.5	36	180
August	0.8	0.7	6	1.0	0.0000100	0.7	0.000007	7.0	7.2	6.8	38	87
September	2.5	0.7	7					6.7	7.2	6.4	50	128
October	1.0	0.6	6					6.8	7.4	7.0	30	42
November	3.6	0.7	7	1.0	0.0000100	0.8	0.000008	6.8	7.2	7.0	62	131
December	17.2	0.6	5					6.8	7.4	6.6	76	322
Sum 2015												
Avg	4.8	0.6	5	1.1	0.0000107	1.0	0.000010	6.8	7.3	7.2	57	154
Max	17.2	0.9	8	1.2	0.0000119	1.3	0.000013	7.0	7.7	8.0	114	322
Min	0.3	0.4	3	1.0	0.0000100	0.7	0.000007	6.6	7.1	6.4	27	32