

## Big Rapids WWTP Summary of Monthly Operating Reports for 2014

2014			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	31.64	31.61	9	76	13	125	96	5	46	7	67	98
February	30.26	30.23	15	138	22	203	93	6	59	10	91	98
March	35.47	35.44	13	123	20	191	94	6	56	10	96	98
April	43.24	43.21	41	788	219	309	78	13	219	34	694	95
May	35.26	35.23	5	50	7	78	97	3	31	5	59	99
June	29.30	29.27	6	45	7	53	98	3	24	4	31	99
July	27.29	27.26	3	26	5	37	99	9	66	13	94	98
August	27.58	27.55	3	22	4	32	98	7	54	13	94	98
September	33.04	33.01	3	28	4	34	99	7	61	10	86	99
October	32.79	32.76	4	34	4	42	99	7	65	9	80	98
November	30.44	30.41	6	50	7	60	98	10	86	12	101	97
December	26.89	26.86	7	47	8	62	98	15	104	19	126	96
Sum 2014**	383.20	382.84										
Avg	31.93	31.90	9.5	119	27	102	96	7.6	73	12	135	98
Max	43.24	43.21	41.0	788	219	309	99	14.7	219	34	694	99
Min	26.89	26.86	2.9	22	4	32	78	3.0	24	4	31	95
2014			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	2.5	0.6	5					6.6	7	7.4	22	31
February	9.0	0.6	5	2.3	0.0000211	2.3	0.000021	6.5	6.9	6.5	29	61
March	5.0	0.5	5					6.5	6.9	7.4	31	73
April	12.3	1.1	20	2.2	0.0000200	2.1	0.000019	6.6	7.1	5.4	31	42
May	6.1	0.2	2					6.7	7	6.8	26	48
June	0.3	0.2	2					6.7	8	5.0	29	31
July	0.7	0.5	4					6.7	7.1	6.9	25	41
August	1.8	0.5	4	2.0	0.0000162	1.5	0.000011	6.4	7.2	6.5	30	54
September	1.5	0.6	5					6.3	6.7	6.4	33	104
October	0.5	0.5	4					6.6	7	6.6	45	108
November	2.1	0.5	4	1.8	0.0000148	1.3	0.000010	6.5	7.2	7.1	61	128
December	2.1	0.8	6					6.8	7.1	7.6	39	51
Sum 2014**												
Avg	3.7	0.5	6	2.1	0.0000180	1.8	0.000015	6.6	7.1	6.6	33	64
Max	12.3	1.1	20	2.3	0.0000211	2.3	0.000021	6.8	8.0	7.6	61	128
Min	0.3	0.2	2	1.8	0.0000148	1.3	0.000010	6.3	6.7	5.0	22	31