

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Oct-03
 LaPorte Wastewater Treatment Plant
 2101 Boyd Boulevard
 LaPorte IN, 46350
 Phone # (219)362-2354

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Permit # IN0025577

Certified Operator : Jerry P Jackson

Certification Number : 11496

					Raw Sewage				Primary Effluent				Secondary Effluent				Rotary Filter		Fixed-Bed Filter		Trickling Filters	Biotowers					
Day of the Month	Day of the Week	Total Flow in MGal/Day	Weekly Average Flow in MGal/Day	Precip in inches	Collection System Overflow 'X' if occurred	Diversion to CSO Basin At site hours	CSO Basin Overflow in MGal/Day	pH	CBOD in mg/L	TSS in mg/L	NH3 in mg/L	pH	CBOD in mg/L	TSS in mg/L	NH3 in mg/L	pH	CBOD in mg/L	TSS in mg/L	NH3 in mg/L	Flow in MG/Day	Cleaning in Minutes	Flow in MG/Day	Cleaning in Minutes	Secondary Recirc. Ratio	Flow in MG/Day	Tertiary Recirc. Ratio	Cleaning in Minutes
1	Wed	2.3					0.00	7.99	180	117	31.22	7.64	108	58	26.82	7.52	13	15	10.86	4.9		3.8		2.86	8.3	2.67	100
2	Thu	2.4		0.01			0.00	7.94	180	186	29.49	7.63	97	66	27.35	7.35	13	20	11.43	4.9		3.8		2.68	8.3	2.51	
3	Fri	3.5		0.21		0.8	0.00	7.92	340	446	29.43	7.63	95	65	21.65	7.28	21	22	10.25	5.2		3.8		1.57	8.5	1.44	
4	Sat	2.2	2.8				0.00	7.87	163	74	28.00	7.52	79	62	24.44	7.44	11	16	8.70	5.0		3.8		2.97	8.1	2.69	
5	Sun	2.4					0.00	7.88	180	82	29.14	7.49	93	52	26.05	7.37	11	14	10.57	5.0		3.8		2.72	8.2	2.46	
6	Mon	2.2					0.00	7.86	220	140	30.89	7.50	118	60	27.92	7.35	12	17	10.83	4.9		3.8	330	3.02	8.2	2.78	
7	Tue	2.3					0.00	7.77	180	154	34.03	7.43	114	70	30.63	7.37	16	22	11.16	4.9	60	3.8		2.84	8.1	2.57	
8	Wed	2.3					0.00	7.77	220	175	32.36	7.46	110	62	27.39	7.22	12	15	10.80	4.9		3.8		2.86	8.3	2.67	
9	Thu	3.2					0.00	7.76	155	166	22.19	7.51	88	66	19.64	7.16	15	22	10.48	4.9		3.3		1.55	8.3	1.56	
10	Fri	3.0					0.00	7.68	190	131	24.08	7.53	80	66	17.51	7.46	11	22	7.28	5.0		3.9		1.94	8.3	1.73	
11	Sat	2.1	2.5				0.00	7.65	230	152	29.77	7.50	103	42	21.56	7.33	12	10	7.86	5.0		3.9		3.21	8.3	2.91	
12	Sun	2.1		0.02			0.00	7.83	208	114	31.88	7.55	88	58	22.48	7.42	11	12	7.60	5.0		3.9		3.32	8.2	2.97	
13	Mon	2.3					0.00	7.84	245	156	28.09	7.64	141	62	24.49	7.39	16	16	8.83	5.0		3.8		2.76	8.2	2.49	
14	Tue	6.8		1.40		10.3	0.00	7.37	170	250	9.98	7.32	63	54	10.84	7.44	38	24	4.96	6.4		3.8		0.50	8.2	0.20	
15	Wed	4.5					0.00	7.82	86	51	15.07	7.57	68	48	20.35	7.28	13	15	7.09	5.0		3.9		0.98	10.2	1.28	
16	Thu	4.7		0.02			0.00	7.76	101	90	16.18	7.58	61	42	20.57	7.42	13	12	7.74	5.0		3.8		0.88	8.3	0.78	
17	Fri	3.8					0.00	7.76	175	104	21.01	7.62	82	67	17.71	7.44	13	17	8.34	4.9		3.8		1.33	8.1	1.16	
18	Sat	2.2	3.8				0.00	7.76	205	92	30.83	7.54	109	54	25.59	7.45	11	7	9.89	5.0		3.7		2.98	8.2	2.73	
19	Sun	2.9					0.00	7.87	153	74	24.43	7.58	105	52	23.34	7.47	13	10	11.22	5.0		3.7		1.95	8.1	1.75	
20	Mon	2.3					0.00	7.84	210	156	31.21	7.53	120	52	22.73	7.38	13	15	9.20	5.0		3.7		2.70	8.1	2.47	
21	Tue	2.7					0.00	7.75	185	142	28.30	7.56	112	56	24.11	7.46	11	11	10.37	5.0		3.8		2.31	8.3	2.12	
22	Wed	2.0					0.00	7.82	230	165	31.66	7.54	125	68	27.48	7.37	11	12	10.37	4.9		3.8		3.30	8.3	3.08	
23	Thu	2.8				1.3	0.00	7.90	180	200	26.77	7.61	100	60	25.14	7.12	12	17	9.94	4.9		3.8		2.07	8.3	1.93	
24	Fri	2.2					0.00	7.86	190	136	31.68	7.52	135	58	27.49	7.20	11	13	9.03	4.9		3.8		2.91	8.1	2.64	
25	Sat	5.3	2.9	0.80		4.7	0.00	7.15	121	118	12.14	6.97	98	74	13.99	6.91	26	29	8.03	5.6		3.9		0.77	9.0	0.69	
26	Sun	4.2					0.00	7.45	112	52	16.78	7.25	73	40	17.68	7.01	12	12	8.13	5.1		4.1		1.20	8.4	1.02	
27	Mon	4.1					0.00	7.76	121	87	18.74	7.52	81	54	19.58	7.19	13	17	9.43	4.9		3.9		1.13	8.1	0.97	
28	Tue	4.1		0.20			0.00	7.63	104	84	18.22	7.57	78	42	18.71	7.55	15	13	9.27	5.0		3.8		1.13	8.4	1.04	120
29	Wed	2.4		0.02			0.00	7.95	290	128	27.14	7.65	96	56	22.94	7.46	12	14	10.02	4.9		3.8		2.65	8.3	2.49	
30	Thu	2.3					0.00	7.96	210	170	31.29	7.67	93	54	25.46	7.45	10	9	12.11	4.9		3.8		2.71	8.3	2.56	
31	Fri	2.2					0.00	7.89	195	152	31.57	7.58	110	54	28.88	7.51	10	9	12.67	4.9		3.8		3.00	8.1	2.74	
AVERAGE		3.0		0.09		0.6	0.00	7.78	185	140	25.92	7.52	98	57	22.92	7.35	14	15	9.50	5.0	2	3.8	11	2.22	8.3	2.04	7
MAXIMUM		6.8	3.8	1.40		10.3	0.00	7.99	340	446	34.03	7.67	141	74	30.63	7.55	38	29	12.67	6.4	60	4.1	330	3.32	10.2	3.08	120
MINIMUM		2.0		0.01		0.0	0.00	7.15	86	51	9.98	6.97	61	40	10.84	6.91	10	7	4.96	4.9	60	3.3	330	0.50	8.1	0.20	100
# OF DATA		31		8		31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	1	31	1		31		2
TOTAL		94		2.68		17	0	241	5727	4344	804	233	3024	1774	711	228	431	479	294	156	60	118	330		258		220

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Final Effluent

Day of the Month	Day of the Week	Effluent Flow in MGal/Day	pH	CBOD in mg/L	CBOD weekly av in mg/L	CBOD in lbs/Day	CBOD weekly av in lbs/Day	TSS in mg/L	TSS weekly av in mg/L	TSS in lbs/Day	TSS weekly av in lbs/Day	NH3-N in mg/L	NH3-N weekly av in mg/L	NH3-N in lbs/Day	NH3-N weekly av in lbs/Day	Dissolved Oxygen in mg/L	Aerators run in hours	Chlorine Tank Residual in mg/L	Escherichia Coliform (Colonies /100mL)	Effluent Chlorine Residual in mg/L
1	Wed	1.9	7.50	3		61		4		76		0.59		11		8.8		2.85	3	< 0.006
2	Thu	2.0	7.28	< 2		20		8		148		0.52		10		9.1		2.68	3	< 0.006
3	Fri	3.2	7.44	7		207		11		320		2.60		76		9.0		2.80	6	< 0.006
4	Sat	1.9	7.44	5	4	90	109	5	8	92	202	1.53	1.17	28	32	8.9		1.96	181	< 0.006
5	Sun	2.0	7.53	3		55		5		89		0.46		9		9.1		2.79	0	< 0.006
6	Mon	1.8	7.43	3		61		5		81		0.26		5		8.5		2.26	6	< 0.006
7	Tue	1.8	7.48	5		94		6		104		0.33		6		8.2		2.36	5	< 0.006
8	Wed	1.9	7.42	3		64		3		57		0.77		15		8.4		2.65	3	< 0.006
9	Thu	2.8	7.55	4		116		9		235		0.82		22		8.4		2.38	10	< 0.006
10	Fri	2.8	7.69	3		78		11		278		0.60		15		8.6		2.11	18	< 0.006
11	Sat	2.8	7.62	3	4	60	75	3	6	53	128	0.92	0.59	16	13	8.3		2.26	3	< 0.006
12	Sun	1.8	7.51	4		62		4		60		0.41		7		8.2		2.13	12	< 0.006
13	Mon	1.7	7.63	4		78		12		234		0.32		6		8.2		2.24	5	< 0.006
14	Tue	1.9	7.52	14		803		61		3421		2.46		139		8.6		2.62	79	< 0.006
15	Wed	6.3	7.14	5		182		8		279		0.44		16		9.3		2.24	54	< 0.006
16	Thu	4.1	7.38	4		144		3		98		0.37		14		9.4		2.41	24	< 0.006
17	Fri	3.2	7.41	4		116		5		157		0.32		10		9.2		2.49	158	< 0.006
18	Sat	1.7	7.61	2	5	44	204	3	13	55	615	0.25	0.65	4	28	9.3		2.31	6	< 0.006
19	Sun	2.4	7.61	2		54		5		111		0.30		7		9.0		1.74	2	< 0.006
20	Mon	1.9	7.48	3		67		5		98		0.21		4		8.5		3.31	5	< 0.006
21	Tue	2.2	7.49	3		60		3		72		0.22		5		8.5		2.18	14	< 0.006
22	Wed	1.8	7.47	3		49		4		59		0.32		5		8.7		2.49	5	< 0.006
23	Thu	2.4	7.09	3		75		7		159		0.29		7		9.0		2.24	9	< 0.006
24	Fri	1.9	7.20	3		48		3		47		0.38		7		8.9		2.42	3	< 0.006
25	Sat	4.9	6.92	11	4	489	120	12	5	534	154	0.70	0.35	31	10	9.0		3.03	3	< 0.006
26	Sun	3.7	7.02	3		118		4		130		0.53		19		9.4		2.70	28	< 0.006
27	Mon	3.8	7.21	3		102		5		154		0.30		10		9.5		2.36	38	< 0.006
28	Tue	3.8	7.27	3		117		5		164		0.45		16		9.6		2.88	45	< 0.006
29	Wed	2.0	7.45	3		55		4		79		0.30		6		9.1		2.59	1	< 0.006
30	Thu	2.0	7.57	2		41		5		87		0.29		6		9.3		2.44	7	< 0.006
31	Fri	1.9	7.56	< 2		18		3		45		0.25		5		8.6		2.26	10	< 0.006
AVERAGE		2.6	7.42	4		117		7		244		0.60		17		8.9		2.46	9	< 0.006
MAXIMUM		6.3	7.69	14	5	803	204	61	13	3421	615	2.60	1.17	139	32	9.6		3.31	181	< 0.006
MINIMUM		1.7	6.92	<2		18		3		45		0.21		4		8.2		1.74	0	< 0.006
# OF DATA		31	31	31		31		31		31		31		31		31		31	31	31
TOTAL		81	230	122		3630		223		7574		19		539		274.6		76.18	746	< 0.006

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Solids Removal

		Chemicals Used for disinfection						Primary & Secondary Settling			Final Settling		
Day of the Month	Day of the Week	Chlorine in lbs/Day	Sulfur Dioxide in lbs/Day	Grit in cubic ft per day	Screening in cubic ft per day	Pri. Sludge to Primary # 1 Digester (gal x 1000)	Scum to Primary # 2 Digester (gal x 1000)	Secondary Sludge to Pri. Clarifier (gal x 1000)	Cleaning Mechanism run in hours	Sludge Drawn Times per day	Sludge to Headworks (gal x 1000)		
1	Wed	120	40	54	41	20	0	279	6	4	218		
2	Thu	122	64			20	0	291	6	4	217		
3	Fri	170	68			26	0	297	6	3	183		
4	Sat	101	50			23	0	299	6	4	216		
5	Sun	127	44			20	0	296	6	4	217		
6	Mon	133	34			20	0	292	6	4	216		
7	Tue	137	40			20	0	288	6	4	216		
8	Wed	123	40			20	0	287	6	4	215		
9	Thu	148	65			20	0	287	6	9	365		
10	Fri	164	61			20	0	286	6	9	544		
11	Sat	109	42			20	0	283	6	9	544		
12	Sun	108	45			20	0	279	6	14	544		
13	Mon	107	27	41		20	0	277	6	14	326		
14	Tue	220	200			20	0	277	6	7	162		
15	Wed	430	95	54	41	32	16	272	6	2	224		
16	Thu	236	92			20	0	280	6	4	198		
17	Fri	187	78			20	0	276	6	4	190		
18	Sat	102	31			24	0	269	6	4	186		
19	Sun	135	55			22	0	263	4	4	188		
20	Mon	195	39			20	0	260	6	4	185		
21	Tue	124	60	54		20	0	265	6	4	188		
22	Wed	80	50			20	0	269	6	4	186		
23	Thu	179	62		27	20	0	274	6	2	88		
24	Fri	218	41			20	0	277	6		1		
25	Sat	254	125			29	0	279	6				
26	Sun	250	117			21	0	299	6		1		
27	Mon	228	75	54	41	20	0	288	6	2	78		
28	Tue	180	60			20	0	284	6	4	161		
29	Wed	120	40			20	6	280	6	4	191		
30	Thu	81	33			20	0	274	6	4	192		
31	Fri	125	23			20	0	270	6	4	204		
AVERAGE		162	61	8	5	21	1	281	6	5	214		
MAXIMUM		430	200	54	41	32	16	299	6	14	544		
MINIMUM		80	23	41	27	20	0	260	4		0		
# OF DATA		31	31	5	4	31	31	31	31	31	31		
TOTAL		5013	1896	257	149	647	22	8699	184	151	6639		

Secondary Digester		Date:
<i>Sample Taken by Grab Method</i>		
Pollutants:	Wet Wght	Dry Wght
Inorganic	mg/L	mg/Kg
Arsenic - As		
Cadmium - Cd		
Chromium - Cr		
Copper - Cu		
Lead - Pb		
Mercury - Hg		
Molybdenum - Mo		
Nickel - Ni		
Selenium - Se		
Zinc - Zn		
% Total Solids		

Nutrients	Wet Wght	% by
	mg/L	weight
TKN		
Ammonia		
Nitrate		
Phosphorous		
Potassium		

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		Raw Sludge				Primary Digester #1				Primary Digester #2				Secondary Digester				Digested Sludge Storage Tank			
Day of the Month	Day of the Week	Gas produced in 1000 cubic ft per day	Total Solids in percent	Solids Percent Volatile	pH	Total Solids in percent	Solids Percent Volatile	pH	Digester Temp in Deg. F	Total Solids in percent	Solids Percent Volatile	pH	Digester Temp in Deg. F	Sludge to Secondary Digester (gal x 1000)	Total Solids in percent	Solids Percent Volatile	pH	Digester Overflow Supernatant (gal x 1000)	Digester Supernatant (% Total Solids)	Storage Tank Supernatant (gal x 1000)	Secondary to Storage Tank (gal x 1000)
1	Wed								96				97	18				42		0.0	0
2	Thu								96				97	16				39		0.0	0
3	Fri								96				97	20				45		0.0	0
4	Sat								96				97	14				45	2.20	0.0	0
5	Sun								96				97	22				52		0.0	0
6	Mon		2.08	76.9	6.79	3.53	59.9	6.80	96	1.80	65.1	7.03	97	16	2.97	58.2	6.95	40		0.1	0
7	Tue								96				97	21				54		0.2	0
8	Wed								96				97	20				5		0.1	27
9	Thu								96				97	23				4		0.2	28
10	Fri								96				97	24				1		0.3	31
11	Sat								96				97	9				1		0.4	0
12	Sun								96				97	7				1		0.5	
13	Mon		2.01	80.6		4.08	51.9	6.80	96	2.06	60.7	7.08	97	28	4.58	58.2	6.91	0		0.6	37
14	Tue								96				97	55				82		0.6	29
15	Wed								96				97	40				30		0.2	31
16	Thu								96				95	43				8		0.0	60
17	Fri								96				96	58				2		0.0	92
18	Sat								96				96	17				1		0.0	29
19	Sun								96				96	0				1		0.0	
20	Mon		2.68	78.3	6.61	2.82	60.4	6.68	96	3.37		6.96	97	0	4.01	62.1	7.00	0		0.0	0
21	Tue								96				97	29				0		0.0	0
22	Wed								96				97	4				0		0.0	1
23	Thu								96				97	5				0		0.0	0
24	Fri								96				97	7				1		0.0	1
25	Sat								96				97	10				1		0.1	0
26	Sun								96				97	15				33		0.1	0
27	Mon		2.98	73.8	6.94	1.40	61.3	6.83	96	2.33	61.1	6.88	97	17	4.62	49.3	6.92	51		0.1	0
28	Tue								96				97	16				55		0.1	0
29	Wed								96				97	29				20		0.1	29
30	Thu								96				97	11				20		0.1	0
31	Fri								96				97	12				39		0.1	0
AVERAGE			2.44	77.4	6.78	2.96	58.4	6.78	96	2.39	62.3	6.99	97	20	4.05	57.0	6.95	22	2.20	0.1	13
MAXIMUM			2.98	80.6	6.94	4.08	61.3	6.83	96	3.37	65.1	7.08	97	58	4.62	62.1	7.00	82	2.20	0.6	92
MINIMUM			2.01	73.8	6.61	1.40	51.9	6.68	96	1.80	60.7	6.88	95	0	2.97	49.3	6.91	0	2.20	0.0	
# OF DATA			4	4	3	4	4	4	31	4	3	4	31	31	4	4	4	31	1	31	31
TOTAL			10	310	20	12	234	27	2969	10	187	28	3004	605	16	228	28	674	2	4	396

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NPDES LIMITS AND ANALYSIS

Metals and Cyanide Analysis

INFLUENT										EFFLUENT						
Method: 24 hour composite										Site: Post Cl2 Tank						
Sample Characteristics		Cd	Cr	Cu	Pb	Ni	Zn	CN-	Cd	Cr	Cu	Pb	Ni	Zn	CN-	
Sample Number		CO1027	CO1032	CO1042	CO1051	CO1074	CO1092	CO0720	CO1027	CO1032	CO1042	CO1051	CO1074	CO1092	CO0720	
Sample Type	Permit Condition	24 Hour	Grab	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	Grab	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	
	Monitored	24 Hour	Grab	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	Grab	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	
Frequency	Permit Condition	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	4-31 Days	
	Monitored	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	4-31 Days	
Parameter Limits	Daily Maximum								0.005	0.940	0.055	0.020	0.160	0.500	0.016	
	Monthly Average								0.002	0.400	0.024	0.010	0.070	0.200	0.016	
1st Date: October 1st				0.140							0.025				0.005	
2nd Date: October 8th		0.0002	<0.005	0.170	0.014	<0.002	0.120	<0.005	<0.0002	<0.005	0.034	<0.001	<0.002	0.028	<0.005	
3rd Date: October 15th				0.054							<0.020				<0.005	
4th Date: October 22nd		0.0002	0.005	0.140	0.003	0.008	0.081	<0.005	<0.0002	<0.005	0.027	<0.001	0.002	0.025	0.005	
5th Date: October 29th				0.093							0.022				<0.005	
Number of times Limit Value exceeded:		NA	NA	NA	NA	NA	NA	NA	0	0	0	0	0	0	0	
Average		0.0002	0.004	0.119	0.009	0.005	0.101	<0.003	<0.0001	<0.003	0.024	<0.001	0.002	0.027	0.004	
Maximum		0.0002	0.005	0.170	0.014	0.008	0.120	<0.005	<0.0002	<0.005	0.034	<0.001	0.002	0.028	0.005	

* We are currently under Agreed Order 2000-9996-W with IDEM to resolve effluent copper concerns.

Other Permit Analysis

	Weekly Av	Monthly	Weekly Av	Monthly	Weekly Av	Monthly	Weekly Av	Monthly	Weekly Av	Monthly	Weekly Av	Monthly	Weekly Av	Monthly	Daily		Daily Max	Mnthly Av	
	FLOW	Average	CBOD	Average	CBOD	Average	TSS	Average	TSS	Average	NH3-N	Average	NH3-N	Average	Dissolved	pH	Chlorine	Escherichia	Escherichia
	in	in	in	in	in	in	in	in	in	in	in	in	in	in	mg/L	mg/L	mg/L	(Colonies	(Colonies
	MGD	MGD	mg/L	mg/L	lbs/Day	lbs/Day	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	/100mL)	/100mL)
Limit	None	None	30	20	1751	1168	36	24	2102	1401	2.40	1.60	140	95	6.0	6-9	0.01	235	125
Times Violated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max	3.8	3.0	5	4	204	117	13	7	615	244	1.17	0.60	32	17	8.2	7.69	< 0.006	181	9
Total				0		0		0		0		0		0	0	0			0

*Dissolved Oxygen value is minimum daily average

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Oct-03
 LaPorte Wastewater Treatment Plant
 2101 Boyd Boulevard, La Porte IN 46350
 Phone # (219)362-2354

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 Permit # IN0025577
 Certified Operator : Jerry P Jackson
 Certification Number : 11496

Total lbs Volatile Solids to Digester 3,282

Overall Percent Removal of Volatile Solids 61.4%

Monthly Removal Summary

Percent Removal	CBOD	TSS	AMMONIA
Primary Treatment	47%	59%	12%
Secondary Treatment	86%	73%	59%
Tertiary Treatment	72%	53%	94%
Overall Treatment	98%	95%	98%

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 27,383

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 476

Detention Time (Hours)	Maximum	Minimum	Average
Primary Settling Tank	6.0	1.8	4.0
Secondary Settling Tank	4.4	1.3	3.0
Final Settling Tank	13.8	4.1	9.3
Total Plant Retention Time	24.3	7.3	16.3

Fixed Bed Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 87

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 1,081

Rotary Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 23

Surface Flow Rate			
Gallons per sq ft per Day	Maximum	Minimum	Average
Primary Settling Tank	848	254	378
Secondary Settling Tank	1119	335	499
Final Settling Tank	570	171	254

Fixed Bed Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 4

Biotower Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 2

Weir OverFlow Rate			
1000 Gal per ft per Day	Maximum	Minimum	Average
Primary Settling Tank	16	5	7
Secondary Settling Tank	13	4	6
Final Settling Tank	13	4	6

TREATMENT EQUIPMENT	Total available	Number in service
PRIMARY CLARIFIER TANKS	4	4
SECONDARY CLARIFIER TANKS	2	2
FINAL CLARIFIER TANKS	2	2
ROTARY FILTER	1	1
FIXED BED FILTER	1	1
BIOTOWERS	2	2

Monthly Comments Concerning Plant Operation:

October 9th - Treated south biotower with secondary effluent adjusted to pH 10 for 3 hrs for snail control. The final effluent was diverted to the CSO Lagoon for duration of treatment. The stored water was pumped back to the headworks after the treatment.

October 23th - Raw flow diverted to CSO Lagoon from 9:00a to 10:40a to test biotower snail treatment scheme. North biotower continued to operate on recirculated flow at 8.1 MGD. The stored water in CSO Lagoon was returned to the headworks for treatment.

November 1st - Disinfection system(chlorine and sulfur dioxide feeds) turned off at 7:20 am after testing for total residual chlorine in wwtp effluent was completed.

October 25th - CSO Lagoon Return Pumpstation Flowmeter back in service

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines or imprisonment for knowing violations.

Certified Operator Signature: _____ Certification # : 11496

Executive Officer OR Authorized Agent Signature: _____

