

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Apr-04
 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	Thu	3.3					0.00	7.73	140	162	19.69	7.60	75	60	18.22	7.30	12	22	7.44	4.7		3.8		1.56	8.2	1.46	
2	Fri	2.1					0.00	7.92	165	172	29.11	7.57	85	66	26.43	7.42	15	19	11.39	4.8		3.8		3.06	8.0	2.80	
3	Sat	1.9	2.9				0.00	7.84	170	116	29.86	7.50	111	78	30.36	7.48	10	17	11.76	4.8		3.8		3.47	8.0	3.19	
4	Sun	1.9					0.00	7.90	168	94	31.20	7.57	123	98	28.32	7.71	11	17	10.84	4.6		3.6		3.40	7.7	3.12	
5	Mon	3.2					0.00	7.84	100	97	21.31	7.52	91	60	21.37	7.42	17	22	10.42	4.7		3.7		1.69	8.0	1.54	
6	Tue	2.8					0.00	7.56	145	116	24.46	7.43	93	72	21.34	7.37	12	25	8.49	4.8	60	3.8		2.13	8.2	1.98	60
7	Wed	2.0					0.00	7.59	215	489	31.14	7.40	110	74	27.63	7.23	10	21	11.26	4.8		3.7		3.30	8.2	3.10	
8	Thu	2.2					0.00	7.88	165	214	31.68	7.40	92	74	27.33	7.26	9	20	9.61	4.8		3.7		2.83	8.2	2.66	
9	Fri	1.9					0.00	7.81	230	152	35.69	7.47	103	74	30.06	7.28	16	17	9.02	4.9		3.7		3.42	8.0	3.13	
10	Sat	1.9	2.3				0.00	7.78	200	116	33.72	7.37	133	74	30.16	7.28	16	20	9.70	4.9		3.8		3.47	8.0	3.16	
11	Sun	2.0					0.00	7.84	185	140	34.14	7.42	120	76	28.56	7.37	11	17	9.02	4.9		3.8		3.43	8.0	3.11	
12	Mon	2.1					0.00	7.90	230	176	36.74	7.53	129	68	29.81	7.54	14	14	10.08	4.8		3.7	240	3.10	8.0	2.84	
13	Tue	3.4					0.00	7.95	115	100	22.73	7.61	114	70	21.07	7.62	16	28	8.59	4.8		3.9		1.56	8.2	1.44	
14	Wed	2.9					0.00	7.87	135	116	25.27	7.63	87	66	20.46	7.39	15	26	8.17	4.8		3.8		1.96	8.2	1.82	
15	Thu	2.2					0.00	7.89	200	228	32.28	7.44	97	72	27.58	7.21	12	23	10.81	4.8		3.8		2.86	8.2	2.70	60
16	Fri	2.0					0.00	7.96	200	164	33.87	7.50	128	74	28.77	7.38	14	21	9.88	4.8		3.8		3.34	8.0	3.04	
17	Sat	4.9	2.8	0.51		2.2	0.00	7.54	132	228	12.01	7.22	110	100	17.75	7.19	20	35	7.09	5.2		3.8		0.83	8.6	0.75	
18	Sun	2.7					0.00	7.83	145	180	21.87	7.36	89	74	18.91	7.32	13	24	5.58	4.8		3.9		2.16	8.0	1.91	
19	Mon	2.1					0.00	7.89	215	120	31.51	7.53	128	60	26.61	7.47	11	15	7.02	4.8		3.8		3.13	8.0	2.87	
20	Tue	3.4		0.13			0.00	7.95	170	152	23.73	7.59	108	94	23.56	7.41	21	33	10.90	4.8		3.8		1.56	8.3	1.46	
21	Wed	2.2					0.00	7.98	175	135	32.27	7.50	95	76	31.63	7.40	12	22	10.88	4.8		3.8		2.89	8.2	2.73	
22	Thu	2.2					0.00	8.00	210	148	31.86	7.51	108	76	29.24	7.42	11	23	9.90	4.8		3.9		2.91	8.3	2.73	
23	Fri	2.3					0.00	7.90	210	176	30.14	7.54	125	65	27.25	7.31	13	17	9.64	4.8		3.9		2.73	7.9	2.41	
24	Sat	2.3	2.5				0.00	7.88	313	112	31.77	7.45	150	72	26.37	7.24	25	22	8.90	4.8		3.8		2.72	7.8	2.35	
25	Sun	4.2		0.41		2.0	0.00	7.55	238	128	14.00	7.25	153	110	16.94	7.17	35	44	9.16	5.0		3.9		1.15	8.3	1.00	
26	Mon	2.3		0.02			0.00	7.90	290	111	30.91	7.54	171	56	25.03	7.37	18	19	8.34	4.7		3.9		2.69	7.4	2.18	
27	Tue	2.1					0.00	7.97	310	122	34.11	7.57	143	74	27.78	7.58	19	19	8.90	4.7		3.9		3.17	7.1	2.47	
28	Wed	2.0					0.00	7.94	305	147	33.84	7.55	144	78	30.40	7.48	23	27	12.22	4.7		3.9	240	3.21	7.8	2.84	
29	Thu	3.0					0.00	7.81	285	162	25.42	7.57	158	110	24.38	7.49	26	28	8.75	4.7		3.8		1.80	8.3	1.73	
30	Fri	2.8		0.41		1.9	0.00	7.78	325	138	35.65	7.49	150	75	32.02	7.21	21	28	9.56	5.0		3.8		2.11	8.4	1.97	
AVERAGE		2.5		0.05		0.2	0.00	7.84	203	157	28.73	7.49	117	76	25.85	7.38	16	23	9.44	4.8	2	3.8	16	2.59	8.1	2.35	4
MAXIMUM		4.9	2.9	0.51		2.2	0.00	8.00	325	489	36.74	7.63	171	110	32.02	7.71	35	44	12.22	5.2	60	3.9	240	3.47	8.6	3.19	60
MINIMUM		1.9		0.02		0.0	0.00	7.54	100	94	12.01	7.22	75	56	16.94	7.17	9	14	5.58	4.6	60	3.6	240	0.83	7.1	0.75	60
# OF DATA		30		5		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	1	30	2		30		2
TOTAL		76		1.48		6	0	235	6085	4711	862	225	3520	2276	775	221	475	683	283	144	60	114	480		242		120

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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	Thu	3.1	7.32	3		86		5		145		0.46		13		10.0		1.85	12	< 0.006
2	Fri	2.0	7.55	2		37		3		53		0.51		9		9.7		1.79	0	< 0.006
3	Sat	1.7	7.75	2	3	37	86	4	6	64	154	0.42	0.58	7	15	9.9		1.87	20	< 0.006
4	Sun	1.6	7.79	< 2		16		4		54		1.08		17		10.5		2.53	0	< 0.006
5	Mon	2.7	7.63	3		87		5		132		0.58		15		9.8		1.92	10	< 0.006
6	Tue	2.4	7.58	3		60		7		155		0.33		8		9.9		1.95	18	< 0.006
7	Wed	1.7	7.56	2		33		4		58		0.38		6		9.7		2.25	3	< 0.006
8	Thu	1.9	7.62	< 2		19		4		75		0.39		7		9.1		2.04	4	< 0.006
9	Fri	1.6	7.69	3		40		2		32		0.42		7		9.5		1.46	44	< 0.006
10	Sat	1.7	7.67	2	2	39	42	5	4	72	83	0.37	0.51	6	9	9.6		1.76	0	< 0.006
11	Sun	1.7	7.69	2		33		3		53		0.43		7		9.7		3.00	0	< 0.006
12	Mon	1.8	7.67	2		40		2		35		0.45		8		10.1		1.99	3	< 0.006
13	Tue	3.0	7.69	3		82		7		197		0.41		12		10.1		1.84	9	< 0.006
14	Wed	2.6	7.62	4		88		8		183		0.25		6		10.2		2.40	12	< 0.006
15	Thu	1.9	7.64	3		52		7		125		0.94		17		9.3		2.47	3	< 0.006
16	Fri	1.8	7.61	2		40		4		66		0.31		5		9.0		1.69	5	< 0.006
17	Sat	4.5	7.37	6	3	233	81	16	7	634	185	0.76	0.51	31	12	9.1		3.04	49	< 0.006
18	Sun	2.5	7.59	3		69		8		183		0.24		5		8.7		1.88	2	< 0.006
19	Mon	1.8	7.52	< 2		17		2		26		0.31		5		8.4		1.50	3	< 0.006
20	Tue	3.0	7.61	3		73		9		239		0.26		7		8.7		2.20	1	< 0.006
21	Wed	1.9	7.58	3		54		5		92		0.46		9		9.0		2.16	9	< 0.006
22	Thu	1.9	7.52	< 2		19		6		116		0.54		10		8.9		2.20	1	< 0.006
23	Fri	2.0	7.57	< 2		19		4		68		0.47		9		9.4		1.74	0	< 0.006
24	Sat	2.0	7.60	2	2	46	42	6	6	116	120	0.40	0.38	8	8	9.3		1.91	0	< 0.006
25	Sun	3.9	7.45	5		167		19		643		0.61		21		9.2		1.89	2	< 0.006
26	Mon	2.0	7.56	< 2		19		7		136		0.62		12		9.3		1.86	5	< 0.006
27	Tue	1.7	7.71	5		77		5		86		0.67		11		9.2		1.37	24	< 0.006
28	Wed	1.9	7.59	3		43		11		179		0.39		7		9.3		1.87	3	< 0.006
29	Thu	2.7	7.78	3		66		13		330		0.38		10		8.8		1.99	11	< 0.006
30	Fri	2.4	7.58	3		64		8		177		0.38		9		8.3		1.58	4	< 0.006
AVERAGE		2.2	7.60	3		58		6		151		0.47		10		9.4		2.00	4	< 0.006
MAXIMUM		4.5	7.79	6	3	233	86	19	7	643	185	1.08	0.58	31	15	10.5		3.04	49	< 0.006
MINIMUM		1.6	7.32	<2		16		2		26		0.24		5		8.3		1.37	0	< 0.006
# OF DATA		30	30	30		30		30		30		30		30		30		30	30	30
TOTAL		67	228	76		1753		188		4525		14		304		281.7		60.00	257	< 0.006

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Permit # IN0025577

Certified Operator : Jerry P. Jackson

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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	Thu	115	85			20	0	318	6	4	182		
2	Fri	77	32			20	0	318	6	4	187		
3	Sat	75	28			20	0	316	6	4	170		
4	Sun	69	35			19	0	303	11	6	240		
5	Mon	134	60	47	20	20	0	318	6	4	170		
6	Tue	70	50			20	0	318	6	4	172		
7	Wed	70	30			20	0	315	6	4	169		
8	Thu	86	46			20	0	313	6	4	170		
9	Fri	66	35			20	0	314	6	4	171		
10	Sat	72	44			20	0	313	6	4	172		
11	Sun	83	47			20	0	315	6	4	174		
12	Mon	83	38			20	0	315	6	4	172		
13	Tue	130	85			20	0	316	6	4	174		
14	Wed	100	25			20	0	314	6	4	177		
15	Thu	83	32			20	0	312	6	4	175		
16	Fri	79	41	47		20	0	312	6	4	173		
17	Sat	216	107	41		25	0	317	6	4	150		
18	Sun	105	54			20	0	320	6	4	177		
19	Mon	105	36			20	0	325	6	4	175		
20	Tue	150	70			20	0	331	6	4	183		
21	Wed	100	20			20	0	330	6	4	175		
22	Thu	110	52			20	0	325	6	4	176		
23	Fri	117	39	41	27	20	0	323	6	4	173		
24	Sat	151	34			20	0	322	6	4	175		
25	Sun	205	82			29	0	323	8	7	253		
26	Mon	95	33			20	0	321	4	5	206		
27	Tue	80	60			20	0	321	6	5	183		
28	Wed	130	40			20	14	318	6	11	314		
29	Thu	150	60	41		20	0	320	6	5	199		
30	Fri	124	55			21	0	320	6	4	180		
AVERAGE		108	49	7	2	20	0	318	6	5	186		
MAXIMUM		216	107	47	27	29	14	331	11	11	314		
MINIMUM		66	20	41	20	19	0	303	4	4	150		
# OF DATA		30	30	5	2	30	30	30	30	30	30		
TOTAL		3230	1455	217	47	604	14	9545	185	145	5567		

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	Thu								96				96	16				46			0.1	0
2	Fri								96				96	14				42	0.21		0.1	0
3	Sat								96				96	16				44			0.2	
4	Sun								96				96	15				40	0.11		0.2	
5	Mon		3.02	69.0	6.71	1.85	52.3	6.82	96	4.31	56.2	7.12	96	12	4.56	58.2	7.15	37			0.2	0
6	Tue								96				96	13				35			0.1	0
7	Wed								96				96	29				24			0.1	28
8	Thu								96				96	23				14			0.2	25
9	Fri								96				96	22				14			0.1	23
10	Sat								96				96	8				14			0.1	0
11	Sun								96				96	10				14			0.1	1
12	Mon		3.60	77.5	6.32	1.86	54.3	6.84	96	2.20	57.3	7.24	96	19	4.24	53.8	7.15	14			0.1	20
13	Tue								96				96	8				14			0.1	0
14	Wed								96				96	9				14			0.1	
15	Thu								96				96	9				13			0.1	0
16	Fri								96				96	20				13			0.1	13
17	Sat								96				96	7				12			0.1	0
18	Sun								96				96	9				12			0.1	
19	Mon		3.30	70.7	6.36	2.70	58.6	6.81	96	3.47	58.4	7.06	96	15	3.55	53.6	7.17	17			0.1	0
20	Tue								96				96	11				33			0.1	0
21	Wed								96				96	14				65			0.1	
22	Thu								96				96	22				10			0.1	30
23	Fri								96				96	8				4			0.1	
24	Sat								96				96	8				2			0.0	
25	Sun								96				96	20				55			0.1	
26	Mon		3.07	71.7	5.83	3.00	52.9	6.97	96	3.08	56.1	7.19	96	27	4.41	60.1	7.11	4			0.1	28
27	Tue								96				96	4				1			0.0	0
28	Wed								96				95	27				51			0.3	0
29	Thu								96				95	21				47			0.3	0
30	Fri								96				95	11				27			0.2	0
AVERAGE			3.25	72.2	6.31	2.35	54.5	6.86	96	3.27	57.0	7.15	96	15	4.19	56.4	7.15	24	0.16		0.1	6
MAXIMUM			3.60	77.5	6.71	3.00	58.6	6.97	96	4.31	58.4	7.24	96	29	4.56	60.1	7.17	65	0.21		0.3	30
MINIMUM			3.02	69.0	5.83	1.85	52.3	6.81	96	2.20	56.1	7.06	95	4	3.55	53.6	7.11	1	0.11		0.0	
# OF DATA			4	4	4	4	4	4	30	4	4	4	30	30	4	4	4	30	2		30	30
TOTAL			13	289	25	9	218	27	2879	13	228	29	2878	447	17	226	29	731	0		4	169

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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	Daily Maximum								0.005	0.940	0.055	0.020	0.160	0.500	0.016	
	Limits								0.002	0.400	0.024	0.010	0.070	0.200	0.016	
1st Date :	April 7th, 2004	0.0007	<0.005	0.520	0.120	0.030	0.770	<0.005	<0.0002	<0.005	0.017	0.008	0.012	0.038	<0.005	
2nd Date :	April 14th, 2004			0.170							0.018				<0.005	
3rd Date :	April 21st, 2004	0.0013	0.021	0.160	0.007	0.031	0.075	*See Note	<0.0002	<0.005	0.019	0.002	0.010	0.028	*See Note	
4th Date :	April 28th, 2004			0.160							<0.001				<0.005	
5th Date :																
Number of times Limit Value exceeded:		NA	NA	NA	NA	NA	NA	NA	0	0	0	0	0	0	0	
Average		0.0010	0.012	0.253	0.064	0.031	0.423	<0.003	<0.0001	<0.003	0.014	0.005	0.011	0.033	<0.003	
Maximum		0.0013	0.021	0.520	0.120	0.031	0.770	<0.005	<0.0002	<0.005	0.019	0.008	0.012	0.038	<0.005	

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

* Inconclusive laboratory data regarding Influent and Effluent cyanide results - see attached comment pages.

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	Residual	Coliform	Coliform
	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	(Colonies	(Colonies
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	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	40	25	2335	1460	45	30	2627	1751	2.70	1.80	158	105	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	2.9	2.5	3	3	86	58	7	6	185	151	0.58	0.47	15	10	8.3	7.79	< 0.006	49	4
Total				0		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: Apr-04
 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 3,937

Overall Percent Removal of Volatile Solids 50.2%

Monthly Removal Summary

Percent Removal	CBOD	TSS	AMMONIA
Primary Treatment	42%	52%	10%
Secondary Treatment	87%	70%	63%
Tertiary Treatment	84%	73%	95%
Overall Treatment	99%	96%	98%

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 25,349

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 455

Detention Time (Hours)	Maximum	Minimum	Average
Primary Settling Tank	6.6	2.5	4.8
Secondary Settling Tank	4.8	1.8	3.5
Final Settling Tank	15.1	5.7	11.0
Total Plant Retention Time	26.5	10.0	19.3

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

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 1,047

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

Surface Flow Rate	Maximum	Minimum	Average
Gallons per sq ft per Day			
Primary Settling Tank	613	232	318
Secondary Settling Tank	810	307	420
Final Settling Tank	413	156	214

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	Maximum	Minimum	Average
1000 Gal per ft per Day			
Primary Settling Tank	12	5	6
Secondary Settling Tank	10	4	5
Final Settling Tank	9	4	5

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:

4/20/2004- Load test of backup power system successful

4/27/2004- Closed the existing 4" notch in the CSO Lagoon weir at Outfall 002. The notch was in place to measure low CSO flows resulting from the spring in the CSO Lagoon. Since the construction of the CSO Lagoon Station the spring flows do not result in an overflow. Closing the notch resulted in an addition 0.33 feet of CSO storage in the 17 acre lagoon. Total CSO storage increased from 11.1 MG to 12.9 MG, an increase of 1.8 MG.

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: _____

