

**MONTHLY REPORT OF OPERATION**

Trickling Filter Wastewater Treatment Plant

Date: Aug-12  
 LaPorte Wastewater Treatment Plant  
 2101 Boyd Boulevard  
 LaPorte IN, 46350  
 Phone # (219)362-2354

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Permit # IN0025577  
 Expires 12-31-2014  
 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	1.6				10.4	0.00	7.89	65	70	12.05	7.71	48	72	10.91	7.30	17	20	4.25	2.7		1.3		1.47	5.6	2.42	
2	Thu	3.5					0.00	8.41	87	128	18.81	7.92	50	60	19.70	7.34	17	18	9.16	4.9		2.1		1.01	7.2	1.09	
3	Fri	4.0					0.00	7.96	87	128	15.31	7.70	55	66	17.23	7.32	15	24	8.53	4.9		1.9	75	0.71	7.3	0.83	
4	Sat	4.5	3.3	1.07		4.6	0.00	7.75	58	112	11.44	7.58	58	88	17.60	7.34	12	24	8.82	5.6		2.3		0.76	8.1	0.78	
5	Sun	8.6		0.09		2.3	0.00	7.93	40	80	5.43	7.66	36	70	6.63	7.31	12	32	3.06	7.8		3.9		0.35	10.3	0.19	
6	Mon	4.5					0.00	7.91	60	131	12.61	7.57	48	78	12.79	7.31	15	29	7.44	5.0		2.4		0.63	7.1	0.57	
7	Tue	3.1					0.00	7.70	130	108	18.20	7.52	78	56	16.92	7.34	13	17	7.13	4.8		2.4		1.33	6.9	1.26	
8	Wed	3.6		0.03			0.00	7.53	103	106	14.73	7.52	79	66	14.44	7.35	14	15	6.20	4.8		3.2		1.20	7.0	0.93	
9	Thu	3.1		0.08			0.00	7.68	180	218	21.03	7.54	86	60	20.20	7.44	14	17	8.48	4.9		3.8		1.84	6.6	1.17	
10	Fri	3.2		0.12			0.00	7.74	125	172	20.60	7.66	86	74	20.69	7.43	10	20	7.80	5.0		3.4		1.67	6.7	1.13	
11	Sat	2.8	4.1	0.01			0.00	7.64	145	208	20.81	7.53	90	60	19.51	7.40	11	16	6.86	4.9		3.9		2.15	6.7	1.41	
12	Sun	2.9					0.00	7.70	108	92	18.55	7.52	88	52	18.40	7.31	12	14	7.14	4.9		3.9		2.01	6.9	1.39	
13	Mon	4.5		0.82		4.6	0.00	7.69	125	62	15.88	7.51	91	48	16.51	7.22	26	12	7.76	5.5		3.9		1.08	7.6	0.70	
14	Tue	6.9				1.3	0.00	8.29	65	104	7.75	7.82	40	60	8.04	7.23	14	26	3.88	6.4		3.9		0.49	8.7	0.26	
15	Wed	4.0					0.00	7.82	93	131	16.58	7.62	45	70	14.01	7.28	13	21	6.76	4.8		3.9		1.16	7.0	0.73	
16	Thu	3.4		0.25		1.2	0.00	7.73	125	118	25.20	7.51	69	52	17.66	7.25	16	16	7.94	5.1		3.8		1.65	7.4	1.18	
17	Fri	3.2					0.00	7.72	135	102	23.16	7.58	93	47	19.66	7.34	16	8	6.83	4.9		3.8		1.70	7.1	1.19	
18	Sat	2.4	3.9				0.00	7.73	155	88	27.63	7.60	98	40	25.01	7.33	14	9	8.77	4.9		3.8		2.61	7.2	1.98	
19	Sun	2.9		0.01			0.00	7.73	140	92	19.00	7.58	78	68	18.36	7.28	11	21	7.21	4.9		3.8		1.96	6.9	1.37	
20	Mon	4.6		0.40		4.0	0.00	7.76	160	209	14.52	7.47	79	56	12.75	7.18	17	15	6.79	5.4		3.6		0.98	8.6	0.87	
21	Tue	2.5					0.00	7.65	180	108	22.00	7.57	88	68	15.93	7.18	14	18	4.79	4.8		3.7		2.38	5.0	0.97	
22	Wed	2.9					0.00	7.70	170	113	19.79	7.52	57	58	19.14	7.28	14	14	7.37	4.8		3.7		1.94	5.6	0.93	
23	Thu	2.5					0.00	7.69	175	128	23.69	7.52	93	56	20.76	7.26	10	12	7.08	4.8		3.7		2.35	4.9	0.93	
24	Fri	3.1					0.00	7.69	160	150	21.30	7.56	95	54	21.37	7.22	13	12	9.73	4.8		3.2		1.62	5.7	0.86	
25	Sat	2.5	3.0				0.00	7.67	155	150	23.43	7.56	84	52	23.63	7.35	15	14	11.33	4.9		2.2		1.79	4.9	0.95	
26	Sun	3.9		0.48		1.5	0.00	7.69	115	106	16.78	7.56	80	64	17.13	7.33	21	27	8.95	5.3		2.5		1.01	6.7	0.72	
27	Mon	9.2		0.79		11.8	0.00	8.01	26	55	4.91	7.62	37	44	6.60	7.06	10	19	3.37	7.5		3.6		0.20	13.3	0.44	
28	Tue	5.5					0.00	7.88	62	60	8.47	7.53	62	48	8.53	7.18	11	24	3.56	5.5		3.8		0.70	9.0	0.64	
29	Wed	3.2					0.00	7.81	107	99	26.20	7.62	59	46	24.17	7.25	10	16	9.35	4.8		2.8		1.36	5.2	0.61	
30	Thu	3.0					0.00	7.74	118	104	23.79	7.58	66	60	25.09	7.29	12	15	10.82	4.8		3.3		1.64	5.1	0.67	
31	Fri	2.5	4.2				0.00	7.72	150	116	27.78	7.55	105	58	27.61	7.26	7	13	10.69	4.8		2.2	90	1.86	4.8	0.95	
AVERAGE		3.8		0.13		1.3	0.00	7.79	116	118	17.98	7.59	72	60	17.32	7.29	14	18	7.35	5.1		3.2	5	1.41	7.0	0.97	
MAXIMUM		9.2	4.2	1.07		11.8	0.00	8.41	180	218	27.78	7.92	105	88	27.61	7.44	26	32	11.33	7.8		3.9	90	2.61	13.3	2.42	
MINIMUM		1.6		0.01		0.0	0.00	7.53	26	55	4.91	7.47	36	40	6.60	7.06	7	8	3.06	2.7		1.3	75	0.20	4.8	0.19	
# OF DATA		31		12		31	31	31	31	31	31	31	31	31	31	31	31	31	31	31		31	2		31		
TOTAL		118		4.15		42	0	242	3603	3648	557	235	2220	1851	537	226	423	558	228	159		100	165		217		

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## Final Effluent

Day of the Month	Day of the Week	Effluent Flow in MGal/Day	Maximum Daily pH	Minimum Daily 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	1.8	7.70	7.49	8		113		13		178		1.99		27		6.7		2.09	50	< 0.01
2	Thu	3.2	7.88	7.61	10		280		13		376		3.66		106		6.5		0.98	60	< 0.01
3	Fri	3.7	7.91	7.80	9		298		14		464		3.05		101		7.1		1.49	50	< 0.01
4	Sat	4.1	7.87	7.72	9	8	341	227	22	14	832	415	2.90	2.43	110	69	6.9		1.71	108	< 0.01
5	Sun	7.8	7.58	7.44	11		815		24		1730		1.13		81		6.9		0.68	1	< 0.01
6	Mon	4.3	7.65	7.54	12		442		23		870		1.99		75		6.9		0.83	102	< 0.01
7	Tue	2.9	7.75	7.64	9		225		14		346		1.87		48		6.9		0.98	192	< 0.01
8	Wed	3.3	7.78	7.63	6		181		7		211		1.03		31		7.4		0.43	56	< 0.01
9	Thu	2.8	7.98	7.73	7		188		9		229		1.00		25		7.2		0.68	118	< 0.01
10	Fri	2.9	7.74	7.60	6		166		14		368		1.00		26		7.1		1.04	1	< 0.01
11	Sat	2.7	7.76	7.61	5	8	124	306	9	14	210	566	0.85	1.27	20	44	7.4		1.04	71	< 0.01
12	Sun	2.7	7.63	7.53	5		126		5		121		0.66		16		7.1		0.98	59	< 0.01
13	Mon	4.0	7.62	7.45	19		721		12		448		1.96		73		7.4		1.86	122	< 0.01
14	Tue	6.3	7.37	7.07	8		471		14		775		0.92		53		7.9		1.01	245	< 0.01
15	Wed	3.8	7.46	7.26	6		205		12		403		0.51		17		7.6		1.26	93	< 0.01
16	Thu	3.1	7.42	7.21	6		174		6		155		0.74		21		7.3		1.81	147	< 0.01
17	Fri	3.0	7.58	7.35	10		269		4		108		0.40		11		7.7		1.21	55	< 0.01
18	Sat	2.3	7.77	7.47	3	8	68	291	7	8	140	307	0.10	0.76	2	28	8.1		2.40	21	< 0.01
19	Sun	2.8	7.75	7.54	4		93		9		220		0.10		2		8.2		1.18	42	< 0.01
20	Mon	4.1	7.66	7.41	6		214		3		115		0.25		10		8.1		3.48	73	< 0.01
21	Tue	2.4	7.62	7.39	7		144		11		222		0.14		3		8.2		1.43	11	< 0.01
22	Wed	2.7	7.70	7.53	5		114		12		290		0.10		2		8.2		1.58	24	< 0.01
23	Thu	2.4	7.71	7.35	4		89		4		85		0.10		2		8.1		1.43	25	< 0.01
24	Fri	2.8	7.81	7.47	4		112		1		25		0.16		4		8.2		1.51	16	< 0.01
25	Sat	2.4	7.79	7.51	5	5	95	123	1	6	21	140	0.20	0.15	4	4	7.8		1.08	20	< 0.01
26	Sun	3.5	7.80	7.56	6		199		9		294		0.95		31		7.3		1.10	61	< 0.01
27	Mon	8.0	7.66	7.03	5		401		11		848		0.27		21		7.7		1.21	36	< 0.01
28	Tue	5.0	7.61	7.43	5		205		13		592		0.14		6		7.8		1.10	7	< 0.01
29	Wed	3.0	7.67	7.47	4		104		5		134		0.10		3		7.8		1.10	1	< 0.01
30	Thu	2.8	7.84	7.55	5		117		6		140		0.17		4		7.7		1.19	1	< 0.01
31	Fri	2.3	7.71	7.56	5	5	94	170	6	7	123	311	0.11	0.26	2	10	8.0		1.14	1	< 0.01
AVERAGE		3.5			7		232		10		357		0.92		30		7.5		1.32	27	< 0.01
MAXIMUM		8.0	7.98		19	8	815	306	24	14	1730	566	3.66	2.43	110	69	8.2		3.48	245	< 0.01
MINIMUM		1.8		7.03	3		68		1		21		0.10		2		6.5		0.43	1	< 0.01
# OF DATA		31	31	31	31		31		31		31		31		31		31		31	31	31
TOTAL		109	239	232	214		7190		311		11073		29		939		233.2		41.01	1869	< 0.01

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Permit # IN0025577

Expires 12-31-2014

Certified Operator : Jerry P Jackson

Certification Number : 11496

### 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 Hours per day	Sludge to Headworks (gal x 1000)		
1	Wed	180	60			38	0	166	6	1	51		
2	Thu	296	80			34	0	298	6	2	86		
3	Fri	380	70			28	0	287	6	2	87		
4	Sat	400	90			32	0	280	6	2	88		
5	Sun	720	160			29	0	291	6	2	86		
6	Mon	430	80		27	37	0	293	6	2	87		
7	Tue	380	80		20	42	0	283	6	2	88		
8	Wed	400	80			40	0	271	6	2	88		
9	Thu	390	60			27	0	274	6	2	94		
10	Fri	290	70			30	0	280	6	2	88		
11	Sat	190	60			29	0	277	6	2	87		
12	Sun	210	70			30	0	272	6	2	86		
13	Mon	200	80			35	0	272	6	2	88		
14	Tue	440	140			37	0	282	6	2	87		
15	Wed	380	80			34	0	280	6	2	92		
16	Thu	280	70		20	34	0	277	6	2	100		
17	Fri	190	70			32	0	273	6	2	87		
18	Sat	120	60			34	0	270	6	2	87		
19	Sun	130	60			31	0	270	6	2	87		
20	Mon	104	120			33	0	274	6	2	86		
21	Tue	156	40		27	37	0	276	6	2	86		
22	Wed	160	80			35	0	274	6	2	87		
23	Thu	120	40			34	0	271	6	2	86		
24	Fri	100	60			30	0	271	6	2	85		
25	Sat	80	50			34	0	268	6	2	86		
26	Sun	120	70			34	0	266	6	2	86		
27	Mon	220	120			43	0	257	6	2	84		
28	Tue	180	60			27	0	285	6	2	85		
29	Wed	100	60			20	0	280	6	2	85		
30	Thu	120	50			20	0	274	6	2	85		
31	Fri	80	50		27	20	0	268	6	2	85		
AVERAGE		243	75		3	32		273	6	2	86		
MAXIMUM		720	160		27	43		298	6	2	100		
MINIMUM		80	40		20	20	0	166	6	1	51		
# OF DATA		31	31		3	31	31	31	31	31	31		
TOTAL		7546	2320		81	1000		8460	187	69	2670		

Secondary Digester		Date:
Sample Taken by Grab Method		
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		
<b>% Total Solids</b>		

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 #1 Volume (gal x 1000)	Storage Tank #2 Volume (gal x 1000)	Storage Tank Supernatant (gal x 1000)	Secondary to Storage Tank (gal x 1000)
1	Wed								96				96	11				17			346		
2	Thu								96				96	19				67	0.16		345		
3	Fri								96				96	24				63			345		
4	Sat								96				96	19				61			347	0.0	
5	Sun								96				96	17				46	0.15		347		
6	Mon		3.06	69.8	5.95	1.80	53.9	7.00	96	1.73	58.8	7.07	96	20	3.75	57.9	6.96	56			336	9.8	
7	Tue								96				96	35				13			378		42
8	Wed								96				96	10				0			377		
9	Thu								96				96	28				76			377		
10	Fri								96				96	11				31			376	0.2	
11	Sat								96				96	18				52			375		
12	Sun								96				96	12				33			375		
13	Mon		2.84	75.8	5.86	2.20	61.3	6.84	96	1.86	64.8	7.03	96	19	2.54	57.0	6.95	53			368	10.2	
14	Tue								96				96	17				56			367		
15	Wed								96				96	15				53			355	11.2	
16	Thu								96				96	15				48			356		
17	Fri								96				96	17				53			348	6.5	
18	Sat								96				96	16				52			347		
19	Sun								96				96	16				51			347		
20	Mon		2.60	74.4	5.95	1.73	60.3	6.88	96	2.02	60.9	7.02	96	27	4.56	57.4	6.89	12			375		27
21	Tue								96				96	11				17			374		
22	Wed								96				96	17				53			373		
23	Thu								96				96	14				42			372		
24	Fri								96				96	12				37			371		
25	Sat								96				96	17				41			371		
26	Sun								96				96	17				44			371		
27	Mon		3.31	76.2	6.43	1.41	62.4	6.77	96	2.16	59.5	7.04	96	23	5.10	58.0	7.00	58			359	13.9	
28	Tue								96				96	25				60			357	1.2	
29	Wed								96				96	13				41			353	3.5	
30	Thu								96				96	13				35			353		
31	Fri								96				96	26				60			352		
AVERAGE			2.95	74.1	6.05	1.79	59.5	6.87	96	1.94	61.0	7.04	96	18	3.99	57.6	6.95	45	0.16		361	1.8	2
MAXIMUM			3.31	76.2	6.43	2.20	62.4	7.00	96	2.16	64.8	7.07	96	35	5.10	58.0	7.00	76	0.16		378	13.9	42
MINIMUM			2.60	69.8	5.86	1.41	53.9	6.77	96	1.73	58.8	7.02	96	10	2.54	57.0	6.89	0	0.15		336		
# OF DATA			4	4	4	4	4	4	31	4	4	4	31	31	4	4	4	31	2	31	31	31	31
TOTAL			12	296	24	7	238	27	2977	8	244	28	2976	553	16	230	28	1383	0		11195	57	69

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

Permit # IN0025577

Expires 12-31-2014

Certified Operator : Jerry P Jackson

Certification Number : 11496

## NPDES LIMITS AND ANALYSIS

**Metals and Cyanide Analysis : All results are given in mg/l**

INFLUENT								EFFLUENT							
Method: 24 hour composite								Site: Post Rake Room							
Site: Post Disinfection															
Sample Characteristics		Cr	Cu	Pb	Ni	Zn	CN, Free	Cr	Cu	Pb	Ni	Zn	CN, Free		
Sample Number															
Sample Type	Permit Condition	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	GRAB	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	GRAB		
	Monitored	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	GRAB	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	GRAB		
Frequency	Permit Condition	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual		
	Monitored	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual		
Parameter Limits	Daily Maximum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Monthly Average	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
1st Date :	August 8th	<0.005	0.049	<0.005	0.007	0.056	<0.005	<0.005	0.022	<0.005	<0.005	0.018	<0.005		
2nd Date :	August 22nd	0.008	0.061	<0.005	0.009	0.051	<0.005	<0.005	0.023	<0.005	0.005	0.022	<0.005		
3rd Date :															
4th Date :															
5th Date :															
Number of times Limit Value exceeded:		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Average		0.005	0.055	<0.003	0.008	0.054	<0.003	<0.003	0.023	<0.003	0.004	0.020	<0.003		
Maximum		0.008	0.061	<0.005	0.009	0.056	<0.005	<0.005	0.023	<0.005	0.005	0.022	<0.005		

**Other Permit Analysis**

	Weekly Av FLOW in MGD	Monthly Average FLOW in MGD	Weekly Av CBOD in mg/L	Monthly Average CBOD in mg/L	Weekly Av CBOD in lbs/Day	Monthly Average CBOD in lbs/Day	Weekly Av TSS in mg/L	Monthly Average TSS in mg/L	Weekly Av TSS in lbs/Day	Monthly Average TSS in lbs/Day	Weekly Av NH3-N in mg/L	Monthly Average NH3-N in mg/L	Weekly Av NH3-N in lbs/Day	Monthly Average NH3-N in lbs/Day	Daily Dissolved Oxygen* in mg/L	pH	Chlorine Residual in mg/L	Daily Max Escherichia Coliform (/100mL)	Mnthly Av Escherichia Coliform (/100mL)
Limit	None	None	30	20	2504	1669	36	24	3004	2003	2.40	1.60	200	134	6.0	6-9	0.06	235	125
Times Violated	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Max	4.2	3.8	8	7	306	232	14	10	566	357	2.43	0.92	69	30	6.5	7.98	< 0.01	245	27
% of Limit	61%	54%	28%	35%	12%	14%	40%	42%	19%	18%	101%	58%	34%	23%	108%				
Total				0		0		0		0		1		0	0	0	0		0

\*Dissolved Oxygen value is minimum daily average. Percent of limit values for Dissolved Oxygen less than 100% are indicative of a violation.

## MONTHLY REPORT OF OPERATION

### Trickling Filter Wastewater Treatment Plant

Date: Aug-12  
 LaPorte Wastewater Treatment Plant  
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Total lbs Volatile Solids to Digester 5,880

Overall Percent Removal of Volatile Solids 52.4%

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 21,739

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 485

Fixed Bed Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 74

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 910

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

Fixed Bed Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 3

Biotower Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 3

#### Monthly Removal Summary

Percent Removal :	CBOD	TSS	AMMONIA
Primary Treatment :	38%	49%	4%
Secondary Treatment :	81%	70%	58%
Adv. Sec. Treatment :	49%	44%	87%
Overall Treatment :	94%	91%	95%

Detention Time (Hours)	Maximum	Minimum	Average
Primary Settling Tank	7.4	1.3	3.2
Secondary Settling Tank	5.5	1.0	2.4
Final Settling Tank	17.1	3.0	7.4
Chlorine Contact Tank	1.18	0.21	0.51
Total Plant Retention Time	30.1	5.3	12.9

Surface Flow Rate	Maximum	Minimum	Average
Gallons per sq ft per Day			
Primary Settling Tank	1155	205	477
Secondary Settling Tank	1525	270	629
Final Settling Tank	777	138	321

Weir OverFlow Rate	Maximum	Minimum	Average
1000 Gal per ft per Day			
Primary Settling Tank	22	4	9
Secondary Settling Tank	18	3	8
Final Settling Tank	18	3	7

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:

See attached letter concerning weekly ammonia violation

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 is, 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: \_\_\_\_\_

