

**MONTHLY REPORT OF OPERATION**

**Trickling Filter Wastewater Treatment Plant**

Date: Sep-11  
 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 MGal/Day	Precip in inches	Collection System Overflow 'X' if occurred	Diversion to CSO Basin At site hours	CSO Basin Overflow 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	3.8					0.00	7.64	105	172	15.14	7.54	84	64	15.84	7.18	21	25	8.30	4.7		1.9		0.72	4.5	0.18	
2	Fri	3.8					0.00	7.59	122	130	16.59	7.49	75	58	16.26	7.17	7	24	8.23	4.7		1.8		0.71	4.6	0.21	
3	Sat	5.0		0.45		5.3	0.00	7.53	93	134	10.66	7.46	68	84	12.54	7.21	16	39	7.82	5.4		2.4		0.54	6.0	0.20	
4	Sun	4.1					0.00	7.54	108	54	13.69	7.42	42	56	12.68	7.17	8	24	5.83	5.0		2.3		0.81	5.0	0.21	
5	Mon	3.2					0.00	7.66	90	84	18.48	7.46	64	60	19.37	7.29	8	22	7.55	4.7		2.4		1.25	3.8	0.20	
6	Tue	3.2					0.00	7.58	200	370	21.67	7.48	75	58	18.05	7.33	9	17	6.24	4.7		2.4		1.26	3.8	0.19	
7	Wed	4.2				0.8	0.00	7.63	97	141	13.46	7.44	80	60	11.66	7.24	12	27	4.37	5.1		2.6		0.83	5.1	0.21	
8	Thu	5.0		0.10		0.5	0.00	7.72	100	108	11.14	7.55	48	46	12.50	7.26	11	28	5.25	4.8		2.1		0.38	6.0	0.20	
9	Fri	4.5		0.27		1.8	0.00	7.55	130	112	10.71	7.45	76	74	13.06	7.19	13	29	6.71	5.2		2.1	180	0.62	5.4	0.20	
10	Sat	3.2	3.9	0.02			0.00	7.63	103	78	13.01	7.35	72	56	11.33	7.10	10	26	4.76	4.8		1.8		1.07	3.8	0.21	
11	Sun	3.1					0.00	7.56	108	82	13.85	7.40	85	54	14.54	7.11	13	17	6.85	4.7		2.2		1.24	3.7	0.21	
12	Mon	4.0				0.6	0.00	7.57	100	109	12.67	7.45	77	76	11.81	7.29	13	38	5.06	5.0		2.6		0.90	4.8	0.21	
13	Tue	3.2					0.00	7.66	125	122	16.51	7.49	98	38	14.77	7.25	10	9	5.29	4.7		2.4		1.23	3.8	0.21	
14	Wed	3.5		0.17			0.00	7.64	295	148	16.83	7.54	80	62	18.35	7.22	16	21	9.04	4.7	60	2.4	240	1.00	4.2	0.19	90
15	Thu	5.5				2.0	0.00	7.81	67	98	13.00	7.58	28	62	12.87	7.25	13	27	6.82	5.1		2.3		0.35	6.6	0.20	
16	Fri	3.0					0.00	7.71	100	186	21.28	7.52	61	69	18.41	7.18	7	26	7.69	4.8		1.8		1.16	3.7	0.21	
17	Sat	2.9	3.6				0.00	7.58	130	104	16.88	7.42	77	54	14.74	7.15	14	18	6.51	4.8		1.8		1.24	3.6	0.22	
18	Sun	4.0		0.05		0.2	0.00	7.67	92	94	13.73	7.45	75	68	15.50	7.11	12	40	7.61	5.0		2.4		0.86	4.7	0.19	
19	Mon	3.4		0.08			0.00	7.59	124	67	18.51	7.47	81	48	14.31	7.28	13	20	5.10	4.7		2.4		1.09	4.1	0.21	
20	Tue	3.1					0.00	7.64	115	150	20.38	7.46	91	52	18.23	7.13	8	18	6.94	4.7		2.4		1.30	3.6	0.19	
21	Wed	3.7					0.00	7.61	115	89	15.79	7.48	79	44	12.91	7.15	15	14	4.40	4.7		2.4		0.92	4.4	0.20	
22	Thu	3.1					0.00	7.58	125	116	16.61	7.46	79	52	14.04	7.19	10	32	4.97	4.7		2.0		1.15	3.7	0.19	
23	Fri	4.4					0.00	7.68	75	78	10.01	7.48	60	51	9.68	7.45	18	30	6.21	5.0		2.1		0.61	5.3	0.21	
24	Sat	3.0	3.5				0.00	7.55	135	106	16.99	7.45	87	50	15.47	7.16	9	18	6.17	4.7		1.8		1.18	3.5	0.20	
25	Sun	3.2		0.48		0.4	0.00	7.62	133	100	17.75	7.47	88	56	15.68	7.21	11	16	7.09	4.7		2.2		1.12	3.8	0.19	
26	Mon	8.8		0.32		8.8	0.00	7.63	62	101	5.02	7.47	42	68	4.82	7.25	15	36	3.02	6.9		3.5		0.18	10.5	0.20	
27	Tue	8.6		0.80		14.4	0.00	7.53	27	76	4.62	7.42	35	48	5.19	7.15	11	21	2.34	6.8		3.4		0.20	10.3	0.21	
28	Wed	5.5		0.13		0.8	0.00	7.59	53	64	8.14	7.45	33	38	7.71	7.29	7	17	2.97	5.2		2.7	90	0.45	6.6	0.20	
29	Thu	3.8		0.23		0.6	0.00	7.67	75	70	16.30	7.48	62	42	16.46	7.21	10	10	7.57	4.8		2.1		0.83	4.5	0.19	
30	Fri	8.2	6.1	0.57		15.9	0.00	7.53	54	92	5.97	7.42	40	53	7.96	7.35	9	24	4.04	6.7		3.1		0.19	9.9	0.21	
AVERAGE		4.3		0.12		1.7	0.00	7.62	109	115	14.18	7.47	68	57	13.56	7.22	11	24	6.03	5.0	2	2.3	17	0.85	5.1	0.20	3
MAXIMUM		8.8	6.1	0.80		15.9	0.00	7.81	295	370	21.67	7.58	98	84	19.37	7.45	21	40	9.04	6.9	60	3.5	240	1.30	10.5	0.22	90
MINIMUM		2.9		0.02		0.0	0.00	7.53	27	54	4.62	7.35	28	38	4.82	7.10	7	9	2.34	4.7	60	1.8	90	0.18	3.5	0.18	90
# OF DATA		30		13		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	1	30	3		30		1
TOTAL		128		3.67		52	0	228	3256	3435	425	224	2040	1701	407	217	345	713	181	151	60	70	510		153		90

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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	Thu	3.6	7.69	7.59	6		198		8		256		0.22		7		8.2		1.34	10	< 0.01
2	Fri	3.5	7.75	7.54	2		63		7		220		0.16		5		7.9		1.80	170	< 0.01
3	Sat	4.6	7.71	7.61	3		143		13		546		0.43		18		7.8		1.53	1	< 0.01
4	Sun	3.9	7.65	7.54	4		143		11		376		0.26		9		7.6		1.33	7	< 0.01
5	Mon	2.9	7.71	7.57	3		77		4		106		0.11		3		8.2		1.43	5	< 0.01
6	Tue	2.9	7.73	7.41	3		82		3		79		0.13		3		8.7		1.58	2	< 0.01
7	Wed	3.8	7.74	7.46	4		123		17		597		0.18		6		8.5		1.31	9	< 0.01
8	Thu	4.7	7.64	7.49	4		162		7		291		0.15		6		8.8		1.49	33	< 0.01
9	Fri	4.2	7.63	7.48	4		158		13		489		0.34		13		8.7		1.58	24	< 0.01
10	Sat	3.0	7.63	7.44	3	4	72	117	11	9	291	318	0.24	0.20	6	7	8.5		1.42	12	< 0.01
11	Sun	2.9	7.65	7.42	2		57		5		129		0.16		4		8.4		1.47	1	< 0.01
12	Mon	3.7	7.69	7.45	5		174		26		868		0.18		6		8.3		1.77	9	< 0.01
13	Tue	3.0	7.74	7.53	3		69		2		53		0.07		2		8.1		1.27	7	< 0.01
14	Wed	3.3	7.76	7.60	< 2		29		4		117		0.23		7		8.7		1.48	2	< 0.01
15	Thu	5.1	7.66	7.33	3		123		11		503		0.38		17		8.8		1.50	142	< 0.01
16	Fri	2.8	7.60	7.50	< 2		25		8		203		0.23		6		8.6		1.59	9	< 0.01
17	Sat	2.7	7.78	7.55	< 2	2	24	72	7	9	171	292	0.11	0.19	3	6	8.4		1.28	1	< 0.01
18	Sun	3.7	7.67	7.50	3		83		13		430		0.13		4		8.5		1.56	1	< 0.01
19	Mon	3.3	7.72	7.55	3		83		8		229		0.31		9		8.4		1.35	68	< 0.01
20	Tue	2.9	7.70	7.58	2		51		3		77		0.15		4		8.6		1.40	0	< 0.01
21	Wed	3.4	7.64	7.55	3		98		2		61		0.10		3		8.7		1.47	3	< 0.01
22	Thu	2.9	7.68	7.61	2		62		3		65		0.11		3		8.8		1.46	5	< 0.01
23	Fri	4.1	7.65	7.47	3		99		8		293		0.29		11		8.8		1.55	84	< 0.01
24	Sat	2.8	7.72	7.57	3	3	69	78	6	6	136	184	0.15	0.18	4	5	8.6		1.47	2	< 0.01
25	Sun	3.0	7.69	7.40	3		83		5		121		0.18		5		8.8		1.62	1	< 0.01
26	Mon	8.1	7.55	7.22	6		409		20		1460		0.32		23		9.0		1.45	78	< 0.01
27	Tue	8.0	7.54	7.14	4		286		9		643		0.12		9		9.1		1.44	69	< 0.01
28	Wed	5.2	7.46	7.30	3		132		7		319		0.18		8		9.2		1.52	92	< 0.01
29	Thu	3.6	7.53	7.42	2		73		2		47		0.29		9		8.9		1.80	2	< 0.01
30	Fri	7.6	7.51	7.25	3	3	191	184	8	8	546	489	0.35	0.22	24	12	9.3		1.73	361	< 0.01
AVERAGE		4.0			3		115		8		324		0.21		8		8.6		1.50	9	< 0.01
MAXIMUM		8.1	7.78		6	4	409	184	26	9	1460	489	0.43	0.22	24	12	9.3		1.80	361	< 0.01
MINIMUM		2.7		7.14	<2		24		2		47		0.07		2		7.6		1.27	0	< 0.01
# OF DATA		30	30	30	30		30		30		30		30		30		30		30	30	30
TOTAL		119	230	224	91		3441		249		9721		6		237		256.9		44.99	1210	< 0.01

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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 Hours per day	Sludge to Headworks (gal x 1000)		
1	Thu	100	60			32	0	272	6	2	81		
2	Fri	120	70	27	34	31	0	272	6	2	83		
3	Sat	130	90			34	0	268	6	2	84		
4	Sun	110	80			39	0	273	6	2	93		
5	Mon	100	50			35	0	275	6	2	97		
6	Tue	100	50		41	37	0	275	6	2	104		
7	Wed	120	60			39	5	274	6	2	90		
8	Thu	140	90			36	0	270	6	2	83		
9	Fri	110	70	14	27	32	9	271	6	2	83		
10	Sat	70	50			35	0	288	6	2	83		
11	Sun	80	40			31	0	288	6	2	82		
12	Mon	60	70			38	0	286	6	2	92		
13	Tue	120	40			44	0	283	4	2	91		
14	Wed	100	60		20	52	0	283	6	2	92		
15	Thu	110	100			39	0	282	6	2	84		
16	Fri	70	50			21	0	284	6	2	85		
17	Sat	90	40			32	0	284	6	2	83		
18	Sun	110	50			33	0	283	6	2	83		
19	Mon	100	60			26	0	284	6	2	92		
20	Tue	40	60			22	0	281	6	2	85		
21	Wed	120	40			21	11	281	6	2	90		
22	Thu	100	50			25	0	277	6	2	85		
23	Fri	90	70			31	0	281	6	2	86		
24	Sat	80	50			29	0	278	6	2	85		
25	Sun	80	60			31	0	276	6	2	92		
26	Mon	190	150	27	27	43	0	278	6	2	87		
27	Tue	220	160			43	8	284	6	2	86		
28	Wed	120	100		41	30	0	289	6	2	86		
29	Thu	110	60	20	47	28	6	288	6	2	87		
30	Fri	130	160			41	0	288	6	2	86		
AVERAGE		107	71	3	8	34	1	280	6	2	87		
MAXIMUM		220	160	27	47	52	11	289	6	2	104		
MINIMUM		40	40	14	20	21	0	268	4	2	81		
# OF DATA		30	30	4	7	30	30	30	30	30	30		
TOTAL		3220	2140	88	236	1011	39	8396	178	68	2620		

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	Thu								96				96	20				65			282		
2	Fri								96				96	19				40			275		
3	Sat								96				96	21				49			275		
4	Sun								96				96	25				71			275		
5	Mon		2.47	63.1	6.44	2.12	52.4	6.90	96	2.91	57.4	7.00	96	22	4.50	53.9	6.95	59			274		
6	Tue								96				96	37				16			314		41
7	Wed								96				96	11				0			314		
8	Thu								96				96	34				91			303		
9	Fri								96				96	39				89			301		
10	Sat								96				96	17				39			300		
11	Sun								96				96	17				44			300		
12	Mon		1.85	66.0	6.37	2.01	57.9	6.87	96	1.89	58.9	7.04	96	45	4.19	58.4	6.95	19			345		45
13	Tue								96				96	21				36			344		
14	Wed								97				96	34				85			345		
15	Thu								97				96	37				91			332		
16	Fri								96				96	32				24			363		40
17	Sat								96				96	8				7			363		
18	Sun								96				96	15				40			363		
19	Mon		2.99	79.1	6.72	1.76	59.1	6.83	96	2.01	68.9	7.04	96	44	3.83	58.3	7.10	33			349		55
20	Tue								96				96	7				13			335		
21	Wed								96				96	8				15			336		
22	Thu								96				96	13				38			335		
23	Fri								96				96	17				58			335		
24	Sat								96				96	17				62			335		
25	Sun								96				96	20				69			336		
26	Mon		3.53	72.8	6.54	1.89	60.2	6.75	96	2.01	60.4	6.98	96	47	4.12	57.7	7.10	39			336		48
27	Tue								96				96	30				61			339		
28	Wed								96				96	24				75			338		
29	Thu								96				96	26				74			332		
30	Fri								96				96	30				94			333		
AVERAGE			2.71	70.3	6.52	1.95	57.4	6.84	96	2.21	61.4	7.02	96	25	4.16	57.1	7.03	50			324		8
MAXIMUM			3.53	79.1	6.72	2.12	60.2	6.90	97	2.91	68.9	7.04	96	47	4.50	58.4	7.10	94			363		55
MINIMUM			1.85	63.1	6.37	1.76	52.4	6.75	96	1.89	57.4	6.98	96	7	3.83	53.9	6.95	0			274		
# OF DATA			4	4	4	4	4	4	30	4	4	4	30	30	4	4	4	30		30	30		30
TOTAL			11	281	26	8	230	27	2885	9	246	28	2881	736	17	228	28	1495			9706		229

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## NPDES LIMITS AND ANALYSIS

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

INFLUENT								EFFLUENT							
Method: 24 hour composite								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:	September 7th	<0.005	0.046	<0.005	0.005	0.039		<0.005	0.028	<0.005	0.005	0.025			
2nd Date:	September 21st	0.0	0.060	<0.005	0.008	0.058	<0.005	<0.005	0.015	<0.005	<0.005	0.017	<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		0.0	0.053	<0.003	0.007	0.049	<0.003	<0.003	0.022	<0.003	0.004	0.021	<0.003		
Maximum		0.0	0.060	<0.005	0.008	0.058	<0.005	<0.005	0.028	<0.005	0.005	0.025	<0.005		

**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	Oxygen*		Residual	Coliform	Coliform
	MGD	MGD	mg/L	mg/L	lbs/Day	lbs/Day	mg/L	mg/L	lbs/Day	lbs/Day	mg/L	mg/L	lbs/Day	lbs/Day	mg/L		in	(Colonies	(Colonies
																	mg/L	/100mL)	/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	0	0	0	0	0	0	0	0	0
Max	6.1	4.3	4	3	184	115	9	8	489	324	0.22	0.21	12	8	7.6	7.78	< 0.01	361	9
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: Sep-11  
 LaPorte Wastewater Treatment Plant  
 2101 Boyd Boulevard, La Porte IN 46350  
 Phone # (219)362-2354

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 Permit # IN0025577  
 Expires 12-31-2014  
 Certified Operator : Jerry P Jackson  
 Certification Number : 11496

Total lbs Volatile Solids to Digester 5,351

Overall Percent Removal of Volatile Solids 43.7%

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 22,675

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 478

Fixed Bed Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 53

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 665

Rotary Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 27

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 :	37%	50%	4%
Secondary Treatment :	83%	58%	56%
Adv. Sec. Treatment :	74%	65%	97%
Overall Treatment :	97%	93%	99%

Detention Time (Hours)	Maximum	Minimum	Average
Primary Settling Tank	4.2	1.4	2.9
Secondary Settling Tank	3.1	1.0	2.1
Final Settling Tank	9.6	3.2	6.6
Chlorine Contact Tank	0.66	0.22	0.46
Total Plant Retention Time	16.9	5.6	11.6

Surface Flow Rate			
Gallons per sq ft per Day	Maximum	Minimum	Average
Primary Settling Tank	1094	366	532
Secondary Settling Tank	1444	483	703
Final Settling Tank	736	246	358

Weir OverFlow Rate			
1000 Gal per ft per Day	Maximum	Minimum	Average
Primary Settling Tank	21	7	10
Secondary Settling Tank	17	6	8
Final Settling Tank	17	6	8

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:

9/1/2011 - On emergency power 3:50 am to 4:10 am  
 9/3/2011 - On emergency power 4:54 am due to brief outage  
 9/12/2011 - South final clarifier out of service for 4 hours work weir cleaning  
 9/13/2011 - North final clarifier out of service for 4 hours work weir cleaning  
 9/26/2011 - On emergency power 2:42 am to 5:20 am

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: \_\_\_\_\_

