

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: May-13
 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	5.0					0.00	7.43	230	604	15.84	7.36	69	70	14.86	7.23	13	31	10.73	4.7		2.3		0.41	7.7	0.55	
2	Thu	3.6					0.00	7.37	195	112	22.23	7.17	105	78	23.59	7.14	14	26	11.51	4.7		2.3		0.96	5.2	0.45	
3	Fri	3.2					0.00	7.47	195	98	23.93	7.37	93	68	23.64	7.23	14	20	10.75	4.6		2.0		1.09	4.9	0.56	
4	Sat	4.7	4.1				0.00	7.36	107	82	14.52	7.24	84	66	16.64	7.14	15	28	11.13	4.7		1.8		0.37	7.1	0.50	
5	Sun	3.7					0.00	7.63	124	104	15.67	7.54	67	64	19.68	7.49	14	24	9.92	4.7		1.8		0.73	5.1	0.36	
6	Mon	3.2					0.00	7.41	175	150	21.46	7.30	89	78	21.56	7.13	9	25	12.65	4.7		2.1		1.14	4.8	0.51	
7	Tue	4.2					0.00	7.67	108	108	30.67	7.57	76	74	32.74	7.47	13	29	21.04	4.7		2.3		0.65	7.2	0.69	
8	Wed	4.2					0.00	7.63	100	135	16.41	7.49	67	58	23.00	7.23	9	18	16.28	4.7		2.4		0.67	6.3	0.50	
9	Thu	3.4		0.23			0.00	7.64	170	220	20.70	7.51	106	80	19.73	7.25	14	26	8.91	4.8		2.4		1.09	5.1	0.48	
10	Fri	5.7		0.25		1.8	0.00	7.87	180	246	11.67	7.72	86	119	19.31	7.44	24	57	16.70	5.2		2.1		0.27	9.2	0.60	
11	Sat	4.0	4.1	0.03			0.00	7.68	102	68	13.14	7.56	76	72	16.24	7.49	6	24	8.48	4.8		1.8		0.66	5.9	0.48	
12	Sun	2.9					0.00	7.67	150	90	19.76	7.50	91	78	22.19	7.38	12	29	10.81	4.8		1.8		1.25	4.9	0.67	
13	Mon	3.6					0.00	7.84	185	136	88.77	7.55	80	68	35.71	7.26	15	26	20.91	4.7		2.1		0.89	6.0	0.65	
14	Tue	4.8					0.00	7.63	78	84	13.56	7.53	58	62	12.86	7.34	14	31	9.32	4.7		2.3		0.48	7.5	0.57	
15	Wed	3.2		0.01			0.00	7.61	145	115	20.23	7.47	103	60	18.70	7.27	29	17	8.20	4.7		2.3		1.22	5.1	0.60	
16	Thu	4.7					0.00	7.65	104	68	14.03	7.54	78	60	15.74	7.21	16	31	5.19	4.7		2.4		0.50	7.4	0.55	
17	Fri	3.3					0.00	7.66	180	140	19.99	7.50	83	66	21.09	7.21	16	26	8.88	4.7		2.0		1.04	5.1	0.54	
18	Sat	2.9	3.6				0.00	7.60	153	158	16.67	7.42	106	66	16.53	7.20	16	26	7.50	4.7		1.8		1.26	4.9	0.68	
19	Sun	4.7					0.00	7.62	103	138	11.96	7.46	72	64	11.73	7.27	14	39	8.04	4.7		1.8		0.39	7.1	0.51	
20	Mon	3.3					0.00	7.60	140	150	17.65	7.42	88	68	14.67	7.30	10	27	4.70	4.7		2.1		1.10	5.1	0.57	
21	Tue	7.5		0.70		5.3	0.00	7.72	107	167	12.96	7.51	68	126	10.72	7.31	14	59	4.27	6.6		3.3		0.32	10.6	0.41	
22	Wed	5.6		0.16		1.0	0.00	7.69	93	95	10.51	7.55	65	90	11.46	7.32	16	39	5.34	5.5		2.5		0.42	8.3	0.49	
23	Thu	4.6		0.20			0.00	7.68	93	92	12.53	7.58	61	66	14.53	7.39	14	31	7.80	5.1		2.3		0.59	7.0	0.51	
24	Fri	2.7					0.00	7.79	170	142	22.47	7.54	92	80	20.85	7.33	13	28	10.30	4.8		2.0		1.46	4.9	0.79	60
25	Sat	3.5	4.6				0.00	7.82	173	104	49.63	7.49	85	80	26.31	7.29	14	31	14.24	4.8		1.8		0.87	6.2	0.77	
26	Sun	4.1					0.00	7.93	72	76	13.52	7.51	54	74	16.10	7.28	11	35	7.89	4.8		1.8		0.61	6.1	0.50	
27	Mon	3.8		0.30			0.00	7.60	210	176	16.06	7.38	101	84	16.70	7.25	15	36	6.90	4.8		2.2		0.82	5.8	0.52	
28	Tue	6.6		1.04		5.0	0.00	7.79	108	110	28.37	7.58	63	90	10.90	7.34	19	53	6.54	5.8		2.6		0.28	9.9	0.51	
29	Wed	9.1		0.08		5.9	0.00	7.62	45	37	5.70	7.53	35	60	6.65	7.40	14	37	4.19	7.2		3.6		0.19	12.8	0.42	
30	Thu	4.8					0.00	7.71	81	136	11.47	7.58	54	78	10.74	7.35	18	30	4.86	4.8		2.3		0.48	7.7	0.61	
31	Fri	5.4	5.2	0.18		1.6	0.00	7.68	74	138	11.16	7.50	63	77	10.10	7.30	11	31	4.46	5.1		2.1		0.31	8.8	0.62	
AVERAGE		4.4		0.10		0.7	0.00	7.65	134	138	20.10	7.48	78	75	17.91	7.30	14	31	9.63	5.0		2.2		0.73	6.8	0.55	2
MAXIMUM		9.1	5.2	1.04		5.9	0.00	7.93	230	604	88.77	7.72	106	126	35.71	7.49	29	59	21.04	7.2		3.6		1.46	12.8	0.79	60
MINIMUM		2.7		0.01		0.0	0.00	7.36	45	37	5.70	7.17	35	58	6.65	7.13	6	17	4.19	4.6		1.8		0.27	4.8	0.36	60
# OF DATA		31		11		31	31	31	31	31	31	31	31	31	31	31	31	31	31	31		31			31		1
TOTAL		136		3.18		21	0	237	4147	4279	623	232	2416	2324	555	226	444	969	298	154		68			210		60

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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	4.4	7.35	7.01	5		207		14		580		0.12		5		9.4		1.10	8	< 0.01
2	Thu	3.1	7.30	7.01	7		208		13		371		0.43		13		8.7		1.13	2	< 0.01
3	Fri	2.7	7.33	7.01	9		229		3		79		0.12		3		9.4		1.26	1	< 0.01
4	Sat	4.1	7.26	7.15	9	6	355	194	16	10	631	363	0.36	0.26	14	8	9.4		1.19	7	< 0.01
5	Sun	3.2	7.83	6.89	7		206		13		390		0.09		3		9.5		1.12	2	< 0.01
6	Mon	2.7	7.32	6.98	5		138		8		212		0.11		3		9.2		1.18	0	< 0.01
7	Tue	3.7	7.89	7.39	6		209		15		513		0.42		15		8.8		1.10	4	< 0.01
8	Wed	3.7	7.62	7.48	7		247		6		212		0.29		10		8.8		1.26	7	< 0.01
9	Thu	2.9	7.65	7.51	5		148		10		285		0.11		3		8.8		1.21	0	< 0.01
10	Fri	5.0	7.55	7.33	8		382		14		668		0.92		44		9.3		1.25	104	< 0.01
11	Sat	3.5	7.69	7.53	7	6	232	223	6	10	199	354	0.23	0.31	8	12	9.3		1.22	15	< 0.01
12	Sun	2.6	7.67	7.52	6		152		7		171		0.37		9		9.9		0.93	1	< 0.01
13	Mon	3.2	7.59	7.46	9		264		15		455		0.64		19		9.7		1.15	1	< 0.01
14	Tue	4.2	7.63	7.50	4		167		19		758		0.39		16		9.1		1.17	13	< 0.01
15	Wed	2.8	7.68	7.50	14		365		6		160		0.12		3		8.4		1.17	0	< 0.01
16	Thu	4.1	7.66	7.53	14		533		14		553		0.25		10		8.6		1.27	41	< 0.01
17	Fri	2.9	7.65	7.54	10		266		5		137		0.19		5		8.7		1.12	0	< 0.01
18	Sat	2.5	7.70	7.51	7	9	167	273	9	11	217	350	0.24	0.31	6	10	8.9		1.21	0	< 0.01
19	Sun	4.1	7.65	7.34	5		205		18		688		0.17		7		9.1		1.13	27	< 0.01
20	Mon	2.8	7.64	7.52	4		119		11		298		0.13		4		8.4		1.17	5	< 0.01
21	Tue	6.3	7.68	7.25	10		623		43		2704		0.39		25		8.4		1.20	131	< 0.01
22	Wed	4.9	7.70	7.37	8		393		20		936		0.42		20		7.7		1.20	54	< 0.01
23	Thu	4.0	7.63	7.45	7		255		13		502		0.33		13		8.5		1.24	17	< 0.01
24	Fri	2.4	7.63	7.50	9		213		7		160		0.26		6		9.2		0.94	3	< 0.01
25	Sat	3.1	7.65	7.40	8	7	244	293	15	18	440	819	0.86	0.37	25	14	9.3		1.58	10	< 0.01
26	Sun	3.6	7.87	7.55	6		198		19		630		0.50		17		9.4		1.24	23	< 0.01
27	Mon	3.3	7.60	7.46	6		191		12		381		0.22		7		8.8		1.54	20	< 0.01
28	Tue	5.7	7.75	7.35	10		572		31		1706		0.45		25		8.5		1.12	34	< 0.01
29	Wed	7.8	7.57	7.19	9		703		22		1662		0.44		33		8.4		1.20	62	< 0.01
30	Thu	4.2	7.63	7.51	7		296		15		580		0.21		8		7.4		1.22	4	< 0.01
31	Fri	4.7	7.67	7.46	5	7	222	336	19	17	861	853	0.19	0.31	9	15	7.8		1.16	28	< 0.01
AVERAGE		3.8			8		281		14		585		0.32		12		8.9		1.19	7	< 0.01
MAXIMUM		7.8	7.89		14	9	703	336	43	18	2704	853	0.92	0.37	44	15	9.9		1.58	131	< 0.01
MINIMUM		2.4		6.89	4		119		3		79		0.09		3		7.4		0.93	0	< 0.01
# OF DATA		31	31	31	31		31		31		31		31		31		31		31	31	31
TOTAL		118	236	228	233		8708		435		18142		10		386		274.8		36.98	624	< 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	Wed	140	50			30	0	261	6	2	83		
2	Thu	50	50			35	0	257	6	2	83		
3	Fri	80	60			36	0	255	6	2	93		
4	Sat	110	90			38	0	256	6	2	82		
5	Sun	80	60			46	0	253	6	2	82		
6	Mon	80	50			40	0	265	6	2	97		
7	Tue	90	60			40	0	279	6	2	82		
8	Wed	90	60			33	0	276	6	2	84		
9	Thu	90	50	20	34	36	0	264	6	2	81		
10	Fri	130	110			49	0	265	6	2	82		
11	Sat	80	60			45	0	260	6	2	82		
12	Sun	60	50			36	0	252	6	2	81		
13	Mon	80	50		34	28	0	252	6	2	82		
14	Tue	100	40			29	0	261	6	2	92		
15	Wed	80	60			24	0	255	6	2	80		
16	Thu	80	70			22	3	265	6	2	91		
17	Fri	80	50			21	0	258	6	2	83		
18	Sat	60	50			25	0	254	6	2	81		
19	Sun	90	60			30	0	261	6	2	81		
20	Mon	70	50	27	41	27	0	256	6	2	72		
21	Tue	180	100			45	0	257	5	2	74		
22	Wed	120	80			35	6	270	6	2	86		
23	Thu	110	100			32	0	276	6	2	86		
24	Fri	60	80			27	0	276	6	2	83		
25	Sat	70	70			23	0	280	6	2	86		
26	Sun	70	60			27	0	280	6	2	87		
27	Mon	100	60			29	0	272	6	2	83		
28	Tue	130	70	27	27	37	0	266	6	2	85		
29	Wed	190	120			36	0	265	6	2	86		
30	Thu	90	70			40	0	272	6	2	85		
31	Fri	120	80	27	27	45	0	276	6	2	87		
AVERAGE		95	67	3	5	34	0	264	6	2	84		
MAXIMUM		190	120	27	41	49	6	280	6	2	97		
MINIMUM		50	40	20	27	21	0	252	5	2	72		
# OF DATA		31	31	4	5	31	31	31	31	31	31		
TOTAL		2960	2070	101	162	1045	9	8195	185	69	2603		

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 #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								95				97	19				46					
2	Thu								95				97	22				53					
3	Fri								95				97	22				53					
4	Sat								95				97	23				60					
5	Sun								95				97	29				70					
6	Mon		2.37	68.4	6.72	1.25	62.1	7.06	95	2.06	57.8	7.08	97	35	4.46	57.9	7.08	42					19
7	Tue								95				97	26				59					
8	Wed								95				97	22				57					
9	Thu								95				97	21				52	0.38				
10	Fri								95				97	32				80	1.64				
11	Sat								95				97	34				85	0.16				
12	Sun								95				97	27				68	2.01				
13	Mon		2.95	70.9	6.49	1.47	57.1	7.27	95	2.01	52.5	7.07	97	29	4.44	56.6	7.16	21					28
14	Tue								95				97	12				22					
15	Wed								95				97	15				39					
16	Thu								95				97	20				42	0.20				
17	Fri								95				97	14				34					
18	Sat								95				97	15				35					
19	Sun								95				97	19				49					
20	Mon		3.15	70.5	5.93	1.14	61.1	7.24	95	2.07	60.0	7.12	97	31	4.65	57.7	7.28	19					28
21	Tue								95				97	26				53					
22	Wed								95				97	31				78					
23	Thu								95				97	23				56	1.59				
24	Fri								95				97	19				48					
25	Sat								95				97	16				39	0.54				
26	Sun								95				97	18				49	0.11				
27	Mon		3.26	70.5	6.85	1.46	62.2	7.21	95	2.34	59.5	7.14	97	29	4.40	55.7	7.16	17			23		27
28	Tue								95				97	20				44				26	
29	Wed								95				97	26				62				26	
30	Thu								95				97	40				17				61	37
31	Fri								95				97	30				0				87	26
AVERAGE			2.93	70.1	6.50	1.33	60.6	7.20	95	2.12	57.5	7.10	97	24	4.49	57.0	7.17	47	0.83			7	5
MAXIMUM			3.26	70.9	6.85	1.47	62.2	7.27	95	2.34	60.0	7.14	97	40	4.65	57.9	7.28	85	2.01			87	37
MINIMUM			2.37	68.4	5.93	1.14	57.1	7.06	95	2.01	52.5	7.07	97	12	4.40	55.7	7.08	0	0.11				
# OF DATA			4	4	4	4	4	4	31	4	4	4	31	31	4	4	4	31	8	31	31		31
TOTAL			12	280	26	5	243	29	2952	8	230	28	3007	746	18	228	29	1449	7			224	164

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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 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:	May 1st, 2013	0.006	0.430	0.020	0.012	0.690		<0.005	0.020	<0.005	0.005	0.021			
2nd Date:	May 15th, 2013	0.027	0.067	<0.005	0.008	0.056	<0.005	<0.005	0.025	<0.005	<0.005	0.023	<0.005		
3rd Date:	May 29th, 2013	<0.005	0.030	<0.005	<0.005	0.031		<0.005	0.038	<0.005	<0.005	0.035			
4th Date:															
5th Date:															
Number of times Limit Value exceeded:		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Average		0.012	0.176	0.008	0.008	0.259	<0.003	<0.003	0.028	<0.003	0.003	0.026	<0.003		
Maximum		0.027	0.430	0.020	0.012	0.690	<0.005	<0.005	0.038	<0.005	0.005	0.035	<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	0	0	0	0	0	0	0	0	0
Max	5.2	4.4	9	8	336	281	18	14	853	585	0.37	0.32	15	12	7.4	7.89	< 0.01	131	7
% of Limit	75%	63%	30%	38%	13%	17%	50%	58%	28%	29%	15%	20%	7%	9%	123%				
Total				0		0		0		0		0		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: May-13
 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 5,779

Overall Percent Removal of Volatile Solids 43.4%

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 28,830

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 470

Fixed Bed Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 51

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 879

Rotary Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 32

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 :	42%	46%	11%
Secondary Treatment :	82%	58%	46%
Adv. Sec. Treatment :	47%	55%	97%
Overall Treatment :	94%	90%	98%

Detention Time (Hours)	Maximum	Minimum	Average
Primary Settling Tank	4.4	1.3	2.8
Secondary Settling Tank	3.3	1.0	2.0
Final Settling Tank	10.2	3.1	6.4
Chlorine Contact Tank	0.71	0.21	0.44
Total Plant Retention Time	17.9	5.4	11.2

Surface Flow Rate	Maximum	Minimum	Average
Gallons per sq ft per Day			
Primary Settling Tank	1132	343	549
Secondary Settling Tank	1495	453	725
Final Settling Tank	762	231	370

Weir OverFlow Rate	Maximum	Minimum	Average
1000 Gal per ft per Day			
Primary Settling Tank	22	7	11
Secondary Settling Tank	18	5	9
Final Settling Tank	17	5	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:

5/6/2013 - Successful test of emergency power system
 5/20/2013 - Successful test of emergency power system

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: _____

