

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Mar-15
 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 Jack

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 'X' if occurred	Diversion to CSO Basin hours	CSO Basin Overflow MGal/Day	pH	CBOD in mg/L	TSS in mg/L	NH3 in mg/L	Total P in mg/L	pH	CBOD in mg/L	TSS in mg/L	NH3 in mg/L	Total P in mg/L	pH	CBOD in mg/L	TSS in mg/L	NH3 in mg/L	Total P 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	Sun	4.0		0.07			0.00	7.61	107	120	12.7		7.51	27	52	15.1		7.32	14	19	12.8		4.5		2.0		0.62	6.5	0.62		
2	Mon	3.5		0.01			0.00	7.62	115	163	18.3		7.56	100	70	21.9		7.44	20	28	15.3		4.5		2.2		0.92	4.4	0.26		
3	Tue	3.6		0.02			0.00	7.75	100	142	49.2		7.62	82	54	20.3		7.56	17	22	14.9		4.5		2.5		0.95	4.8	0.34		
4	Wed	3.9					0.00	7.65	101	70	15.2	2.84	7.61	73	30	17.8	2.62	7.55	20	21	12.3	1.92	4.5		2.7		0.83	5.7	0.45		
5	Thu	2.8					0.00	7.75	150	114	24.9		7.60	111	66	25.0		7.43	17	25	16.7		4.5		1.9		1.25	4.2	0.48		
6	Fri	3.7					0.00	7.75	129	118	18.3		7.60	77	58	20.2		7.61	17	20	16.1		4.6		1.8		0.70	5.9	0.59		
7	Sat	4.9	3.8			2.2	0.00	7.70	125	218	12.4		7.57	99	108	14.8		7.55	20	32	10.7		5.2		2.6		0.59	6.7	0.38		
8	Sun	3.5					0.00	7.78	121	126	13.5		7.51	85	70	14.9		7.30	24	27	11.0		4.4		2.5		0.96	5.2	0.48		
9	Mon	5.9				3.5	0.00	7.60	101	103	24.3		7.53	71	72	11.5		7.30	20	25	9.6		5.6	90	2.9		0.43	8.0	0.36	90	
10	Tue	5.6				0.8	0.00	7.50	98	76	11.4		7.41	97	82	14.3		7.26	22	26	10.5		5.2		3.3	135	0.51	7.9	0.41		
11	Wed	4.2		0.01			0.00	7.59	120	89	22.4	3.23	7.50	93	66	20.1	2.50	7.32	18	24	14.7	2.04	4.6		3.2		0.87	5.7	0.37		
12	Thu	4.1					0.00	7.53	96	88	16.8		7.42	65	60	19.2		7.15	20	18	15.4		5.2		2.4		0.88	5.6	0.38		
13	Fri	5.1					0.00	7.51	114	72	16.4		7.40	75	66	16.9		7.25	19	33	12.9		4.6		2.7	135	0.42	7.6	0.48		
14	Sat	3.6	4.6				0.00	7.50	84	108	18.8		7.52	68	46	18.8		7.23	15	17	13.3		4.7		1.8		0.79	4.6	0.28		
15	Sun	4.6					0.00	7.53	93	68	12.1		7.38	76	50	13.0		7.21	18	27	10.5		4.6		2.1		0.44	6.6	0.43		
16	Mon	4.0					0.00	7.56	120	91	16.7		7.40	89	58	16.2		7.26	15	26	12.9		4.6		2.2		0.71	5.5	0.37		
17	Tue	3.6					0.00	7.56	115	114	14.4		7.43	104	60	23.7		7.36	23	24	14.3		4.6		2.2		0.92	5.1	0.43		
18	Wed	4.7					0.00	7.53	135	129	13.3	2.21	7.40	82	52	20.4	2.18	7.28	20	24	23.9	1.85	4.6		2.2		0.46	7.0	0.50		
19	Thu	3.2					0.00	7.53	195	122	29.4		7.44	103	116	23.5		7.28	13	25	16.3		4.7		1.9		1.07	4.8	0.52		
20	Fri	4.1		0.04			0.00	7.73	151	120	15.0		7.48	111	70	20.3		7.33	23	28	15.9		4.7		1.8	90	0.59	6.1	0.50		
21	Sat	4.2	4.0				0.00	7.73	117	94	18.3		7.58	80	50	19.9		7.46	16	18	14.4		4.7		1.8		0.52	5.7	0.36		
22	Sun	3.1					0.00	7.65	138	104	19.1		7.52	113	54	19.9		7.49	25	26	13.5		4.6		2.1		1.12	4.8	0.55		
23	Mon	4.2		0.16			0.00	7.70	160	140	23.8		7.48	135	82	18.3		7.37	27	25	15.5		4.5		3.0		0.79	6.3	0.51		
24	Tue	4.6		0.12			0.00	7.89	113	98	15.5		7.73	86	62	19.1		7.49	21	33	15.1		4.5		2.8		0.59	6.3	0.38		
25	Wed	6.2		0.33		4.3	0.00	7.82	98	128	12.0	2.39	7.57	84	112	12.8	2.43	7.34	23	44	10.8	2.01	5.8		3.5		0.49	8.9	0.43		
26	Thu	4.3					0.00	7.79	109	56	16.6		7.60	86	38	19.1		7.32	17	19	14.3		4.6		2.4		0.62	5.9	0.37		
27	Fri	3.3					0.00	7.63	155	124	29.4		7.52	105	66	28.6		7.47	16	20	20.6		4.6		1.7		0.93	3.9	0.17		
28	Sat	3.9	4.2				0.00	7.83	115	82	18.0		7.62	83	58	20.5		7.45	16	20	17.1		4.6		1.8		0.61	6.4	0.62		
29	Sun	3.8		0.02			0.00	7.89	111	116	15.4		7.63	85	60	15.3		7.55	15	23	10.9		4.5		2.0		0.71	4.6	0.19		
30	Mon	3.2					0.00	7.72	210	103	32.7		7.55	104	46	21.4		7.48	16	13	17.7		4.5		2.2		1.11	4.0	0.25		
31	Tue	4.8					0.00	7.79	93	86	13.9		7.53	81	46	14.8		7.41	15	19	12.2		4.5		2.2		0.42	7.0	0.47		
AVERAGE		4.1		0.03		0.3	0.00	7.67	122	109	19.0	2.67	7.52	88	64	18.6	2.43	7.38	19	24	14.3	1.96	4.7	3	2.3	12	0.73	5.9	0.42	3	
MAXIMUM		6.2	4.6	0.33		4.3	0.00	7.89	210	218	49.2	3.23	7.73	135	116	28.6	2.62	7.61	27	44	23.9	2.04	5.8	90	3.5	135	1.25	8.9	0.62	90	
MINIMUM		2.8		0.00		0.0	0.00	7.50	84	56	11.4	2.21	7.38	27	30	11.5	2.18	7.15	13	13	9.6	1.85	4.4	90	1.7	90	0.42	3.9	0.17	90	
# OF DATA		31		31		31	31	31	31	31	31	4	31	31	31	31	4	31	31	31	31	4	31	1	31	3		31		1	
TOTAL		128		0.78		11	0	238	3787	3382	590	11	233	2729	1980	578	10	229	576	751	442	8	145	90	72	360		182		90	

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 Certification Number : 11496

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	Total P in mg/L	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	Sun	4.0	7.54	7.35	7		248		10		335		0.25		8		12.4					
2	Mon	3.6	7.63	7.40	7		203		9		261		0.18		5		13.2					
3	Tue	3.5	7.58	7.33	10		300		4		119		0.44		13		12.8					
4	Wed	4.0	7.74	7.41	9		297		8		261		0.25		8		1.98	13.1				
5	Thu	3.0	7.66	7.51	6		142		12		273		0.24		6		13.8					
6	Fri	3.7	7.57	7.35	8		237		5		156		0.23		7		13.3					
7	Sat	4.8	7.65	7.47	8	8	321	250	13	9	528	276	0.52	0.30	21	10	13.2					
8	Sun	3.5	7.42	7.34	8		236		12		335		0.26		8		12.7					
9	Mon	5.5	7.39	7.25	8		393		11		541		0.68		33		13.4					
10	Tue	5.4	7.46	7.33	10		465		8		376		1.20		56		13.0					
11	Wed	4.1	7.48	7.24	11		381		9		312		1.18		41		1.69	12.2				
12	Thu	4.0	7.34	7.20	11		363		11		356		0.58		20		11.6					
13	Fri	5.0	7.36	7.23	7		296		16		687		0.51		22		11.9					
14	Sat	3.5	7.50	7.37	5	9	153	327	5	10	150	394	0.39	0.69	12	27	11.6					
15	Sun	4.5	7.41	7.28	7		285		11		405		0.28		11		11.2					
16	Mon	3.9	7.59	7.34	8		250		9		300		0.18		6		11.5					
17	Tue	3.4	7.49	7.37	7		210		7		193		0.27		8		11.1					
18	Wed	4.5	7.43	7.25	6		242		9		351		0.37		14		1.95	11.9				
19	Thu	3.2	7.60	7.37	6		157		11		292		0.15		4		11.7					
20	Fri	3.9	7.61	7.22	7		228		9		306		0.42		14		11.4					
21	Sat	4.1	7.56	7.31	7	7	258	233	5	9	177	289	0.32	0.28	11	10	11.5					
22	Sun	3.1	7.70	7.49	8		195		7		182		0.19		5		11.5					
23	Mon	4.0	7.44	7.15	7		252		5		175		0.24		8		11.7					
24	Tue	4.5	7.50	7.19	8		314		10		364		0.30		12		12.0					
25	Wed	5.9	7.56	7.11	9		451		20		1037		0.33		17		1.48	11.5				
26	Thu	4.2	7.49	7.31	7		262		3		90		0.20		7		11.6					
27	Fri	3.3	7.71	7.38	6		159		17		466		0.40		11		11.8					
28	Sat	3.9	7.55	7.30	5	7	168	257	16	11	526	406	0.49	0.31	16	11	11.8					
29	Sun	3.8	7.54	7.33	6		202		10		321		0.20		6		12.1					
30	Mon	3.2	7.69	7.24	4		117		4		106		0.24		6		11.4			1.24	16	< 0.01
31	Tue	4.4	7.29	7.17	7		283		9		338		0.22		9		11.1			0.99	24	< 0.01
AVERAGE		4.0			7		260		9		333		0.38		14		1.78	12.1		1.12	20	
MAXIMUM		5.9	7.74		11	9	465	327	20	11	1037	406	1.20	0.69	56	27	1.98	13.8		1.24	24	
MINIMUM		3.0		7.11	4		117		3		90		0.15		4		1.48	11.1		0.99	16	
# OF DATA		31	31	31	31		31		31		31		31		31		4	31		2	2	2
TOTAL		125	233	227	231		8068		291		10317		12		427		7	375.0		2.23	40	

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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	Sun					18	0	264	6	2	77
2	Mon					21	0	269	6	2	77
3	Tue					22	0	270	6	2	79
4	Wed					23	0	271	6	2	79
5	Thu			27	27	21	0	265	6	2	78
6	Fri					22	0	267	6	2	84
7	Sat					27	0	267	6	2	80
8	Sun					21	0	250	6	2	79
9	Mon					23	0	261	6	2	79
10	Tue					25	0	265	6	2	79
11	Wed					21	0	261	6	2	80
12	Thu					21	0	259	6	2	85
13	Fri			20	20	20	0	258	6	2	79
14	Sat					21	0	257	6	2	80
15	Sun					22	0	255	6	2	81
16	Mon					22	0	254	6	2	80
17	Tue					23	0	253	6	2	81
18	Wed					21	0	260	6	2	80
19	Thu					22	0	255	6	2	79
20	Fri			14	20	23	0	255	6	2	79
21	Sat					21	0	260	6	2	78
22	Sun					20	0	253	6	2	79
23	Mon					22	0	251	6	2	82
24	Tue					22	0	256	6	2	81
25	Wed			14	41	33	0	251	6	2	78
26	Thu					22	0	254	6	2	81
27	Fri					20	0	245	6	2	81
28	Sat					21	0	248	6	2	84
29	Sun					21	0	247	6	2	71
30	Mon					22	0	244	6	2	84
31	Tue					25	0	253	6	2	80
AVERAGE				2	3	22		257	6	2	80
MAXIMUM				27	41	33		271	6	2	85
MINIMUM				14	20	18	0	244	6	2	71
# OF DATA				4	4	31	31	31	31	31	31
TOTAL				74	108	689		7976	187	70	2476

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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LaPorte Wastewater Treatment Plant

2101 Boyd Boulevard, La Porte IN 46350

Phone # (219)362-2354

		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	Sun								90				97	27				65			217		
2	Mon		3.33	81.0	6.41	2.09	64.5	7.02	90	1.17	58.0	6.95	97	27	4.07	61.9	7.03	12			249		32
3	Tue								90				97	16				6			249		
4	Wed								90				97	7				15			249		
5	Thu								90				97	31				53			249		
6	Fri								90				97	24				43			248		
7	Sat								90				97	26				49	0.20		248		
8	Sun								90				97	36				64	0.57		248		
9	Mon		3.86	79.9	6.53	1.43	62.3	7.07	90	1.19	61.3	6.96	97	45	3.62	63.0	7.03	19			273		26
10	Tue								90				97	28				44			261	12.0	
11	Wed								90				97	25				43			232	27.3	
12	Thu								90				97	35				65			202	28.6	
13	Fri								90				97	35				60			172	28.6	
14	Sat								90				97	33				55			151	19.8	
15	Sun								90				97	31				46			150	1.3	
16	Mon		3.36	77.7	6.15	1.97	60.2	6.99	90	1.48	60.6	6.90	97	39	3.48	62.6	7.03	9			188		49
17	Tue								90				97	15				0			191		
18	Wed								90				97	17				19			192		
19	Thu								90				97	29				56			193		
20	Fri								90				97	23				49	0.21		193		
21	Sat								90				97	20				47	0.18		193		
22	Sun								90				97	23				53			193		
23	Mon		1.69	82.9	6.28	1.40	64.6	7.19	90	1.23	61.3	7.02	97	35	3.43	60.0	7.04	30			216		22
24	Tue								90				97	28				55			216		
25	Wed								90				97	29				60			218		
26	Thu								90				97	40				64	0.30		217		
27	Fri								90				97	42				66			217		
28	Sat								90				97	35				57			218		
29	Sun								90				97	38				59			218		
30	Mon		3.70	84.1	6.66	2.10	64.4	7.05	90	1.62	68.2	6.95	97	28	3.36	60.0	7.06	13			242		25
31	Tue								90				97	16				11			241		
AVERAGE			3.19	81.1	6.41	1.80	63.2	7.06	90	1.34	61.9	6.96	97	29	3.59	61.5	7.04	42	0.29		217	3.8	5
MAXIMUM			3.86	84.1	6.66	2.10	64.6	7.19	90	1.62	68.2	7.02	97	45	4.07	63.0	7.06	66	0.57		273	28.6	49
MINIMUM			1.69	77.7	6.15	1.40	60.2	6.99	90	1.17	58.0	6.90	97	7	3.36	60.0	7.03	0	0.18		150		
# OF DATA			5	5	5	5	5	5	31	5	5	5	31	31	5	5	5	31	5	31	31	31	31
TOTAL			16	406	32	9	316	35	2797	7	309	35	3007	886	18	308	35	1288	1		6741	118	154

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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							
Site: Post Rake Room										Site: Post Disinfection							
Sample Characteristics		Cr	Cu	Pb	Ni	Zn	Cd	Ag	CN, Free	Cr	Cu	Pb	Ni	Zn	Cd	Ag	CN, Free
Sample Number		CO1118	CO1119	CO1114	CO1074	CO1094	CO1113	CO1079	CO0722	CO1118	CO1119	CO1114	CO1074	CO1094	CO1113	CO1079	CO0722
Sample Type	Permit Condition	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	GRAB	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour
	Monitored	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	GRAB	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour
Frequency	Permit Condition	4 X Annual	2 X Month	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	2 X Month	4 X Annual	Weekly	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	2 X Month
	Monitored	4 X Annual	2 X Month	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	2 X Month	4 X Annual	Weekly	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	2 X Month
Parameter Limits	Daily Maximum	NA	NA	NA	NA	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	NA	NA	NA	NA
1st Date:	March 4th, 2015	0.011	0.046	0.0013	0.009	0.060	< 0.0001	0.0006	< 0.002	0.002	0.020	0.0011	0.005	0.041	< 0.0001	0.0003	< 0.002
2nd Date:	March 11th, 2015	0.006	0.056	0.0029	0.008	0.099	< 0.0001	0.0009		< 0.001	0.015	< 0.001	0.004	0.039	< 0.0001	< 0.0002	
3rd Date:	March 18th, 2015	0.004	0.024	< 0.001	0.005	0.047	< 0.0001	0.0003	< 0.002	0.001	0.016	< 0.001	0.004	0.039	< 0.0001	0.0002	< 0.002
4th Date:	March 25th, 2015	0.013	0.049	0.0054	0.010	0.092	< 0.0001	0.0005		0.002	0.020	0.0011	0.005	0.044	< 0.0001	< 0.0002	
5th Date:																	
6th Date:																	
7th Date:																	
8th Date:																	
Number of times Limit Value exceeded:		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Average		0.009	0.044	0.0025	0.008	0.075	<0.00005	0.0006	<0.001	0.001	0.018	0.0008	0.004	0.041	<0.00005	0.0002	<0.001
Maximum		0.013	0.056	0.0054	0.010	0.099	<0.00010	0.0009	<0.002	0.002	0.020	0.0011	0.005	0.044	<0.00010	0.0003	<0.002

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 (Colonies /100mL)	Mnthly Av Escherichia Coliform (Colonies /100mL)
Limit	None	None	40	25	3338	2086	45	30	3755	2504	2.70	1.80	225	150	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	4.6	4.1	9	7	327	260	11	9	406	333	0.69	0.38	27	14	11.1	7.74		24	20
% of Limit	65%	59%	21%	30%	10%	12%	24%	31%	11%	13%	25%	21%	12%	9%	185%				
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: Mar-15
 LaPorte Wastewater Treatment Plant
 2101 Boyd Boulevard, La Porte IN 46350
 Phone # (219)362-2354

Page 6 of 6
 Permit # IN0025577
 Expires 12-31-2014
 Certified Operator : Jerry P Jack
 Certification Number : 11496

Total lbs Volatile Solids to Digester 4,796

Overall Percent Removal of Volatile Solids 62.8%

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 24790

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 444

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

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 762

Rotary Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 33

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

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

Monthly Removal Summary

Percent Removal :	CBOD	TSS	AMMONIA
Primary Treatment :	28%	41%	2%
Secondary Treatment :	79%	62%	23%
Adv. Sec. Treatment :	60%	61%	97%
Overall Treatment :	94%	91%	98%

Detention Time (Hours)	Maximum	Minimum	Average
Primary Settling Tank	4.3	2.0	3.0
Secondary Settling Tank	3.2	1.4	2.2
Final Settling Tank	9.9	4.5	6.8
Chlorine Contact Tank	0.68	0.31	0.47
Total Plant Retention Time	17.3	7.9	11.9

Surface Flow Rate			
Gallons per sq ft per Day	Maximum	Minimum	Average
Primary Settling Tank	777	356	517
Secondary Settling Tank	1026	470	683
Final Settling Tank	523	239	348

Weir OverFlow Rate			
1000 Gal per ft per Day	Maximum	Minimum	Average
Primary Settling Tank	15	7	10
Secondary Settling Tank	12	6	8
Final Settling Tank	12	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:

3/9/2015 - Successful test of emergency power system

3/23/2015 - 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, is 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: _____



**National Pollutant Discharge Elimination System (NPDES)
CSO Monthly Report of Operation (CSO MRO)**

State Form 50546 (R3 / 7-13)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

City:	La Porte	Page: 1 of 2	Permit Number: IN0025577
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Facility: La Porte Wastewater Treatment Facility	Public Notification Requirements Met? Y
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Monitoring Period: March 2015	Check box if no CSO discharge occurred for the month: <input checked="" type="checkbox"/> X
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Design Peak Inf. Flow(MGD) 9.7	Design Average Flow (MGD) 7.0	Measured/Metered (M) or Estimated (E) must be specified.
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WWTP Influent Data			Precipitation Data					CSO Outfall No. 002					CSO Outfall No.							
Day of Month	Avg Infl. Flow Rate (MGD)	Peak Infl. Flow Rate (MGD)	Time Precip. began (AM/PM)	Precip. Duration (HOURS)	Total Daily Precip. (inches)	Peak Intensity (Inch/Hr)	Measurement Interval (hr, 30min, 15min)	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	
1	4.02	6.08	0:23 PM	0.1	0.07	0.04	HR													
2	3.48	4.86			0.01	0.01	HR													
3	3.57	5.51	12:00 AM	0.0	0.02	0.01	HR													
4	3.91	5.04																		
5	2.85	3.39																		
6	3.74	5.18																		
7	4.87	9.06																		
8	3.49	6.24																		
9	5.90	9.98																		
10	5.63	9.36																		
11	4.15	6.67			0.01	0.01	HR													
12	4.07	6.87																		
13	5.15	6.29																		
14	3.59	4.57																		
15	4.63	5.81																		
16	3.99	5.55																		
17	3.55	5.28																		
18	4.68	5.41																		
19	3.18	3.93																		
20	4.08	6.17	12:00 AM	0.1	0.04	0.02	HR													
21	4.23	5.37																		
22	3.12	3.91																		
23	4.20	6.12	1:05 PM	0.3	0.16	0.05	HR													
24	4.60	6.52	11:25 AM	0.2	0.12	0.04	HR													
25	6.22	10.03	1:11 AM	0.5	0.33	0.14	HR													
26	4.31	5.30																		
27	3.28	4.20																		
28	3.94	5.33																		
29	3.85	5.00	12:00 AM	0.0	0.02	0.01	HR													
30	3.18	5.10																		
31	4.77	5.45																		
Totals:	128.22			1.10	0.78					0.0										

Typed or Printed Name and Title of Principal Executive Officer of Authorized Agent Jerry P Jackson, Superintendent	Telephone 219-362-2354
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I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHEMENTS WERE PREPARED UNDER MY DIRECTION OF 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 FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

Signature of Principal Executive Officer or Authorized Agent	Date 06/15/2015
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**National Pollutant Discharge Elimination System (NPDES)
CSO Monthly Report of Operation (CSO MRO)**

State Form 50546 (R3 / 7-13)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

City:	La Porte	Page: 2 of 2	Permit Number: IN0025577
Facility:	La Porte Wastewater Treatment Facility	Public Notification Requirements Met? Y	
Monitoring Period:	March 2015	Check box if no CSO discharge occurred for the month: X	
Design Peak Inf. Flow(MGD)	9.7	Design Average Flow (M	7.0

Day of Month	Comments (further explanation as to why each CSO event occurred)
1	
2	
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Typed or Printed Name and Title of Principal Executive Officer of Authorized Agent	Telephone
Jerry P Jackson, Superintendent	219-362-2354
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHEMENTS WERE PREPARED UNDER MY DIRECTION OF 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 FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	
Signature of Principal Executive Officer or Authorized Agent	Date
	06/15/2015