

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Aug-14
 LaPorte Wastewater Treatment Plant
 2101 Boyd Boulevard
 LaPorte IN, 46350
 Phone # (219)362-2354

Page 1 of 6
 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	Fri	4.3		0.04			0.00	7.55	99	112	17.20	7.39	82	75	18.40	7.35	13	35	14.50	4.7		2.1		0.58	5.8	0.36	
2	Sat	4.0		0.01			0.00	7.61	195	104	21.80	7.31	93	64	20.60	7.28	16	30	15.00	4.7		1.7		0.63	5.7	0.43	
3	Sun	4.0					0.00	7.48	119	94	13.50	7.41	69	76	15.10	7.38	11	30	11.70	4.7		1.7		0.62	5.5	0.39	
4	Mon	4.3		0.01			0.00	7.40	87	105	13.00	7.30	97	94	13.40	7.24	17	28	10.15	4.7		2.5		0.68	5.6	0.32	
5	Tue	5.5		0.11			0.00	7.47	80	148	9.04	7.40	64	278	11.90	7.35	16	60	9.49	4.8		2.5		0.33	8.5	0.56	
6	Wed	4.0					0.00	7.54	105	124	14.00	7.36	72	94	15.20	7.28	17	37	10.65	4.7		2.3		0.74	5.5	0.38	
7	Thu	3.8					0.00	7.47	122	118	16.10	7.34	73	72	17.85	7.28	11	30	12.10	4.7		2.3		0.85	4.8	0.28	
8	Fri	3.9		0.01			0.00	7.41	101	134	13.70	7.33	66	66	14.80	7.17	14	31	11.20	4.7	60	1.9		0.68	6.1	0.56	
9	Sat	3.5	4.1				0.00	7.47	110	96	14.60	7.45	76	68	16.40	7.45	18	29	11.40	4.7		1.7		0.82	5.1	0.45	
10	Sun	4.1					0.00	7.54	97	118	13.00	7.48	72	66	13.70	7.35	11	26	11.00	4.7		1.7		0.57	4.9	0.19	
11	Mon	7.5		0.59		7.4	0.00	7.25	48	114	6.43	7.15	53	154	7.15	7.10	15	54	5.88	6.5		3.0		0.27	9.4	0.25	80
12	Tue	8.9		1.75		17.3	0.00	7.27	25	43	3.98	7.16	43	116	6.51	7.03	15	46	5.18	7.1		3.6		0.21	11.4	0.28	
13	Wed	9.8		0.01		20.9	0.00	7.14	37	36	6.26	7.06	44	71	6.66	7.03	17	38	5.08	7.5		3.8		0.15	12.5	0.27	
14	Thu	9.6				14.8	0.00	7.23	36	32	7.76	7.08	35	66	8.48	6.86	15	31	6.30	7.5		3.3		0.12	11.2	0.16	
15	Fri	6.9		0.01		2.2	0.00	7.64	50	48	25.30	7.32	50	63	13.40	7.02	10	38	9.79	5.6		2.0		0.10	7.7	0.13	
16	Sat	5.2	7.4				0.00	7.40	65	48	12.80	7.24	58	50	13.80	7.13	14	21	9.09	4.8		1.8		0.28	7.3	0.40	
17	Sun	4.0					0.00	7.27	106	90	14.10	7.31	69	54	13.50	7.22	13	23	9.10	4.6		1.7		0.58	5.7	0.42	
18	Mon	4.5					0.00	7.34	125	206	22.90	7.30	68	80	19.70	7.20	19	38	12.70	4.6		2.1		0.52	5.7	0.29	
19	Tue	4.4		0.01			0.00	7.40	112	104	22.10	7.28	72	56	24.20	7.18	15	23	16.60	4.7		2.4		0.62	5.4	0.25	
20	Wed	4.3					0.00	7.41	93	70	14.50	7.27	79	46	16.30	7.16	25	23	9.77	4.7		2.4		0.63	6.3	0.44	
21	Thu	7.1		1.10		9.3	0.00	7.43	57	106	7.72	7.13	48	52	8.97	7.01	13	31	5.63	6.2		2.8		0.26	9.4	0.32	
22	Fri	9.6		0.13		17.3	0.00	7.26	32	42	6.14	7.03	25	47	6.58	6.88	7	31	4.38	7.3		3.6		0.14	12.2	0.27	
23	Sat	7.2	5.9	0.55		7.2	0.00	7.22	52	74	7.67	7.15	33	46	7.48	6.97	8	24	5.34	6.1		3.5		0.34	10.1	0.41	
24	Sun	7.1					0.00	7.26	38	52	7.71	7.21	60	40	8.64	7.12	11	32	5.83	5.6		2.5		0.15	9.3	0.31	
25	Mon	7.2		0.45		9.0	0.00	7.18	45	38	7.27	7.10	42	32	7.50	6.93	12	19	4.29	6.1		2.8		0.23	9.9	0.37	
26	Tue	8.2		0.05		5.0	0.00	7.26	37	52	7.99	7.13	36	42	8.89	7.00	11	17	5.26	7.3		2.9		0.25	10.8	0.33	
27	Wed	5.8		0.01		0.4	0.00	7.35	50	75	9.66	7.27	39	54	14.70	6.87	10	25	10.50	5.0		2.8		0.34	8.1	0.40	
28	Thu	4.2					0.00	7.53	88	68	37.30	7.20	60	40	20.00	7.05	11	13	10.60	4.7		3.2		0.87	5.2	0.23	
29	Fri	6.0		0.62		5.8	0.00	7.23	103	164	11.30	7.15	68	48	15.10	6.97	16	24	10.00	5.7		2.5	120	0.37	8.2	0.37	
30	Sat	5.4		0.02			0.00	7.37	58	36	9.21	7.24	53	28	9.10	7.06	13	10	4.08	4.8		2.1		0.28	8.0	0.48	
31	Sun	4.7		0.01			0.00	7.30	70	64	11.10	7.26	50	36	11.20	7.21	13	16	5.74	4.7		1.7		0.38	6.3	0.33	
AVERAGE		5.8		0.18		3.8	0.00	7.38	79	88	13.07	7.25	60	70	13.07	7.13	14	29	8.98	5.4	2	2.5	4	0.44	7.7	0.34	3
MAXIMUM		9.8	7.4	1.75		20.9	0.00	7.64	195	206	37.30	7.48	97	278	24.20	7.45	25	60	16.60	7.5	60	3.8	120	0.87	12.5	0.56	80
MINIMUM		3.5		0.00		0.0	0.00	7.14	25	32	3.98	7.03	25	28	6.51	6.86	7	10	4.08	4.6	60	1.7	120	0.10	4.8	0.13	80
# OF DATA		31		31		31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	1	31	1		31		1
TOTAL		179		5.49		117	0	229	2441	2715	405	225	1849	2174	405	221	429	912	278	168	60	77	120		238		80

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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	Fri	3.6	7.50	7.24	7		236		10		358		0.66		24		8.4		1.10	8	< 0.01
2	Sat	3.3	7.43	7.21	6		205		8		264		0.88		29		8.1		1.33	32	< 0.01
3	Sun	3.3	7.42	7.18	6		199		14		463		0.41		14		8.1		1.19	10	< 0.01
4	Mon	3.7	7.59	7.07	8		296		7		249		0.43		15		7.7		1.21	6	< 0.01
5	Tue	4.8	7.39	7.02	8		348		26		1167		0.36		16		7.7		1.38	43	< 0.01
6	Wed	3.3	7.45	7.24	6		200		13		434		0.43		14		7.5		1.47	3	< 0.01
7	Thu	3.1	7.52	7.01	8		235		11		329		0.40		13		8.1		1.18	6	< 0.01
8	Fri	3.3	7.41	7.11	9		296		7		230		0.53		17		8.2		1.27	46	< 0.01
9	Sat	3.0	7.83	6.88	7	7	204	254	10	12	296	453	0.38	0.42	11	14	8.5		1.33	13	< 0.01
10	Sun	3.3	7.70	7.04	6		191		7		239		0.50		17		8.3		1.19	22	< 0.01
11	Mon	6.2	7.41	6.67	8		480		24		1495		0.54		34		7.7		1.35	152	< 0.01
12	Tue	8.7	7.24	6.53	8		563		18		1333		0.55		41		7.5		1.19	45	< 0.01
13	Wed	9.1	6.78	6.42	8		616		21		1724		0.59		48		8.1		1.17	88	< 0.01
14	Thu	7.8	7.00	6.61	9		691		13		1004		0.81		65		7.9		1.20	164	< 0.01
15	Fri	5.5	7.04	6.73	4		246		16		915		0.70		40		7.9		1.14	116	< 0.01
16	Sat	4.3	7.34	6.79	6	7	265	436	6	15	261	996	0.59	0.61	26	39	7.9		1.05	138	< 0.01
17	Sun	3.3	7.38	7.05	7		231		8		252		0.54		18		7.8		1.06	4	< 0.01
18	Mon	3.6	7.48	6.96	7		245		17		631		0.75		28		7.8		1.15	33	< 0.01
19	Tue	3.5	7.21	6.93	8		283		7		236		1.05		38		7.8		1.17	39	< 0.01
20	Wed	3.6	7.39	7.16	11		409		8		289		0.77		28		8.1		1.05	70	< 0.01
21	Thu	5.9	7.12	6.70	8		465		14		834		0.44		26		8.0		1.14	59	< 0.01
22	Fri	8.0	6.97	6.51	6		504		14		1121		0.41		33		7.7		1.33	24	< 0.01
23	Sat	6.0	7.19	6.81	5	7	269	344	10	11	597	566	0.36	0.62	22	27	7.8		1.24	4	< 0.01
24	Sun	6.0	7.33	6.67	4		207		15		887		0.35		21		7.9		1.28	31	< 0.01
25	Mon	5.9	7.20	6.75	6		337		8		481		0.29		17		8.1		1.26	53	< 0.01
26	Tue	6.8	7.09	6.77	5		320		10		680		0.38		26		7.9		1.29	37	< 0.01
27	Wed	4.8	7.00	6.79	6		308		4		193		0.93		45		8.1		1.21	8	< 0.01
28	Thu	3.5	7.15	6.91	5		165		4		123		0.61		21		8.1		1.29	6	< 0.01
29	Fri	4.9	7.19	6.70	7		336		10		501		1.21		61		8.1		1.45	64	< 0.01
30	Sat	4.5	7.20	6.93	5		212		2		90		0.42		19		8.2		1.27	11	< 0.01
31	Sun	3.8	7.44	7.07	6		227		3		117		0.27		11		8.2		1.16	19	< 0.01
AVERAGE		4.8			7		316		11		574		0.57		27		8.0		1.23	25	< 0.01
MAXIMUM		9.1	7.83		11	7	691	436	26	15	1724	996	1.21	0.62	65	39	8.5		1.47	164	< 0.01
MINIMUM		3.0		6.42	4		165		2		90		0.27		11		7.5		1.05	3	< 0.01
# OF DATA		31	31	31	31		31		31		31		31		31		31		31	31	31
TOTAL		150	226	213	205		9787		342		17794		18		837		247.2		38.10	1354	< 0.01

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2101 Boyd Boulevard
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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	Fri	100	20	20	20	26	0	277	6	2	84		
2	Sat	70	50			26	0	273	6	2	81		
3	Sun	80	90			30	0	268	6	2	80		
4	Mon	90	60			25	0	263	6	2	79		
5	Tue	120	100			27	0	282	6	2	84		
6	Wed	80	80			27	0	293	6	2	79		
7	Thu	60	60			25	0	286	6	2	79		
8	Fri	80	60	20	27	21	0	277	6	2	86		
9	Sat	60	60			23	0	288	6	2	83		
10	Sun	80	60			23	0	288	6	2	80		
11	Mon	140	140			30	0	283	6	2	84		
12	Tue	200	140			35	0	292	6	2	92		
13	Wed	180	180	27	20	23	0	286	6	2	80		
14	Thu	180	160			22	0	283	6	2	82		
15	Fri	120	120			21	0	291	6	2	80		
16	Sat	100	80			24	0	294	6	2	85		
17	Sun	60	60			23	0	289	6	2	86		
18	Mon	80	80			26	0	278	6	2	81		
19	Tue	80	70			25	0	269	6	2	82		
20	Wed	90	70			29	0	257	6	2	81		
21	Thu	150	120			40	0	256	6	2	80		
22	Fri	200	110	27	41	38	0	258	6	2	80		
23	Sat	150	190			33	0	269	6	2	80		
24	Sun	150	120			28	0	270	6	2	80		
25	Mon	140	120			35	0	273	6	2	80		
26	Tue	160	140			33	0	269	4	2	81		
27	Wed	140	100			23	0	279	6	2	80		
28	Thu	70	60	20	20	23	0	284	6	2	79		
29	Fri	130	100			31	0	277	6	2	79		
30	Sat	120	120			27	0	269	6	2	93		
31	Sun	110	80			22	0	261	6	2	80		
AVERAGE		115	97	4	4	27		277	6	2	82		
MAXIMUM		200	190	27	41	40		294	6	2	93		
MINIMUM		60	20	20	20	21	0	256	4	2	79		
# OF DATA		31	31	5	5	31	31	31	31	31	31		
TOTAL		3570	3000	115	128	846		8580	185	70	2539		

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	Fri								91				97	26				48	0.13		270	32.6	
2	Sat								91				97	14				31	2.70		270	19.8	
3	Sun								91				97	28				52			269		
4	Mon		2.67	66.9	6.62	2.20	56.9	7.16	91	2.55	57.8	7.01	97	38	4.17	56.6	7.01	7			298		29
5	Tue								91				97	27				57	1.99		298		
6	Wed								91				97	32				55	2.88		298		
7	Thu								91				97	27				56	0.12		297		
8	Fri								91				97	37				34	2.40		315		19
9	Sat								91				97	18				39			315		
10	Sun								91				97	15				29	2.59		315		
11	Mon		3.13	69.2	6.72	2.53	54.7	7.02	91	2.34	59.7	6.99	97	32	3.83	56.2	7.08	15			342		26
12	Tue								91				97	39				90			342		
13	Wed								91				97	13				36			349	0.0	
14	Thu								91				97	35				70			329	17.7	
15	Fri								91				97	22				43			307	19.9	
16	Sat								91				97	26				53			306		
17	Sun								91				97	25				44			306		
18	Mon		3.41	60.3	6.70	2.27	57.3	7.19	91	2.51	58.3	7.12	97	26	3.72	57.7	7.10	26			326	28.7	20
19	Tue								92				97	16				38			325	40.8	
20	Wed								92				97	28				12			350	2.3	25
21	Thu								92				97	44				31			369		26
22	Fri								92				97	54				49			369		31
23	Sat								92				97	18				35			370		
24	Sun								92				97	29				62	1.61		370		
25	Mon		3.62	63.3	6.23	2.84	56.1	7.02	92	2.42	58.7	6.89	97	33	3.83	59.1	6.91	12			371		34
26	Tue								92				97	38				53			361	9.4	17
27	Wed								92				97	24				17			360		25
28	Thu								92				97	31				12			360		31
29	Fri								92				97	26				10			361		22
30	Sat								92				97	9				15			360		
31	Sun								92				97	20				51			361		
AVERAGE			3.21	64.9	6.57	2.46	56.3	7.10	92	2.46	58.6	7.00	97	27	3.89	57.4	7.03	38	1.80		330	5.5	10
MAXIMUM			3.62	69.2	6.72	2.84	57.3	7.19	92	2.55	59.7	7.12	97	54	4.17	59.1	7.10	90	2.88		371	40.8	34
MINIMUM			2.67	60.3	6.23	2.20	54.7	7.02	91	2.34	57.8	6.89	97	9	3.72	56.2	6.91	7	0.12		269		
# OF DATA			4	4	4	4	4	4	31	4	4	4	31	31	4	4	4	31	8	31	31	31	31
TOTAL			13	260	26	10	225	28	2837	10	235	28	3005	851	16	230	28	1180	14		10242	171	306

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Page 5 of 6

Date: Aug-14

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 13th	<0.005	0.022	<0.005	0.006	0.040		<0.005	0.020	<0.005	<0.005	0.037			
2nd Date :	August 27th	<0.005	0.032	<0.005	<0.005	0.049	<0.003	<0.005	0.014	<0.005	<0.005	0.019	<0.003		
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		<0.003	0.027	<0.003	0.004	0.045	<0.002	<0.003	0.017	<0.003	<0.003	0.028	<0.002		
Maximum		<0.005	0.032	<0.005	0.006	0.049	<0.003	<0.005	0.020	<0.005	<0.005	0.037	<0.003		

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	7.4	5.8	7	7	436	316	15	11	996	574	0.62	0.57	39	27	7.5	7.83	< 0.01	164	25
% of Limit	106%	82%	24%	33%	17%	19%	41%	46%	33%	29%	26%	35%	19%	20%	125%				
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: Aug-14
 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 Jackson
 Certification Number : 11496

Total lbs Volatile Solids to Digester 4,740

Overall Percent Removal of Volatile Solids 27.2%

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 22,286

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 513

Fixed Bed Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 57

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 996

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) 4

Monthly Removal Summary

Percent Removal :	CBOD	TSS	AMMONIA
Primary Treatment :	24%	20%	-0%
Secondary Treatment :	77%	58%	31%
Adv. Sec. Treatment :	52%	62%	94%
Overall Treatment :	92%	87%	96%

Detention Time (Hours)	Maximum	Minimum	Average
Primary Settling Tank	3.4	1.2	2.1
Secondary Settling Tank	2.5	0.9	1.6
Final Settling Tank	7.9	2.9	4.9
Chlorine Contact Tank	0.55	0.20	0.34
Total Plant Retention Time	13.9	5.0	8.5

Surface Flow Rate			
Gallons per sq ft per Day	Maximum	Minimum	Average
Primary Settling Tank	1231	443	721
Secondary Settling Tank	1625	585	952
Final Settling Tank	828	298	485

Weir OverFlow Rate			
1000 Gal per ft per Day	Maximum	Minimum	Average
Primary Settling Tank	24	9	14
Secondary Settling Tank	19	7	11
Final Settling Tank	19	7	11

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:

August 12, 9:30 am to August 13, 8:40 am - WWTP operated in high flow mode in response to 2.34 inches of rain. Stored wet weather flows from CSO basin returned to biotowers for treatment. No CSO occurred.

August 11, 25 - 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 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: _____



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																
Facility: La Porte Wastewater Treatment Facility		Public Notification Requirements Met? Y																		
Monitoring Period: August 2014		Check box if no CSO discharge occurred for the month: <input checked="" type="checkbox"/>			X															
Design Peak Inf. Flow(MGD) 9.7		Design Average Flow (MGD) 7.0		Measured/Metered (M) or Estimated (E) must be specified.																
WWTP Influent Data		Precipitation Data			CSO Outfall No. 002															
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	4.29	6.76	12:00 AM	0.1	0.04	0.02	HR													
2	3.96	5.51			0.01	0.01	HR													
3	3.97	5.75																		
4	4.27	5.67			0.01	0.01	HR													
5	5.49	9.02	1:31 AM	0.2	0.11	0.07	HR													
6	4.00	6.01																		
7	3.76	5.57																		
8	3.94	5.52			0.01	0.01	HR													
9	3.55	5.40																		
10	4.10	5.80																		
11	7.47	10.13	6:53 AM	0.8	0.59	0.42	HR													
12	8.88	10.09	5:57 AM	1.0	1.75	0.75	HR													
13	9.84	10.12			0.01	0.01	HR													
14	9.63	10.15																		
15	6.86	10.07			0.01	0.01	HR													
16	5.21	9.55																		
17	4.02	5.81																		
18	4.45	6.23																		
19	4.35	5.90			0.01	0.01	HR													
20	4.34	6.28																		
21	7.14	10.09	4:32 AM	1.1	1.10	0.73	HR													
22	9.60	10.13	3:25 AM	0.2	0.13	0.06	HR													
23	7.16	10.15	4:09 PM	0.5	0.55	0.52	HR													
24	7.09	9.98																		
25	7.21	10.10	2:23 PM	0.3	0.45	0.40	HR													
26	8.16	10.09	0:51 PM	0.1	0.05	0.03	HR													
27	5.77	9.65			0.01	0.00	HR													
28	4.22	6.12																		
29	6.01	10.11	11:20 AM	0.5	0.62	0.45	HR													
30	5.40	9.55	12:00 AM	0.0	0.02	0.01	HR													
31	4.69	8.21			0.01	0.01	HR													
Totals:		178.82		4.75	5.49					0.0										
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							
													12/03/2014							



**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:	August 2014	Check box if no CSO discharge occurred for the month: X	
Design Peak Inf. Flow(MGD)	9.7	Design Average Flow (MGD)	7.0

Day of Month	Comments (further explanation as to why each CSO event occurred)
1	
2	
3	
4	
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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
	12/03/2014