

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: May-2015
 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	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	Fri	3.1					0.0	7.60	255	186	29.3		7.47	151	78	26.1		7.22	19	33	16.3		4.6		1.8		1.08	4.9	0.59	
2	Sat	4.1					0.0	7.61	99	68	12.1		7.39	84	56	15.0		7.17	20	33	10.3		4.6		1.8		0.57	6.1	0.51	
3	Sun	3.3					0.0	7.64	113	120	17.7		7.41	70	46	17.3		7.20	12	18	9.1		4.5		2.1		0.99	3.9	0.17	
4	Mon	3.0		0.08			0.0	7.53	235	190	24.8		7.42	116	84	31.6		7.17	23	28	17.5		4.5		2.3		1.22	4.9	0.62	
5	Tue	8.3		0.68		12.0	0.0	7.41	82	142	6.7		7.32	73	138	13.1		7.13	20	69	9.1		6.6		3.5		0.22	11.0	0.33	
6	Wed	4.5					0.0	7.57	77	70	14.3	5.02	7.45	60	66	14.0	2.50	7.16	13	39	9.7	2.50	4.6		2.3		0.52	7.1	0.59	
7	Thu	3.3					0.0	7.50	145	80	18.4		7.36	84	58	19.1		7.21	11	29	11.2		4.6		1.9		1.00	5.2	0.57	
8	Fri	5.2		0.81		7.5	0.0	7.58	109	178	12.7		7.38	80	104	14.3		7.17	20	45	10.4		5.5		2.4	90	0.53	7.1	0.38	
9	Sat	9.6	5.3	0.41		14.4	0.0	7.38	46	32	6.4		7.25	47	86	8.1		7.15	14	50	6.0		7.2		3.8		0.15	12.4	0.29	
10	Sun	6.7		0.28		2.5	0.0	7.40	55	66	7.5		7.30	50	124	9.8		7.10	13	52	6.0		5.6		3.7		0.40	10.0	0.51	
11	Mon	6.1		0.23		4.3	0.0	7.42	73	89	12.3		7.34	54	66	15.0		7.19	12	37	6.1		5.7		3.6		0.52	8.4	0.38	120
12	Tue	4.8					0.0	7.58	72	128	13.7		7.44	62	60	16.4		7.30	12	34	9.3		4.6	90	2.8		0.53	7.6	0.57	
13	Wed	3.1					0.0	7.66	133	119	25.7	3.78	7.55	81	60	23.6	3.26	7.32	15	27	18.5	2.50	4.7		2.3		1.21	5.0	0.59	
14	Thu	3.3		0.01			0.0	7.68	114	92	24.0		7.46	79	64	29.5		7.24	17	29	18.1		4.7		2.0		1.04	4.5	0.36	
15	Fri	4.8		0.05			0.0	7.77	103	88	11.7		7.46	72	78	19.1		7.32	18	45	15.4		4.7		1.8		0.34	7.5	0.55	
16	Sat	3.5	4.6	0.05			0.0	7.43	127	120	16.3		7.30	89	60	16.6		7.21	16	29	10.3		4.7		1.8		0.88	5.4	0.58	
17	Sun	3.5					0.0	7.56	123	82	16.9		7.41	73	50	16.5		7.28	15	28	8.9		4.6		2.1		0.93	5.0	0.42	
18	Mon	4.5					0.0	7.51	90	98	15.5		7.36	67	60	21.2		7.22	14	30	11.1		4.6		2.3		0.52	6.8	0.50	
19	Tue	3.1					0.0	7.52	180	198	46.4		7.35	78	58	25.6		7.29	16	23	13.0		4.6		2.3		1.27	4.9	0.61	
20	Wed	3.2		0.06			0.0	7.64	200	97	28.7	3.08	7.49	83	54	32.9	2.85	7.31	19	20	14.4	2.43	4.6		2.3		1.13	4.4	0.34	
21	Thu	4.1					0.0	7.58	87	76	20.8		7.43	64	54	19.3		7.25	15	30	22.7		4.6		3.3	180	0.95	7.0	0.72	
22	Fri	3.6					0.0	7.62	195	110	30.0		7.38	82	54	29.1		7.25	16	30	12.6		4.6		2.5		0.99	5.2	0.45	
23	Sat	2.9	3.6				0.0	7.45	116	100	24.9		7.37	98	52	26.6		7.23	20	20	11.6		4.6		1.8		1.20	4.3	0.48	
24	Sun	3.6					0.0	7.42	92	72	18.1		7.31	69	64	25.1		7.20	18	27	12.8		4.6		2.1		0.89	5.8	0.64	
25	Mon	4.0		0.15			0.0	7.51	119	148	18.7		7.45	43	46	13.5		7.31	21	34	9.9		4.6		2.3		0.70	5.8	0.43	
26	Tue	3.8		0.04		1.2	0.0	7.68	132	126	19.5		7.51	93	66	21.9		7.29	21	26	9.6		4.8		2.9		1.02	5.3	0.38	
27	Wed	4.5					0.0	7.64	83	74	12.7	2.30	7.50	63	66	16.6	2.98	7.22	16	29	8.7	2.36	4.6		2.3		0.54	6.8	0.51	
28	Thu	2.9					0.0	7.58	165	126	20.4		7.41	78	72	24.0		7.11	17	26	11.2		4.6		2.0		1.25	4.9	0.67	
29	Fri	3.9		0.12		2.3	0.0	7.63	145	154	14.8		7.46	103	105	17.5		7.28	16	33	10.5		4.9		2.1	90	0.78	5.4	0.38	
30	Sat	6.8	4.2	1.14		8.2	0.0	7.58	38	86	11.6		7.48	48	94	11.5		7.24	12	41	5.8		5.7		3.3		0.32	9.3	0.36	
31	Sun	9.5		0.17		11.3	0.0	7.60	23	22	13.7		7.47	31	116	18.7		7.29	12	54	13.7		7.2		3.7		0.15	12.2	0.28	
AVERAGE		4.5		0.14		2.1	0.0	7.56	117	108	18.3	3.55	7.41	75	72	19.6	2.90	7.23	16	34	11.6	2.45	5.0	3	2.5	12	0.77	6.6	0.48	4
MAXIMUM		9.6	5.3	1.14		14.4	0.0	7.77	255	198	46.4	5.02	7.55	151	138	32.9	3.26	7.32	23	69	22.7	2.50	7.2	90	3.8	180	1.27	12.4	0.72	120
MINIMUM		2.9		0.00		0.0	0.0	7.38	23	22	6.4	2.30	7.25	31	46	8.1	2.50	7.10	11	18	5.8	2.36	4.5	90	1.8	90	0.15	3.9	0.17	120
# OF DATA		31		31		31	31	31	31	31	4	4	31	31	31	31	4	31	31	31	31	4	31	1	31	3		31		1
TOTAL		141		4.28		64	0	234	3624	3337	566	14	230	2326	2239	608	12	224	500	1046	360	10	155	90	77	360		204		120

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Permit # IN0025577
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 Certified Operator : Jerry P Jackson
 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	Fri	3.1	7.57	7.44	6		147		15		388		0.17		4			10.1		0.89	0	< 0.01
2	Sat	3.9	7.64	7.40	10		328		19		643		0.19		6			9.6		1.21	6	< 0.01
3	Sun	3.2	7.62	7.42	7		202		17		456		0.12		3			9.6		1.17	1	< 0.01
4	Mon	2.9	7.44	7.38	7		185		7		177		0.19		5			9.7		1.22	1	< 0.01
5	Tue	7.3	7.41	7.06	12		843		53		3664		0.76		53			9.1		1.16	306	< 0.01
6	Wed	4.3	7.50	7.24	8		292		18		673		0.22		8		2.07	9.2		1.20	2	< 0.01
7	Thu	3.2	7.56	7.31	6		159		11		287		0.20		5			9.2		1.15	1	< 0.01
8	Fri	4.8	7.46	7.11	12		531		21		906		0.43		19			9.2		1.20	0	< 0.01
9	Sat	8.7	7.28	7.03	10	9	803	430	36	23	2890	1293	0.42	0.33	34	18		9.0		1.20	3	< 0.01
10	Sun	6.3	7.33	7.25	9		501		32		1780		0.24		13			9.4		0.88	24	< 0.01
11	Mon	5.7	7.41	6.96	11		544		18		915		0.51		26			9.2		1.26	4	< 0.01
12	Tue	4.6	7.41	7.23	7		273		12		461		0.27		11			9.6		1.21	1	< 0.01
13	Wed	3.1	7.53	7.29	6		162		10		262		0.31		8		1.91	9.6		1.29	2	< 0.01
14	Thu	3.2	7.62	7.35	7		196		15		395		0.41		11			9.5		1.17	0	< 0.01
15	Fri	4.6	7.44	7.19	14		576		28		1127		0.42		17			9.5		1.29	34	< 0.01
16	Sat	3.3	7.51	7.27	11	9	308	366	13	18	374	759	0.18	0.33	5	13		9.2		1.20	2	< 0.01
17	Sun	3.4	7.69	7.27	7		205		9		263		0.14		4			9.1		1.09	1	< 0.01
18	Mon	4.2	7.58	7.31	7		246		17		644		0.16		6			9.1		1.03	1	< 0.01
19	Tue	3.0	7.43	7.28	11		268		13		319		0.19		5			9.3		1.03	1	< 0.01
20	Wed	3.1	7.48	7.29	11		295		8		217		0.37		10		2.33	10.0		1.14	3	< 0.01
21	Thu	3.9	7.50	7.34	8		265		11		373		0.30		10			10.0		1.44	3	< 0.01
22	Fri	3.5	7.57	7.40	5		153		8		239		0.23		7			9.8		1.22	0	< 0.01
23	Sat	2.9	7.53	7.31	7	8	170	229	5	10	123	311	0.46	0.26	11	8		9.5		1.08	0	< 0.01
24	Sun	3.4	7.49	7.34	9		276		11		311		0.18		5			9.3		1.28	0	< 0.01
25	Mon	3.8	7.65	7.27	14		461		13		438		0.12		4			9.1		1.21	3	< 0.01
26	Tue	3.5	7.68	7.50	10		325		9		287		0.35		11			8.6		1.22	1	< 0.01
27	Wed	4.2	7.59	7.40	5		189		10		377		0.28		11		2.39	9.0		1.06	20	< 0.01
28	Thu	2.9	7.62	7.41	9		229		13		320		0.20		5			9.0		1.18	1	< 0.01
29	Fri	3.6	7.64	7.47	6		207		14		459		0.23		8			8.9		1.17	1	< 0.01
30	Sat	6.2	7.44	7.19	8	9	479	309	22	13	1256	493	0.23	0.23	13	8		8.9		1.17	6	< 0.01
31	Sun	8.5	7.42	6.90	8		651		28		2185		1.11		88			9.6		1.19	8	< 0.01
AVERAGE		4.3			9		338		17		749		0.31		14		2.18	9.4		1.17	3	< 0.01
MAXIMUM		8.7	7.69		14	9	843	430	53	23	3664	1293	1.11	0.33	88	18	2.39	10.1		1.44	306	< 0.01
MINIMUM		2.9		6.90	5		147		5		123		0.12		3		1.91	8.6		0.88	0	< 0.01
# OF DATA		31	31	31	31		31		31		31		31		31		4	31		31	31	31
TOTAL		132	233	226	268		10466		513		23208		10		427		9	289.9		36.21	436	< 0.01

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LaPorte Wastewater Treatment Plant
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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	60	60			24	0	270	6	2	88
2	Sat	90	60			25	0	276	6	2	87
3	Sun	70	60			25	0	271	6	2	88
4	Mon	80	60			24	0	267	6	2	87
5	Tue	180	170			40	0	268	6	2	88
6	Wed	90	70	34	27	29	0	275	6	2	85
7	Thu	70	60			30	0	259	6	2	87
8	Fri	100	100			33	0	256	6	2	87
9	Sat	200	220			47	0	260	6	2	87
10	Sun	140	130			35	0	267	6	2	87
11	Mon	160	130	34	27	41	0	274	6	2	86
12	Tue	100	100			29	0	283	6	2	90
13	Wed	80	60			26	0	276	6	2	90
14	Thu	60	60	27	41	26	0	273	6	2	87
15	Fri	100	80			29	0	281	6	2	86
16	Sat	80	60			31	0	271	6	2	85
17	Sun	70	60			29	0	265	6	2	85
18	Mon	110	100			27	0	268	6	2	84
19	Tue	10	80			24	0	259	6	2	94
20	Wed	60	80			25	0	259	6	2	88
21	Thu	100	70			28	0	265	6	2	86
22	Fri	80	70	27	20	27	0	265	6	2	87
23	Sat	70	40			28	0	264	6	2	86
24	Sun	80	70			33	0	265	6	2	86
25	Mon	110	70			33	0	276	6	2	85
26	Tue	100	80			38	0	278	6	2	87
27	Wed	80	100			38	0	285	6	2	84
28	Thu	100	40			28	0	279	6	2	86
29	Fri	60	80			33	0	277	6	2	85
30	Sat	160	140			49	0	273	6	2	82
31	Sun	210	190			41	0	274	6	2	84
AVERAGE		99	89	4	4	31		270	6	2	86
MAXIMUM		210	220	34	41	49		285	6	2	94
MINIMUM		10	40	27	20	24	0	256	6	2	82
# OF DATA		31	31	4	4	31	31	31	31	31	31
TOTAL		3060	2750	122	115	976		8380	186	70	2681

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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Certified Operator : Jerry P Jackson

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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								93				97	21				56	0.18				
2	Sat								93				97	18				42					
3	Sun								93				97	29				55	0.12				
4	Mon		3.14	83.3	6.09	2.24	62.1	6.98	93	1.60	64.3	6.85	97	24	3.62	59.6	6.98	54	1.25				
5	Tue								94				97	45				89					
6	Wed								94				97	34				12					28
7	Thu								94				97	28				56					
8	Fri								94				97	33				64					
9	Sat								94				97	64				109					
10	Sun								94				97	41				77					
11	Mon		3.57	73.7	6.56	2.21	62.1	7.05	94	2.14	63.7	6.90	97	48	3.49	60.3	6.97	18					37
12	Tue								94				97	17				34	0.65				
13	Wed								94				97	24				51	0.29				
14	Thu								94				97	40				62					
15	Fri								94				97	44				94					
16	Sat								94				97	34				66	0.78				
17	Sun								94				97	34				53	2.19				
18	Mon		3.14	76.0	6.43	1.53	63.1	6.99	94	2.10	70.1	6.77	97	42	3.37	58.9	6.99	28			21		26
19	Tue								94				97	20				49			21		
20	Wed								93				96	20				51			21		
21	Thu								94				97	21				51	0.19		20		
22	Fri								94				97	17				32			20		
23	Sat								94				97	41				74			19		
24	Sun								94				97	50				88			19		
25	Mon		3.09	84.0	6.25	2.50	59.9	7.06	94	2.04	59.4	7.00	97	45	3.80	59.7	7.01	22			52		36
26	Tue								94				97	28				41			52		
27	Wed								94				97	39				62			52		
28	Thu								94				97	40				75			51		
29	Fri								94				97	37				62	0.20		51		
30	Sat								94				97	58				79	0.13		55		
31	Sun								94				97	67				117	0.47		55	0.0	
AVERAGE			3.24	79.3	6.33	2.12	61.8	7.02	94	1.97	64.4	6.88	97	36	3.57	59.6	6.99	59	0.59		16	0.0	4
MAXIMUM			3.57	84.0	6.56	2.50	63.1	7.06	94	2.14	70.1	7.00	97	67	3.80	60.3	7.01	117	2.19		55	0.0	37
MINIMUM			3.09	73.7	6.09	1.53	59.9	6.98	93	1.60	59.4	6.77	96	17	3.37	58.9	6.97	12	0.12				
# OF DATA			4	4	4	4	4	4	31	4	4	4	31	31	4	4	4	31	11	31	31	31	31
TOTAL			13	317	25	8	247	28	2907	8	258	28	3009	1103	14	239	28	1824	6		507	0	126

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Page 5 of 6

Date: May-2015
 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 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 : May 6th		0.003	0.036	0.0011	0.004	0.056	<0.0001	0.0004		0.002	0.018	0.0011	0.004	0.038	<0.0001	0.0003	
2nd Date : May 13th		0.013	0.046	0.0011	0.012	0.074	<0.0001	0.0014	<0.002	0.002	0.015	<0.0010	0.005	0.040	<0.0001	<0.0002	<0.002
3rd Date : May 20th		0.015	0.054	0.0019	0.014	0.066	<0.0001	0.0008		0.001	0.017	<0.0010	0.005	0.035	<0.0001	0.0003	
4th Date : May 27th		0.006	0.035	0.0018	0.006	0.051	<0.0001	0.0012	<0.002	0.002	0.018	<0.0010	0.005	0.039	<0.0001	<0.0002	0.0020
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	0.043	0.0015	0.009	0.062	<0.00005	0.0009	<0.001	0.002	0.017	0.0007	0.005	0.038	<0.00005	0.0002	0.0015
Maximum		0.015	0.054	0.0019	0.014	0.074	<0.00010	0.0014	<0.002	0.002	0.018	0.0011	0.005	0.040	<0.00010	0.0003	0.0020

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	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	5.3	4.5	9	9	430	338	23	17	1293	749	0.33	0.31	18	14	8.6	7.69	< 0.01	306	3
% of Limit	76%	65%	31%	43%	17%	20%	64%	69%	43%	37%	14%	19%	9%	10%	143%				
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-2015
 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. Jacks
 Certification Number : 11496

Total lbs Volatile Solids to Digester 6,731

Monthly Removal Summary

Overall Percent Removal of Volatile Solids 61.3%

Percent Removal :	CBOD	TSS	AMMONIA
Primary Treatment :	36%	33%	-7%
Secondary Treatment :	79%	53%	41%
Adv. Sec. Treatment :	46%	51%	97%
Overall Treatment :	93%	85%	98%

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

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 26042

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 473

Detention Time (Hours)	Maximum	Minimum	Average
Primary Settling Tank	4.1	1.3	2.7
Secondary Settling Tank	3.0	0.9	2.0
Final Settling Tank	9.5	2.9	6.2
Chlorine Contact Tank	0.66	0.20	0.43
Total Plant Retention Time	16.7	5.1	10.9

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

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 856

Rotary Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 31

Surface Flow Rate			
Gallons per sq ft per Day	Maximum	Minimum	Average
Primary Settling Tank	1203	368	568
Secondary Settling Tank	1588	486	749
Final Settling Tank	809	248	382

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

Weir OverFlow Rate			
1000 Gal per ft per Day	Maximum	Minimum	Average
Primary Settling Tank	23	7	11
Secondary Settling Tank	19	6	9
Final Settling Tank	18	6	9

Monthly Comments Concerning Plant Operation:

5/4/205 - Successful test of emergency power system
 5/18/205 - Successful test of emergency power system
 5/31/205 - Loss of utility power, on emergency power for 1.8 hours

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 fine 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:	May 2015	Check box if no CSO discharge occurred for the month:	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	3.10	3.98																		
2	4.06	5.02																		
3	3.31	4.68																		
4	3.03	4.10	8:06 AM	0.1	0.08	0.06	HR													
5	8.29	10.12	3:11 AM	1.0	0.68	0.26	HR													
6	4.48	9.31																		
7	3.28	5.08																		
8	5.17	10.04	3:40 PM	0.6	0.81	0.62	HR													
9	9.62	10.17	12:17 AM	0.6	0.41	0.23	HR													
10	6.67	10.11	2:14 AM	0.4	0.28	0.10	HR													
11	6.10	10.08	9:37 AM	0.4	0.23	0.11	HR													
12	4.81	5.61																		
13	3.14	5.18																		
14	3.27	5.41			0.01	0.01	HR													
15	4.83	5.80	12:00 AM	0.1	0.05	0.02	HR													
16	3.45	5.20	4:35 AM	0.1	0.05	0.05	HR													
17	3.51	6.13																		
18	4.54	5.36																		
19	3.06	3.81																		
20	3.25	4.24	7:19 PM	0.1	0.06	0.04	HR													
21	4.07	5.14																		
22	3.59	5.14																		
23	2.95	3.53																		
24	3.55	5.81																		
25	4.04	5.65	7:25 AM	0.2	0.15	0.07	HR													
26	3.82	9.61	1:34 PM	0.1	0.04	0.04	HR													
27	4.52	5.59																		
28	2.95	3.63																		
29	3.93	9.88	8:12 PM	0.2	0.12	0.10	HR													
30	6.84	10.05	5:00 AM	1.7	1.14	0.21	HR													
31	9.53	10.13	12:00 AM	0.3	0.17	0.10	HR													
Totals:	140.75			5.70	4.28							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
	03/21/2016



**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:	May 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	
3	
4	
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31	

Typed or Printed Name and Title of Principal Executive Officer of Authorized Agent	Telephone
Jerry P Jackson, Superintendent	219-362-2354
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Signature of Principal Executive Officer or Authorized Agent	Date
	03/21/2016