

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Aug-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 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 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	Sat	3.9					0.0	7.66	105	80	12.6	2.01	7.51	71	58	13.5	2.18	7.32	20	22	7.5	1.89	4.7		1.8		0.69	5.6	0.43	
2	Sun	4.8		0.38			0.0	7.70	92	88	10.2	1.28	7.56	59	46	10.5	2.18	7.34	26	21	5.5	1.89	4.7		2.2		0.44	6.8	0.43	
3	Mon	8.0		0.05		5.1	0.0	7.84	43	83	5.0	1.28	7.52	40	90	6.0	1.95	7.27	15	38	3.8	1.57	6.7		3.3		0.26	10.9	0.37	
4	Tue	4.9					0.0	7.74	72	66	9.1	2.07	7.53	59	50	9.6	2.11	7.26	17	23	4.9	1.86	4.8		2.4		0.48	7.3	0.49	
5	Wed	3.6					0.0	7.57	123	118	16.2	2.74	7.51	113	68	13.4	2.07	7.27	27	27	6.3	1.69	4.8		2.4		0.99	4.4	0.23	
6	Thu	3.5					0.0	7.61	118	64	15.2	4.10	7.52	86	38	14.4	2.04	7.26	24	12	6.4	2.18	4.8		2.0		0.95	4.1	0.18	
7	Fri	4.2					0.0	7.58	115	158	13.9		7.54	72	51	11.7		7.28	18	20	7.1		4.8		1.9	210	0.57	6.2	0.46	
8	Sat	4.2	4.7				0.0	7.57	83	62	12.6		7.51	63	34	11.0		7.31	18	17	5.9		4.8		1.8		0.55	6.2	0.47	
9	Sun	3.5					0.0	7.52	163	194	17.3		7.45	80	44	14.9		7.26	19	11	7.7		4.7		2.2		0.98	5.8	0.65	
10	Mon	4.3				0.3	0.0	7.52	98	82	13.0		7.47	84	54	14.2		7.31	15	19	7.8		4.7	210	2.3		0.63	7.6	0.75	
11	Tue	4.1					0.0	7.55	102	70	12.8		7.51	57	38	11.9		7.30	18	14	5.7		4.8		2.3		0.72	5.6	0.36	90
12	Wed	3.5					0.0	7.57	120	94	15.6	3.08	7.46	98	48	16.6	2.79	7.30	20	14	7.7	2.42	4.8		2.3		1.04	4.1	0.18	
13	Thu	3.6					0.0	7.69	195	424	28.3		7.58	81	32	18.9		7.34	17	15	9.6		4.8		2.0		0.88	4.8	0.35	
14	Fri	4.8		0.54		1.1	0.0	7.74	98	148	11.6		7.53	72	61	12.9		7.34	25	32	7.5		4.9		1.9		0.41	6.7	0.38	
15	Sat	7.5	4.5			3.9	0.0	7.71	43	102	5.2		7.65	33	56	6.2		7.37	11	32	3.9		6.4		2.9		0.24	10.4	0.38	
16	Sun	4.4					0.0	7.66	67	62	11.8		7.59	48	34	12.7		7.41	11	21	8.7		4.8		2.1		0.59	5.7	0.31	
17	Mon	3.4		0.05			0.0	7.61	127	91	15.7		7.48	85	52	16.0		7.24	26	16	8.4		4.7		2.3		1.06	4.1	0.20	
18	Tue	7.5		0.95		7.1	0.0	8.18	48	58	5.9		7.63	42	54	7.8		7.22	14	25	5.3		6.7		3.5		0.35	9.9	0.32	
19	Wed	7.5		0.22		8.0	0.0	7.63	46	54	6.7	1.89	7.50	55	78	7.8	1.51	7.30	12	27	4.6	1.48	6.4		3.5		0.31	9.9	0.31	
20	Thu	4.7					0.0	7.66	98	78	10.9		7.53	52	42	12.0		7.29	18	26	6.7		4.8		2.0		0.45	6.8	0.44	
21	Fri	3.5					0.0	7.62	111	88	16.5		7.50	85	58	15.8		7.24	18	18	9.1		4.8		1.9		0.90	4.1	0.17	135
22	Sat	3.2	4.9				0.0	7.54	105	78	17.5		7.48	79	54	16.9		7.29	15	12	9.0		4.8		1.8		1.06	4.1	0.27	
23	Sun	6.9		0.96		5.2	0.0	7.55	90	184	5.5		7.59	52	82	6.4		7.17	16	33	4.2		6.1		2.9		0.31	8.7	0.27	
24	Mon	5.2					0.0	7.64	83	88	10.3		7.49	56	48	10.0		7.26	20	21	5.5		4.9		2.5		0.43	7.6	0.48	
25	Tue	3.6					0.0	7.89	130	118	18.0		7.56	68	46	15.1		7.32	32	9	6.7		4.7		2.3		0.99	6.2	0.74	
26	Wed	3.3					0.0	7.60	118	99	18.2	2.82	7.44	80	68	18.6	3.11	7.20	23	17	9.4	2.42	4.8		2.4		1.19	9.0	1.74	
27	Thu	4.6					0.0	7.61	126	166	13.4		7.45	75	54	13.5		7.19	21	25	8.3		4.8		3.1		0.71	8.6	0.87	
28	Fri	3.4					0.0	7.66	150	194	18.0		7.51	76	58	16.3		7.25	18	21	9.2		4.8		2.0		1.01	4.1	0.20	
29	Sat	3.7	4.4	0.11			0.0	7.55	235	170	15.8		7.45	96	52	16.7		7.17	22	16	10.4		4.8		1.8		0.78	5.3	0.43	
30	Sun	3.9		0.01			0.0	7.49	128	96	13.2		7.45	63	40	12.4		7.23	18	8	7.8		4.8		1.8		0.70	5.7	0.46	
31	Mon	3.3					0.0	7.46	160	230	18.3		7.42	85	50	17.7		7.17	27	17	9.9		4.7		2.2		1.09	7.2	1.17	
AVERAGE		4.5		0.11		1.0	0.0	7.64	109	119	13.4	2.50	7.51	70	53	12.9	2.22	7.27	19	20	7.1	1.94	5.1	7	2.3	7	0.70	6.6	0.47	7
MAXIMUM		8.0	4.9	0.96		8.0	0.0	8.18	235	424	28.3	4.10	7.65	113	90	18.9	3.11	7.41	32	38	10.4	2.42	6.7	210	3.5	210	1.19	10.9	1.74	135
MINIMUM		3.2		0.00		0.0	0.0	7.46	43	54	5.0	1.28	7.42	33	32	6.0	1.51	7.17	11	8	3.8	1.48	4.7	210	1.8	210	0.24	4.1	0.17	90
# OF DATA		31		31		31	31	31	31	31	31	8	31	31	31	31	8	31	31	31	31	8	31	1	31	1		31		2
TOTAL		140		3.27		31	0	237	3392	3687	414	20	233	2163	1638	401	18	225	600	628	220	16	157	210	72	210		203		225

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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	Sat	3.6	7.75	7.53	6		204		14		454		0.32		10			8.2		0.89	8	< 0.01
2	Sun	4.4	7.71	7.45	13		508		14		540		0.18		7		1.83	8.2		1.14	14	< 0.01
3	Mon	7.2	7.52	7.19	11		733		29		1934		0.20		13		1.66	8.3		1.60	51	< 0.01
4	Tue	4.5	7.56	7.48	7		301		13		509		0.15		6		1.54	8.6		1.12	19	< 0.01
5	Wed	3.4	7.68	7.54	10		309		20		600		0.14		4		1.80	8.6		1.21	8	< 0.01
6	Thu	3.3	7.72	7.33	18		505		6		159		0.26		8		1.89	8.6		1.14	13	< 0.01
7	Fri	4.0	7.58	7.45	10		352		17		599		0.34		12			8.4		1.19	6	< 0.01
8	Sat	3.9	7.75	7.38	12	12	412	446	8	15	282	660	0.28	0.22	10	9		8.4		1.18	70	< 0.01
9	Sun	3.2	7.70	7.42	11		321		5		146		0.34		10			8.4		1.38	9	< 0.01
10	Mon	4.0	7.64	7.29	9		336		10		361		0.44		16			8.3		1.22	64	< 0.01
11	Tue	3.9	7.66	7.53	14		484		12		415		0.22		8			8.3		1.33	5	< 0.01
12	Wed	3.3	7.66	7.41	12		347		6		174		0.25		7		2.19	8.6		1.12	2	< 0.01
13	Thu	3.3	7.65	7.51	10		307		2		45		0.37		11			8.4		1.26	4	< 0.01
14	Fri	4.5	7.68	7.43	14		576		17		684		0.35		14			8.5		0.15	37	< 0.01
15	Sat	6.8	7.55	7.21	10	12	608	425	18	10	1128	422	0.31	0.33	19	12		8.5		1.55	65	< 0.01
16	Sun	4.1	7.66	7.35	7		258		12		418		0.32		12			8.3		1.18	32	< 0.01
17	Mon	3.2	7.56	7.44	10		286		11		314		0.35		10			8.3		1.18	3	< 0.01
18	Tue	6.6	7.60	7.25	13		803		24		1505		0.37		23			8.5		1.75	134	< 0.01
19	Wed	6.7	7.50	7.24	9		566		18		1132		0.32		20		1.46	8.2		1.21	16	< 0.01
20	Thu	4.3	7.59	7.46	6		224		11		412		0.24		9			8.5		1.25	47	< 0.01
21	Fri	3.3	7.72	6.66	8		235		8		235		0.37		11			8.8		1.16	5	< 0.01
22	Sat	3.0	7.77	7.34	9	9	252	375	4	12	107	589	0.47	0.35	13	14		8.7		1.13	8	< 0.01
23	Sun	6.1	7.48	7.35	11		612		22		1258		0.37		21			8.6		1.21	84	< 0.01
24	Mon	4.8	7.55	7.30	11		475		15		647		0.20		9			8.6		1.14	18	< 0.01
25	Tue	3.3	7.58	7.39	12		341		8		222		0.17		5			8.7		1.11	2	< 0.01
26	Wed	3.0	7.62	7.47	13		364		11		301		0.46		13		2.00	8.8		1.13	36	< 0.01
27	Thu	4.3	7.63	7.24	13		510		13		499		0.50		19			8.9		1.16	56	< 0.01
28	Fri	3.1	7.63	7.49	11		319		11		311		0.32		9			8.6		1.25	5	< 0.01
29	Sat	3.4	7.73	7.34	13	12	394	431	8	13	248	498	0.45	0.35	14	13		8.4		1.23	5	< 0.01
30	Sun	3.6	7.60	7.38	7		233		9		275		0.37		12			8.6		1.12	23	< 0.01
31	Mon	3.0	7.55	7.34	13		358		8		220		0.46		13			8.0		1.36	5	< 0.01
AVERAGE		4.2			11		404		12		520		0.32		12		1.80	8.5		1.20	15	< 0.01
MAXIMUM		7.2	7.77		18	12	803	446	29	15	1934	660	0.50	0.35	23	14	2.19	8.9		1.75	134	< 0.01
MINIMUM		3.0		6.66	6		204		2		45		0.14		4		1.46	8.0		0.15	2	< 0.01
# OF DATA		31	31	31	31		31		31		31		31		31		8	31		31	31	31
TOTAL		129	237	228	334		12535		380		16135		10		368		14	262.8		37.05	854	< 0.01

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Trickling Filter 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	Sat	60	71			25	0	274	6	2	78
2	Sun	80	80			26	0	268	6	2	79
3	Mon	220	139	14	27	39	0	269	6	2	79
4	Tue	120	90			25	0	280	6	2	80
5	Wed	80	66			23	0	280	6	2	78
6	Thu	80	72			22	0	272	6	2	80
7	Fri	100	86			21	0	263	6	2	80
8	Sat	20	57			22	0	267	6	2	78
9	Sun	80	98			23	0	262	6	2	78
10	Mon	80	70			23	0	260	6	2	79
11	Tue	60	75			23	0	267	6	4	137
12	Wed	80	62			24	0	266	6	2	79
13	Thu	80	86			23	0	268	6	2	82
14	Fri	80	105			27	0	270	6	2	79
15	Sat	220	119			39	0	270	6	2	90
16	Sun	60	62			25	0	279	6	2	83
17	Mon	80	60	27	27	26	0	273	6	2	61
18	Tue	180	137			39	0	270	6	2	88
19	Wed	220	140	34		35	0	276	4	2	60
20	Thu	110	104			25	0	284	6	2	90
21	Fri	60	61			26	0	277	6	2	83
22	Sat	40	44			28	0	271	6	2	86
23	Sun	150	125			35	0	260	6	2	83
24	Mon	120	100			32	0	291	6	2	83
25	Tue	80	65			26	0	289	6	2	83
26	Wed	60	59	27	27	21	0	284	6	2	88
27	Thu	80	88			22	0	288	6	2	81
28	Fri	80	72			16	0	257	6	2	81
29	Sat	60	71			24	0	290	6	2	80
30	Sun	100	62			22	0	287	6	2	80
31	Mon	40	47			23	0	275	6	2	80
AVERAGE		95	83	3	3	26		274	6	2	82
MAXIMUM		220	140	34	27	39		291	6	4	137
MINIMUM		20	44	14	27	16	0	257	4	2	60
# OF DATA		31	31	4	3	31	31	31	31	31	31
TOTAL		2960	2573	101	81	812		8489	185	70	2547

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	Sat								94				97	19				40	2.05		225		
2	Sun								94				97	21				41	0.97		226	0.0	
3	Mon		3.82	65.1	6.28	1.68	61.6	6.99	94	2.16	59.7	6.94	97	56	3.64	58.5	6.50	44		263		38	
4	Tue								94				97	25				0		290		27	
5	Wed								94				97	31				0		323		34	
6	Thu								94				97	26				0		345		22	
7	Fri								94				97	14				0		357		13	
8	Sat								94				97	14				0		357	0.0		
9	Sun								94				97	16				20		339	15.3		
10	Mon		2.82	74.8	6.85	2.47	66.5	6.92	94	1.95	59.7	6.88	97	21	3.42	57.3	6.95	16		353	0.7	15	
11	Tue								94				97	21				42		352			
12	Wed								94				97	26				56		351			
13	Thu								94				97	25				50		340	9.4		
14	Fri								94				97	30				56		341			
15	Sat								94				97	52				93		340			
16	Sun								94				97	16				38	0.09	324	7.7		
17	Mon		2.61	73.7	6.35	2.38	57.8	6.98	94	1.81	60.0	6.85	97	35	3.22	59.3	6.94	35		347	10.0	24	
18	Tue								94				97	39				67		349			
19	Wed								95				97	50				104	2.20	350			
20	Thu								95				97	32				62		348			
21	Fri								95				97	32				59	0.69	333	13.7		
22	Sat								95				97	34				61		328	4.9		
23	Sun								95				97	40				80		331			
24	Mon		3.72	68.8	6.35	3.09	57.8	6.95	94	1.98	57.9	6.80	97	43	3.46	57.7	6.91	34		360		31	
25	Tue								94				97	23				40		360	0.0		
26	Wed								94				97	29				63		359			
27	Thu								94				97	16				33	1.10	344	14.7		
28	Fri								94				97	45				40	1.59	360	6.7	23	
29	Sat								94				97	31				60		360			
30	Sun								95				97	32				66	0.93	360			
31	Mon		2.26	77.2	6.65	1.73	64.5	6.37	95	2.18	60.1	6.79	97	32	3.03	59.1	6.93	20		390		30	
AVERAGE			3.05	71.9	6.50	2.27	61.6	6.84	94	2.02	59.5	6.85	97	30	3.35	58.4	6.85	43	1.20	336	2.7	8	
MAXIMUM			3.82	77.2	6.85	3.09	66.5	6.99	95	2.18	60.1	6.94	97	56	3.64	59.3	6.95	104	2.20	390	15.3	38	
MINIMUM			2.26	65.1	6.28	1.68	57.8	6.37	94	1.81	57.9	6.79	97	14	3.03	57.3	6.50	0	0.09	225			
# OF DATA			5	5	5	5	5	5	31	5	5	5	31	31	5	5	5	31	8	31	31	31	31
TOTAL			15	360	32	11	308	34	2923	10	297	34	3007	924	17	292	34	1322	10	10407	83	257	

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Aug-2015
 LaPorte Wastewater Treatment Plant
 2101 Boyd Boulevard
 LaPorte IN, 46350
 Phone # (219)362-2354

Page 5 of 6
 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	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
Type	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	Daily Maximum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Limits	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1st Date :	August 4th	0.004	0.035	0.0024	0.005	0.058	< 0.0001	0.0003	0.002	< 0.001	0.015	< 0.0001	0.005	0.030	< 0.0002	< 0.0002	< 0.002
2nd Date :	August 12th		0.050								0.015						
3rd Date :	August 19th	0.005	0.047	0.0032	0.005	0.063	< 0.0001	0.0004	< 0.002	0.002	0.020	0.0013	0.004	0.043	< 0.0001	0.0002	0.0040
4th Date :	August 26th		0.037								0.015						
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		0.005	0.042	0.0028	0.005	0.061	<0.00005	0.0004	0.002	0.001	0.016	0.0007	0.005	0.037	<0.00008	0.0002	0.0025
Maximum		0.005	0.050	0.0032	0.005	0.063	<0.00010	0.0004	0.002	0.002	0.020	0.0013	0.005	0.043	<0.00020	0.0002	0.0040

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	4.9	4.5	12	11	446	404	15	12	660	520	0.35	0.32	14	12	8.0	7.77	< 0.01	134	15
% of Limit	70%	65%	40%	54%	18%	24%	42%	51%	22%	26%	15%	20%	7%	9%	133%				
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-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 Jack
 Certification Number : 11496

Total lbs Volatile Solids to Digester 4,783

Overall Percent Removal of Volatile Solids 45.2%

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 24326

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) 853

Rotary Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 29

Fixed Bed Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 3

Biotower Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 5

Monthly Removal Summary

Percent Removal :	CBOD	TSS	AMMONIA
Primary Treatment :	36%	56%	3%
Secondary Treatment :	72%	62%	45%
Adv. Sec. Treatment :	44%	39%	96%
Overall Treatment :	90%	90%	98%

Detention Time (Hours)	Maximum	Minimum	Average
Primary Settling Tank	3.8	1.5	2.7
Secondary Settling Tank	2.8	1.1	2.0
Final Settling Tank	8.7	3.5	6.2
Chlorine Contact Tank	0.60	0.24	0.43
Total Plant Retention Time	15.3	6.2	10.9

Surface Flow Rate			
Gallons per sq ft per Day	Maximum	Minimum	Average
Primary Settling Tank	999	403	566
Secondary Settling Tank	1319	531	748
Final Settling Tank	672	271	381

Weir OverFlow Rate			
1000 Gal per ft per Day	Maximum	Minimum	Average
Primary Settling Tank	19	8	11
Secondary Settling Tank	16	6	9
Final Settling Tank	15	6	9

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:

8/8/2015 - Power loss, on emergency power 9:51 am to 11:06 am
 8/24/2015 - Successful test of emergency power system
 8/25/2015 - Power loss, on emergency power 2:20 pm to 2:45 pm
 8/30/2015 - Power loss, on emergency power 5:34 pm to 6:50 pm
 8/31/2015 - Power loss, on emergency power 2:20 pm to 3:45 pm

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 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:	August 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	3.89	5.39																		
2	4.80	5.98	11:30 PM	0.4	0.38	0.33	HR													
3	7.99	10.02	12:00 AM	0.1	0.05	0.37	HR													
4	4.88	5.65																		
5	3.60	5.25																		
6	3.46	3.99																		
7	4.23	6.11																		
8	4.22	5.36																		
9	3.50	4.76																		
10	4.33	5.61																		
11	4.14	5.53																		
12	3.47	4.07																		
13	3.57	5.27																		
14	4.83	9.78	10:21 PM	0.5	0.54	0.52	HR													
15	7.51	10.06																		
16	4.35	5.49																		
17	3.42	4.04	4:56 PM	0.1	0.05	0.05	HR													
18	7.52	10.10	4:57 AM	1.2	0.95	0.41	HR													
19	7.54	10.13	12:10 AM	0.2	0.22	0.19	HR													
20	4.71	5.58																		
21	3.53	5.35																		
22	3.22	4.38																		
23	6.86	10.07	2:32 AM	0.4	0.96	0.84	HR													
24	5.18	9.84																		
25	3.56	5.27																		
26	3.28	5.22																		
27	4.60	5.32																		
28	3.39	4.35																		
29	3.72	6.34	9:23 AM	0.2	0.11	0.05	HR													
30	3.88	5.02			0.01	0.01	HR													
31	3.30	5.45																		
Totals:	140.49			3.12	3.27					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:	August 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	
5	
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24	
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26	
27	
28	
29	
30	
31	

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