

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Sep-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 in 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	Tue	4.0		0.01			0.0	7.51	150	130	15.2	3.43	7.48	84	38	12.7	2.50	7.27	15	11	6.8	2.01	4.8		2.4		0.80	5.1	0.28	
2	Wed	3.3					0.0	7.58	170	170	19.0		7.45	85	46	16.4		7.23	14	12	8.9		4.8		2.4		1.17	4.1	0.26	
3	Thu	4.0					0.0	7.60	145	148	14.3		7.48	65	42	13.1		7.27	17	12	7.1		4.7		2.3		0.78	4.8	0.22	
4	Fri	3.7					0.0	7.59	205	96	16.2		7.41	81	44	13.8		7.19	23	17	8.4		4.8		2.0		0.80	5.3	0.40	
5	Sat	4.3	3.8	0.20			0.0	7.50	205	212	13.4		7.42	58	64	10.6		7.26	16	15	5.8		5.1		2.9		0.88	5.5	0.30	
6	Sun	3.1					0.0	7.61	140	114	13.8		7.46	61	50	12.5		7.28	16	15	7.4		4.8		2.5		1.34	4.1	0.31	
7	Mon	3.9					0.0	7.63	110	161	14.1		7.44	64	42	12.9		7.29	21	17	8.2		4.7		2.2		0.74	5.9	0.50	
8	Tue	5.6		0.51		4.3	0.0	7.51	180	212	10.5		7.47	69	70	9.8		7.33	20	31	6.7		5.4		2.8		0.46	7.1	0.27	
9	Wed	4.1					0.0	7.53	92	121	12.1	2.12	7.44	33	58	10.2	1.77	7.32	11	24	6.1	1.42	4.8		2.8		0.87	5.3	0.29	
10	Thu	3.2		0.01			0.0	7.71	106	132	17.3		7.53	54	64	16.6		7.34	15	20	9.5		4.7		2.3	180	1.23	4.1	0.29	
11	Fri	5.0		0.45		2.2	0.0	7.69	155	152	11.3		7.46	59	80	11.0		7.34	19	28	7.6		5.3		2.2		0.52	7.2	0.46	
12	Sat	3.6	4.1	0.02			0.0	7.54	114	94	16.6		7.45	55	56	15.2		7.37	18	20	10.2		4.8		1.8		0.86	4.2	0.18	
13	Sun	3.0		0.01			0.0	7.72	123	148	15.9		7.54	65	48	14.2		7.24	20	14	8.5		4.8		1.8		1.23	4.0	0.36	
14	Mon	3.4				0.1	0.0	8.13	115	186	16.7		7.53	76	66	15.3		7.29	20	25	8.1		4.7		2.2	120	1.00	4.9	0.43	90
15	Tue	3.7					0.0	7.73	145	180	16.7		7.51	74	66	13.5		7.34	16	25	6.8		4.7		2.3		0.91	4.7	0.26	
16	Wed	3.0					0.0	7.65	165	165	20.2	3.55	7.47	77	60	17.4	2.82	7.27	19	20	9.5	2.04	4.7		2.3		1.38	4.0	0.35	
17	Thu	3.1					0.0	7.61	200	108	20.5		7.47	75	54	18.2		7.25	26	13	10.3		4.7		2.3	240	1.27	4.0	0.31	
18	Fri	8.1		1.71		12.1	0.0	7.51	99	156	6.4		7.38	42	70	6.9		7.17	15	29	5.6		6.9		3.5		0.27	10.7	0.32	
19	Sat	9.6	4.8	0.94		21.7	0.0	7.44	33	72	3.9		7.31	27	70	6.4		7.15	11	26	4.3		7.5		3.8		0.17	12.6	0.30	
20	Sun	9.4		0.02			0.0	7.64	78	70	4.7		7.41	9	42	5.8		7.13	10	11	4.6		7.5		3.8		0.20	12.5	0.33	
21	Mon	7.6		0.01		0.5	0.0	7.49	62	45	7.3		7.36	35	52	7.0		7.15	13	28	4.6		7.0		3.3		0.36	9.2	0.21	
22	Tue	4.3		0.01			0.0	7.60	98	104	13.3		7.48	52	62	10.8		7.23	13	22	5.3		5.0		2.6		0.77	5.6	0.29	
23	Wed	3.3					0.0	7.65	105	148	13.7	3.73	7.46	73	72	13.0	2.94	7.25	10	13	6.4	2.01	4.5		2.3		1.10	4.1	0.25	
24	Thu	4.2					0.0	7.73	106	148	12.1		7.49	82	48	12.4		7.27	16	20	7.6		4.5		2.4		0.67	6.0	0.44	
25	Fri	3.9					0.0	7.56	117	246	13.4		7.40	70	55	15.0		7.19	20	16	7.9		4.7		2.0		0.70	4.9	0.26	
26	Sat	3.0	5.1				0.0	7.55	165	162	15.4		7.41	73	64	17.6		7.16	12	17	10.3		4.8		1.8		1.18	4.0	0.33	
27	Sun	3.4					0.0	7.65	139	138	16.1		7.50	78	56	17.2		7.20	24	21	10.9		4.8		1.8		0.93	4.5	0.32	
28	Mon	3.6					0.0	7.54	160	152	16.0		7.34	96	78	15.7		7.15	17	25	9.6		4.7		2.2		0.88	6.7	0.85	
29	Tue	4.0				2.7	0.0	7.46	128	306	13.7		7.39	84	48	14.0		7.29	15	16	8.0		4.2	480	2.4	0.65	9.3	1.34		
30	Wed	3.8	3.6				0.0	7.61	115	151	13.0	3.17	7.51	85	48	11.0	3.03	7.41	15	18	6.4	2.15	4.7		2.4		0.87	4.7	0.24	
AVERAGE		4.4		0.13		1.5	0.0	7.61	131	148	13.8	3.20	7.45	65	57	12.9	2.61	7.25	16	19	7.6	1.93	5.1	16	2.5	18	0.83	6.0	0.37	3
MAXIMUM		9.6	5.1	1.71		21.7	0.0	8.13	205	306	20.5	3.73	7.54	96	80	18.2	3.03	7.41	26	31	10.9	2.15	7.5	480	3.8	240	1.38	12.6	1.34	90
MINIMUM		3.0		0.00		0.0	0.0	7.44	33	45	3.9	2.12	7.31	9	38	5.8	1.77	7.13	10	11	4.3	1.42	4.2	480	1.8	120	0.17	4.0	0.18	90
# OF DATA		30		30		30	30	30	30	30	30	5	30	30	30	30	5	30	30	30	30	5	30	1	30	3		30		1
TOTAL		132		3.90		44	0	228	3924	4427	413	16	223	1940	1713	386	13	218	494	581	227	10	153	480	74	540		179		90

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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	Tue	3.8	7.59	7.52	8		256		7		216		0.23		8			7.9		1.27	34	< 0.01
2	Wed	3.5	7.61	7.49	8		219		5		137		0.28		8		2.10	8.2		1.21	9	< 0.01
3	Thu	4.0	7.62	7.53	7		231		7		215		0.31		10			8.5		1.26	65	< 0.01
4	Fri	4.0	7.56	7.36	13		415		9		281		0.33		10			8.6		1.17	5	< 0.01
5	Sat	4.3	7.74	7.40	11	10	391	300	7	7	249	228	0.36	0.33	13	10		8.6		1.26	13	< 0.01
6	Sun	3.4	7.62	7.37	8		215		8		195		0.22		6			8.6		1.09	5	< 0.01
7	Mon	4.1	7.65	7.43	10		315		9		295		0.22		7			8.4		1.27	5	< 0.01
8	Tue	5.3	7.62	7.40	10		467		14		630		0.38		18			8.1		1.17	20	< 0.01
9	Wed	4.1	7.55	7.36	8		259		13		443		0.23		8		1.57	8.1		1.26	160	< 0.01
10	Thu	3.4	7.65	7.55	11		287		8		211		0.32		8			8.8		1.14	7	< 0.01
11	Fri	5.0	7.65	7.40	13		524		12		496		0.80		33			8.6		1.15	23	< 0.01
12	Sat	3.7	7.65	7.34	12	10	356	346	9	10	267	362	0.66	0.40	20	14		9.1		1.19	43	< 0.01
13	Sun	3.3	7.59	7.37	11		277		8		198		0.33		8			9.0		1.24	6	< 0.01
14	Mon	3.7	7.63	7.33	17		478		6		172		0.35		10			8.9		1.21	7	< 0.01
15	Tue	3.7	7.66	7.38	9		275		13		386		0.23		7			9.9		1.21	29	< 0.01
16	Wed	3.6	7.68	7.35	12		304		11		272		0.26		6		2.12	8.8		1.13	2	< 0.01
17	Thu	4.1	7.64	7.42	13		327		9		219		0.34		9			8.7		1.13	11	< 0.01
18	Fri	8.6	7.39	7.09	12		834		29		1967		0.65		44			8.3		1.69	31	< 0.01
19	Sat	10.1	7.28	6.74	7	12	539	433	28	15	2250	780	0.42	0.37	34	17		8.8		1.68	7	< 0.01
20	Sun	9.9	7.23	6.91	8		611		22		1724		0.51		40			8.9		1.64	3	< 0.01
21	Mon	8.1	7.33	6.98	10		637		22		1401		0.46		29			9.0		1.62	2	< 0.01
22	Tue	5.3	7.51	7.10	11		379		11		397		0.23		8			9.1		1.25	10	< 0.01
23	Wed	4.0	7.59	7.34	9		231		3		81		0.32		9		1.66	8.9		1.23	5	< 0.01
24	Thu	4.6	7.59	7.40	6		215		10		347		0.34		12			8.7		1.29	57	< 0.01
25	Fri	4.4	7.54	7.30	7		228		14		456		0.30		10			8.6		1.20	6	< 0.01
26	Sat	3.5	7.52	7.39	12	9	301	372	15	14	377	683	0.31	0.35	8	17		8.8		1.94	2	< 0.01
27	Sun	3.8	7.67	7.35	16		453		10		269		0.27		8			8.7		1.18	4	< 0.01
28	Mon	4.1	7.42	7.23	12		374		18		547		0.42		13			8.6		1.10	3	< 0.01
29	Tue	4.4	7.51	7.33	11		366		8		266		0.38		13			8.5		0.96	1	< 0.01
30	Wed	4.2	7.56	7.36	8	11	249	323	13	9	409	269	0.19	0.41	6	13	2.11	9.0		1.17	13	< 0.01
AVERAGE		4.7			10		367		12		512		0.36		14		1.91	8.7		1.28	9	< 0.01
MAXIMUM		10.1	7.74		17	12	834	433	29	15	2250	780	0.80	0.41	44	17	2.12	9.9		1.94	160	< 0.01
MINIMUM		3.3		6.74	6		215		3		81		0.19		6		1.57	7.9		0.96	1	< 0.01
# OF DATA		30	30	30	30		30		30		30		30		30		5	30		30	30	30
TOTAL		142	227	220	308		11012		355		15372		11		421		10	260.7		38.31	588	< 0.01

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Trickling Filter Wastewater Treatment Plant

Date: Sep-2015

LaPorte Wastewater Treatment Plant
2101 Boyd Boulevard
LaPorte IN, 46350
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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	Tue	80	74			23	0	276	6	2	80
2	Wed	60	39	27		21	0	272	6	2	80
3	Thu	110	94			22	0	275	6	2	83
4	Fri	70	87			21	0	276	6	2	82
5	Sat	130	80			28	0	278	6	2	80
6	Sun	50	49			27	0	276	6	2	84
7	Mon	60	82			26	0	277	6	2	80
8	Tue	140	109	14	27	30	0	273	6	2	79
9	Wed	100	90			30	0	295	6	2	80
10	Thu	100	82			22	0	298	6	2	80
11	Fri	100	96	20	27	31	0	303	6	2	81
12	Sat	50	80			27	0	300	6	2	80
13	Sun	70	48			25	0	290	6	2	79
14	Mon	40	74			26	0	291	6	2	81
15	Tue	80	74			28	0	291	6	2	80
16	Wed	80	72	27		26	0	284	6	2	80
17	Thu	80	100			23	0	281	6	2	80
18	Fri	220	257	14	34	38	0	281	6	2	80
19	Sat	280	198			33	0	277	6	2	85
20	Sun	260	162			23	0	298	6	2	82
21	Mon	200	179			26	0	304	6	2	81
22	Tue	120	108			24	0	305	6	2	86
23	Wed	60	79			25	0	279	6	2	84
24	Thu	90	122	20	27	23	0	296	6	2	81
25	Fri	70	53			23	0	289	6	2	83
26	Sat	80	73			26	0	277	6	2	82
27	Sun	80	116			26	0	275	6	2	75
28	Mon	60	42			24	0	275	6	2	75
29	Tue	80	90			27	0	273	6	2	82
30	Wed	80	85			31	0	274	6	2	87
AVERAGE		103	96	4	4	26		285	6	2	81
MAXIMUM		280	257	27	34	38		305	6	2	87
MINIMUM		40	39	14	27	21	0	272	6	2	75
# OF DATA		30	30	6	4	30	30	30	30	30	30
TOTAL		3080	2894	122	115	785		8539	180	67	2432

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	Tue								95				97	10				0			389		
2	Wed								95				97	28				59			389		
3	Thu								95				97	22				41			389		
4	Fri								95				97	35				56			388		
5	Sat								95				97	35				56			388		
6	Sun								95				97	36				63			387		
7	Mon		2.21	71.3	6.39	1.53	61.6	7.11	95	2.30	59.3	6.88	97	37	3.55	59.6	6.94	17			373	13.1	28
8	Tue								95				97	31				61			375		
9	Wed								95				97	19				34			374		
10	Thu								95				97	38				77	1.37		373		
11	Fri								95				97	45				90	1.25		369	6.5	
12	Sat								95				97	36				84	0.60		358	9.7	
13	Sun								95				97	21				52	2.28		358		
14	Mon		3.04	67.7	5.99	2.34	59.8	7.25	95	1.96	56.2	7.09	97	31	3.31	57.5	6.96	16			357		42
15	Tue								95				97	20				0			356		
16	Wed								95				97	22				40			356		
17	Thu								95				97	37				72			341	13.5	
18	Fri								95				97	43				93			346		
19	Sat								95				97	62				119			350		
20	Sun								95				97	34				58			338	11.0	
21	Mon		2.80	69.9	6.54	2.51	61.1	6.85	94	1.85	56.4	6.78	97	42	3.35	60.4	6.89	16			334	3.8	44
22	Tue								94				97	15				9			334		
23	Wed								94				97	30				61			333		
24	Thu								94				97	17				36			332		
25	Fri								94				97	50				95			332		
26	Sat								94				97	25				66			325	5.5	
27	Sun								94				97	22				68	2.25		321	4.3	
28	Mon		3.47	69.2	6.56	2.01	60.0	7.05	94	2.55	59.9	6.87	97	31	3.16	58.8	6.98	17			321		43
29	Tue								94				97	13				0			320		
30	Wed								94				97	29				32			320		
AVERAGE			2.88	69.5	6.37	2.10	60.6	7.07	95	2.17	58.0	6.91	97	31	3.34	59.1	6.94	50	1.55		354	2.2	5
MAXIMUM			3.47	71.3	6.56	2.51	61.6	7.25	95	2.55	59.9	7.09	97	62	3.55	60.4	6.98	119	2.28		389	13.5	44
MINIMUM			2.21	67.7	5.99	1.53	59.8	6.85	94	1.85	56.2	6.78	97	10	3.16	57.5	6.89	0	0.60		320		
# OF DATA			4	4	4	4	4	4	30	4	4	4	30	30	4	4	4	30	5	30	30	30	30
TOTAL			12	278	25	8	243	28	2840	9	232	28	2910	917	13	236	28	1488	8		10629	67	156

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Sep-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																	
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 :	September 2nd	0.015	0.120	0.0032	0.009	0.120	< 0.0001	0.0006	0.004	< 0.001	0.024	< 0.001	0.004	0.030	< 0.0001	< 0.0002	< 0.002
2nd Date :	September 9th		0.043			0.084					0.020			0.030			
3rd Date :	September 16th	0.023	0.066	0.0029	0.016	0.110	< 0.0001	0.0011	0.005	0.001	0.019	< 0.001	0.004	0.034	< 0.0001	< 0.0002	0.0030
4th Date :	September 23rd		0.072								0.018						
5th Date :	September 30th	0.012	0.069	0.0024	0.010	0.100	< 0.0001	0.0007	0.005	< 0.001	0.016	< 0.001	0.004	0.031	< 0.0001	< 0.0002	< 0.002
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		0.017	0.074	0.0028	0.012	0.104	<0.00005	0.0008	0.005	0.001	0.019	<0.0005	0.004	0.031	<0.00005	<0.0001	0.0017
Maximum		0.023	0.120	0.0032	0.016	0.120	<0.00010	0.0011	0.005	0.001	0.024	<0.001	0.004	0.034	<0.00010	<0.0002	0.0030

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	5.1	4.4	12	10	433	367	15	12	780	512	0.41	0.36	17	14	7.9	7.74	< 0.01	160	9
% of Limit	73%	63%	38%	51%	17%	22%	41%	49%	26%	26%	17%	22%	8%	10%	132%				
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.

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 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 4,372

Monthly Removal Summary

Overall Percent Removal of Volatile Solids 36.7%

Percent Removal :	CBOD	TSS	AMMONIA
Primary Treatment :	51%	61%	6%
Secondary Treatment :	75%	66%	41%
Adv. Sec. Treatment :	38%	39%	95%
Overall Treatment :	92%	92%	97%

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 28242

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 483

Detention Time (Hours)	Maximum	Minimum	Average
Primary Settling Tank	4.1	1.3	2.8
Secondary Settling Tank	3.0	0.9	2.0
Final Settling Tank	9.5	2.9	6.4
Chlorine Contact Tank	0.65	0.20	0.44
Total Plant Retention Time	16.6	5.1	11.2

Fixed Bed Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 56

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 776

Rotary Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 26

Surface Flow Rate			
Gallons per sq ft per Day	Maximum	Minimum	Average
Primary Settling Tank	1205	370	550
Secondary Settling Tank	1590	489	726
Final Settling Tank	811	249	370

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

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	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:

9/18-20/2015 - Used SCADA estimate of chlorine usage to correct log readings. LaPorte is installing electronic scales to better measure and monitor chlorine & SO2 usage. Both SO2 scales have been replaced and weight measurements are made by electronic load cell.

9/16-20/2015 - Primary Clarifier #2 out of service for replacement of the sludge collector chain and flights.

9/21/2015 - 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, 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:	September 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	3.98	5.44			0.01	0.01	HR													
2	3.28	3.87																		
3	3.96	5.23																		
4	3.75	5.35																		
5	4.26	7.54	10:26 AM	0.3	0.20	0.14	HR													
6	3.11	3.85																		
7	3.94	5.54																		
8	5.60	9.94	3:59 PM	0.7	0.51	0.24	HR													
9	4.08	8.51																		
10	3.16	3.78			0.01	0.01	HR													
11	4.95	9.95	9:09 AM	0.6	0.45	0.22	HR													
12	3.56	4.92	12:00 AM	0.0	0.02	0.01	HR													
13	2.96	3.69			0.01	0.01	HR													
14	3.43	5.00																		
15	3.70	4.92																		
16	2.96	3.60																		
17	3.09	3.58																		
18	8.13	10.07	4:18 AM	1.8	1.71	0.71	HR													
19	9.64	10.16	1:01 AM	0.6	0.94	0.77	HR													
20	9.39	10.15	12:00 AM	0.0	0.02	0.01	HR													
21	7.64	9.94			0.01	0.00	HR													
22	4.33	6.93			0.01	0.01	HR													
23	3.26	4.20																		
24	4.16	6.66																		
25	3.91	5.40																		
26	3.01	3.59																		
27	3.40	5.18																		
28	3.65	5.18																		
29	3.99	5.28																		
30	3.77	5.29																		
31																				
Totals:	132.03			4.10	3.90					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:	September 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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Jerry P Jackson, Superintendent	219-362-2354
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Signature of Principal Executive Officer or Authorized Agent	Date
	03/21/2016