

**MONTHLY REPORT OF OPERATION**

**Trickling Filter Wastewater Treatment Plant**

Date: Apr-15  
 LaPorte Wastewater Treatment Plant  
 2101 Boyd Boulevard  
 LaPorte IN, 46350  
 Phone # (219)362-2354

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Permit # IN0025577

Expires 12-31-2014

Certified Operator : Jerry P Jack

Certification Number : 11496

							Raw Sewage					Primary Effluent					Secondary Effluent					Rotary Filter		Fixed-Bed Filter		Trickling Filters		Biotowers		
Day of the Month	Day of the Week	Total Flow in MGal/Day	Weekly Average Flow MGal/Day	Precip in inches	Collection System 'X' if occurred	Diversion to CSO Basin 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	Wed	3.4					0.0	7.73	135	104	21.6	3.39	7.48	111	58	20.3	3.11	7.22	16	23	18.9	2.04	4.5		2.3		0.98	4.5	0.32	
2	Thu	3.7		0.12			0.0	7.56	160	230	25.7		7.47	98	66	21.8		7.41	18	13	18.6		4.6		2.6	120	0.95	5.2	0.41	
3	Fri	4.4		0.01			0.0	8.06	107	102	17.3		7.76	78	59	14.7		7.32	16	23	10.0		4.6		1.8		0.45	6.5	0.49	
4	Sat	3.0	3.8				0.0	7.70	128	98	17.2		7.57	98	68	19.0		7.64	15	21	12.9		4.6		1.8		1.09	4.3	0.40	
5	Sun	3.6					0.0	7.82	97	80	15.0		7.61	80	62	16.2		7.42	12	21	11.4		4.5		2.1		0.83	5.5	0.54	
6	Mon	3.7				0.9	0.0	7.79	109	99	34.5		7.50	86	62	25.5		7.41	14	23	13.2		4.3	450	2.3		0.76	5.3	0.40	90
7	Tue	3.2		0.08			0.0	7.48	165	182	19.3		7.34	93	68	21.1		7.24	16	24	19.5		4.5		2.3		1.10	4.3	0.34	
8	Wed	4.7		0.17			0.0	7.79	78	77	15.6	1.95	7.55	70	58	14.3	2.30	7.19	17	26	15.4		4.5		2.3	360	0.44	7.0	0.49	
9	Thu	5.9		0.18		3.0	0.0	7.62	119	282	11.5		7.42	69	132	12.1		7.41	13	26	11.6	2.21	5.4		2.9		0.41	8.5	0.45	
10	Fri	4.0					0.0	7.83	100	56	17.0		7.52	83	61	16.5		7.22	20	42	9.0		4.6		2.4		0.75	6.1	0.52	
11	Sat	2.9	4.0				0.0	7.63	150	80	28.7		7.50	104	52	31.5		7.19	24	19	18.5		4.6		1.8		1.20	4.3	0.48	
12	Sun	3.3					0.0	7.57	120	110	19.4		7.42	85	62	22.6		7.23	21	27	16.0		4.6		2.1		1.05	4.7	0.45	
13	Mon	5.6		0.23		2.8	0.0	7.73	95	105	13.6		7.44	74	62	9.8		7.09	15	28	7.8		5.2		3.3		0.52	8.3	0.48	
14	Tue	4.6					0.0	7.71	90	62	7.5	1.83	7.52	68	28	10.8	1.98	7.15	14	24	8.4	1.80	4.5		2.8		0.61	7.0	0.54	
15	Wed	3.0					0.0	7.61	110	100	28.5		7.43	75	70	17.6		7.17	20	25	12.6		4.5		2.3		1.24	3.9	0.30	
16	Thu	3.1		0.08			0.0	7.61	96	108	19.2		7.44	112	52	26.3		7.19	16	18	17.8		4.6		1.9		1.15	4.9	0.60	
17	Fri	4.5					0.0	7.75	94	90	22.0		7.56	70	72	19.4		7.13	15	34	13.5		4.6		1.8		0.43	6.9	0.55	
18	Sat	3.2	3.9				0.0	7.51	125	134	14.6		7.38	86	56	16.5		7.13	10	22	9.7		4.7		1.8		1.04	4.1	0.29	
19	Sun	4.9		0.70		6.8	0.0	7.68	102	172	16.8		7.40	84	112	14.4		7.25	24	44	12.1		5.3		2.6		0.62	7.0	0.43	
20	Mon	7.3		0.01		1.3	0.0	7.78	55	48	14.9		7.56	64	80	11.7		7.33	16	45	8.5		6.0		3.8		0.34	10.2	0.40	
21	Tue	4.3					0.0	7.83	105	74	13.5		7.57	88	64	19.3		7.38	17	36	11.1		4.5		2.8		0.71	6.1	0.44	
22	Wed	3.1					0.0	7.72	110	103	18.8	3.03	7.51	100	64	26.1	3.29	7.33	17	27	14.5	2.54	4.5		2.3		1.21	4.9	0.59	
23	Thu	3.4					0.0	7.82	160	116	28.2		7.52	91	64	26.4		7.22	17	24	18.4		4.6		1.9		0.89	5.0	0.46	
24	Fri	4.4		0.04			0.0	7.89	101	98	23.8		7.58	69	70	22.4		7.23	22	36	17.1		4.6		1.8	120	0.44	6.5	0.49	
25	Sat	5.3	4.7	0.45		4.1	0.0	7.61	87	108	16.0		7.39	86	98	17.4		7.25	15	48	11.5		5.6		2.7		0.57	7.7	0.45	
26	Sun	4.5					0.0	7.83	88	64	14.5		7.50	64	54	16.6		7.23	15	31	8.8		4.6		2.8		0.63	6.6	0.46	
27	Mon	3.0					0.0	7.60	116	86	22.4		7.42	101	58	24.5		7.23	18	30	11.8		4.6		2.3	120	1.32	3.8	0.29	
28	Tue	3.0					0.0	7.71	115	104	21.9		7.41	98	72	23.7		7.17	16	26	12.4		4.6		2.3		1.32	4.9	0.66	
29	Wed	4.5					0.0	7.76	94	70	12.5	2.18	7.57	85	52	17.7	2.59	7.18	19	31	11.0	2.27	4.6		2.3		0.52	6.9	0.53	
30	Thu	3.0	3.6				0.0	7.54	155	132	19.6		7.40	78	66	18.0		7.19	11	28	8.8		4.6		1.9		1.20	3.8	0.29	
AVERAGE		4.0		0.07		0.6	0.0	7.71	112	109	19.0	2.48	7.49	85	67	19.1	2.65	7.26	17	28	13.0	2.17	4.7	15	2.3	24	0.83	5.8	0.45	3
MAXIMUM		7.3	4.7	0.70		6.8	0.0	8.06	165	282	34.5	3.39	7.76	112	132	31.5	3.29	7.64	24	48	19.5	2.54	6.0	450	3.8	360	1.32	10.2	0.66	90
MINIMUM		2.9		0.00		0.0	0.0	7.48	55	48	7.5	1.83	7.34	64	28	9.8	1.98	7.09	10	13	7.8	1.80	4.3	450	1.8	120	0.34	3.8	0.29	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	4		30		1
TOTAL		120		2.07		19	0	231	3365	3274	571	12	225	2546	2002	574	13	218	495	844	391	11	142	450	70	720		175		90

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Permit # IN0025577  
 Expires 12-31-2014  
 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	Wed	3.4	7.30	7.03	8		231		11		314		0.21		6		1.92	10.8		1.07	1	< 0.01
2	Thu	3.5	7.29	7.08	8		238		5		137		0.30		9			10.6		1.20	3	< 0.01
3	Fri	4.2	7.70	7.12	7		241		8		292		0.27		10			10.7		1.21	7	< 0.01
4	Sat	3.0	7.43	7.23	7	7	164	211	9	8	228	248	0.19	0.23	5	7		10.2		1.26	1	< 0.01
5	Sun	3.5	7.33	7.15	6		183		13		390		0.17		5			10.7		1.21	1	< 0.01
6	Mon	3.6	7.42	7.17	7		206		7		219		0.15		5			10.7		1.10	4	< 0.01
7	Tue	3.1	7.32	7.20	4		116		12		309		0.11		3			10.6		1.15	1	< 0.01
8	Wed	4.4	7.55	7.07	8		313		7		274		0.13		5		2.38	10.6		1.19	11	< 0.01
9	Thu	5.5	7.23	6.95	8		368		16		761		0.19		9			10.6		1.13	3	< 0.01
10	Fri	3.9	7.32	7.12	5		175		15		504		0.11		4			10.8		1.20	4	< 0.01
11	Sat	2.9	7.19	7.05	13	7	312	239	5	11	121	368	0.24	0.16	6	5		11.1		1.07	0	< 0.01
12	Sun	3.2	7.41	7.03	7		180		7		190		0.21		6			10.5		1.18	3	< 0.01
13	Mon	5.3	7.26	6.97	7		327		9		421		0.11		5			10.7		1.23	45	< 0.01
14	Tue	4.4	7.47	7.13	8		293		3		95		0.10		4		1.94	10.3		1.13	5	< 0.01
15	Wed	3.0	7.51	7.35	10		249		9		229		0.11		3			10.0		1.13	1	< 0.01
16	Thu	3.0	7.43	7.34	9		234		7		165		0.25		6			10.2		1.37	1	< 0.01
17	Fri	4.3	7.38	7.31	13		486		15		560		0.20		7			9.9		1.13	7	< 0.01
18	Sat	3.1	7.50	7.29	6	8	150	274	5	8	131	256	0.08	0.15	2	5		9.4		1.13	2	< 0.01
19	Sun	4.6	7.58	7.30	13		518		18		734		0.36		15			9.7		1.31	1	< 0.01
20	Mon	6.8	7.39	7.08	12		714		28		1709		0.35		21			10.4		1.24	20	< 0.01
21	Tue	4.1	7.47	7.30	8		299		12		427		0.18		6			10.6		1.24	1	< 0.01
22	Wed	3.1	7.50	7.37	7		170		12		309		0.26		7		1.86	10.8		1.01	6	< 0.01
23	Thu	3.4	7.57	7.43	11		325		9		244		0.62		18			10.9		1.20	2	< 0.01
24	Fri	4.2	7.39	7.27	14		524		21		770		0.65		24			10.6		1.22	7	< 0.01
25	Sat	5.0	7.46	7.19	8	10	356	415	26	18	1156	764	0.94	0.48	42	19		10.2		1.13	5	< 0.01
26	Sun	4.3	7.47	7.19	10		356		12		431		0.17		6			10.4		1.16	1	< 0.01
27	Mon	2.9	7.46	7.34	7		163		9		222		<0.01		0			10.6		1.14	1	< 0.01
28	Tue	2.9	7.53	7.43	7		173		10		247		0.07		2			10.4		1.24	3	< 0.01
29	Wed	4.3	7.50	7.42	9		355		21		793		0.10		4		2.33	10.3		1.30	8	< 0.01
30	Thu	2.9	7.53	7.42	6	8	139	237	12	14	285	430	<0.01	0.10	0	3		10.4		1.17	0	< 0.01
AVERAGE		3.9			8		285		12		422		0.23		8		2.09	10.5		1.18	3	< 0.01
MAXIMUM		6.8	7.70		14	10	714	415	28	18	1709	764	0.94	0.48	42	19	2.38	11.1		1.37	45	< 0.01
MINIMUM		2.9		6.95	4		116		3		95		<0.01		0		1.86	9.4		1.01	0	< 0.01
# OF DATA		30	30	30	30		30		30		30		30		30		5	30		30	30	30
TOTAL		116	223	216	250		8558		349		12670		7		245		10	313.7		35.45	155	< 0.01

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2101 Boyd Boulevard  
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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	Wed	80	130			22	0	257	6	2	81
2	Thu	80	60			24	0	267	6	2	81
3	Fri	100	90	20	27	21	0	275	6	2	84
4	Sat	80	60			22	0	269	6	2	85
5	Sun	90	60			23	0	267	6	2	88
6	Mon	110	60			24	0	263	6	2	80
7	Tue	80	70			24	0	257	6	2	82
8	Wed	120	100			25	0	258	6	2	81
9	Thu	140	100	14	54	37	0	249	6	2	83
10	Fri	100	80			23	0	242	6	2	84
11	Sat	80	60			24	0	239	6	2	84
12	Sun	60	60			26	0	245	6	2	85
13	Mon	140	100			36	0	248	6	2	85
14	Tue	120	100			26	0	244	6	2	91
15	Wed	80	60			22	0	240	6	2	86
16	Thu	60	60	27	27	21	0	239	6	2	90
17	Fri	100	80			23	0	242	6	2	86
18	Sat	90	60			24	0	242	6	2	87
19	Sun	10	100			36	0	243	6	2	88
20	Mon	180	140	34	20	38	0	248	6	2	90
21	Tue	100	80			26	0	248	6	2	101
22	Wed	60	70			24	0	250	6	2	87
23	Thu	80	60			27	0	252	6	2	87
24	Fri	90	80	27	14	27	0	259	6	2	88
25	Sat	100	100			40	0	254	6	2	87
26	Sun	110	80			41	0	262	6	2	87
27	Mon	80	60			28	0	254	6	2	86
28	Tue	60	60			34	0	253	6	2	86
29	Wed	100	80			30	0	259	6	2	86
30	Thu	80	60	27	20	26	0	263	6	2	86
AVERAGE		92	79	5	5	27		253	6	2	86
MAXIMUM		180	140	34	54	41		275	6	2	101
MINIMUM		10	60	14	14	21	0	239	6	2	80
# OF DATA		30	30	6	6	30	30	30	30	30	30
TOTAL		2760	2360	149	162	822		7587	180	68	2582

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		
<b>% Total Solids</b>		

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	Wed								90				97	33				62			241		
2	Thu								90				97	32				53			241		
3	Fri								90				97	26				48	0.47		241		
4	Sat								90				97	24				42			241		
5	Sun								90				97	26				47			240		
6	Mon		3.51	84.7	6.46	1.58	64.9	7.22	90	1.89	62.3	7.07	97	39	3.20	61.0	7.11	29			263		23
7	Tue								90				97	26				62			263		
8	Wed								90				97	26				63			264		
9	Thu								91				97	32				73			265	0.0	
10	Fri								91				97	23				46			245	18.5	
11	Sat								91				97	37				63			216	27.4	
12	Sun								92				97	37				62			200	14.3	
13	Mon		3.86	73.0	6.49	2.32	60.8	7.03	92	1.87	62.9	6.98	97	34	3.75	60.9	7.11	21			226		25
14	Tue								93				97	21				32			225		
15	Wed								93				97	33				58			224		
16	Thu								93				97	27				52			224		
17	Fri								93				97	28				52			224	0.0	
18	Sat								93				97	28				51	2.34		224		
19	Sun								93				97	41				79	0.54		226		
20	Mon		4.14	71.9	6.52	1.91	56.3	6.97	93	1.96	60.3	6.86	97	60	3.87	57.2	7.02	51			257		31
21	Tue								93				97	31				59			256		
22	Wed								93				97	35				60			256		
23	Thu								93				97	36				60			240	13.7	
24	Fri								93				97	39				77			233	6.8	
25	Sat								93				97	39				86			235		
26	Sun								93				97	48				88			234		
27	Mon		3.35	77.4	5.84	2.56	60.2	7.05	93	1.98	64.6	6.91	97	55	3.98	63.1	6.96	21			283		51
28	Tue								93				97	28				21			33		
29	Wed								93				97	42				22					37
30	Thu								93				97	13				13					
AVERAGE			3.72	76.8	6.33	2.09	60.6	7.07	92	1.93	62.5	6.96	97	33	3.70	60.6	7.05	52	1.12		217	2.7	6
MAXIMUM			4.14	84.7	6.52	2.56	64.9	7.22	93	1.98	64.6	7.07	97	60	3.98	63.1	7.11	88	2.34		283	27.4	51
MINIMUM			3.35	71.9	5.84	1.58	56.3	6.97	90	1.87	60.3	6.86	97	13	3.20	57.2	6.96	13	0.47				
# OF DATA			4	4	4	4	4	4	30	4	4	4	30	30	4	4	4	30	3	30	30	30	30
TOTAL			15	307	25	8	242	28	2758	8	250	28	2913	998	15	242	28	1552	3		6520	81	168

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 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 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:	April 1st	0.015	0.054	0.0020	0.013	0.078	<0.0001	0.0008	<0.002	0.001	0.015	<0.001	0.005	0.036	<0.0001	<0.0002	<0.002
2nd Date:	April 8th	0.008	0.041	0.0020	0.008	0.061	<0.0001	0.0004		0.001	0.020	<0.001	0.004	0.042	<0.0001	0.0002	
3rd Date:	April 13th									0.001	0.018	<0.001	0.006	0.042	<0.0001	<0.0002	<0.002
4th Date:	April 15th	0.008	0.072	0.0010	0.009	0.087	0.00230	0.0004	<0.002	0.002	0.015	<0.001	0.004	0.069	<0.0001	<0.0002	<0.002
5th Date:	April 17th									0.002	0.020	<0.001	0.007	0.040	<0.0001	0.0003	<0.002
6th Date:	April 22nd	0.018	0.075	0.0010	0.013	0.072	<0.0001	0.0005		0.002	0.019	<0.001	0.006	0.038	<0.0001	<0.0002	
7th Date:	April 29th	0.004	0.036	0.0010	0.005	0.061	<0.0001	0.0009	<0.002	0.002	0.022	<0.001	0.006	0.046	<0.0001	0.0003	<0.002
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		0.011	0.056	0.0014	0.010	0.072	0.00050	0.0006	<0.001	0.002	0.018	<0.0005	0.005	0.045	<0.00005	0.0002	<0.001
Maximum		0.015	0.072	0.0020	0.013	0.087	0.00230	0.0008	<0.002	0.002	0.020	<0.001	0.007	0.069	<0.00010	0.0003	<0.002

**Other Permit Analysis**

	Weekly Av FLOW in MGD	Monthly Average FLOW in MGD	Weekly Av CBOD in mg/L	Monthly Average CBOD in mg/L	Weekly Av CBOD in lbs/Day	Monthly Average CBOD in lbs/Day	Weekly Av TSS in mg/L	Monthly Average TSS in mg/L	Weekly Av TSS in lbs/Day	Monthly Average TSS in lbs/Day	Weekly Av NH3-N in mg/L	Monthly Average NH3-N in mg/L	Weekly Av NH3-N in lbs/Day	Monthly Average NH3-N in lbs/Day	Daily Dissolved Oxygen* in mg/L	pH	Chlorine Residual in mg/L	Daily Max Escherichia Coliform (Colonies /100mL)	Monthly Average Escherichia Coliform (Colonies /100mL)
Limit	None	None	40	25	3338	2086	45	30	3755	2504	2.70	1.80	225	150	6.0	6-9	0.06	235	125
Times Violated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max	4.7	4.0	10	8	415	285	18	12	764	422	0.48	0.23	19	8	9.4	7.70	< 0.01	45	3
% of Limit	67%	57%	26%	33%	12%	14%	40%	39%	20%	17%	18%	13%	8%	5%	157%				
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: Apr-15  
 LaPorte Wastewater Treatment Plant  
 2101 Boyd Boulevard, La Porte IN 46350  
 Phone # (219)362-2354

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

Total lbs Volatile Solids to Digester 6,512

### Monthly Removal Summary

Overall Percent Removal of Volatile Solids 53.5%

Percent Removal :	CBOD	TSS	AMMONIA
Primary Treatment :	24%	39%	-1%
Secondary Treatment :	81%	58%	32%
Adv. Sec. Treatment :	50%	59%	98%
Overall Treatment :	93%	89%	99%

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) 22081

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 447

Detention Time (Hours)	Maximum	Minimum	Average
Primary Settling Tank	4.2	1.7	3.0
Secondary Settling Tank	3.1	1.2	2.2
Final Settling Tank	9.7	3.8	7.0
Chlorine Contact Tank	0.67	0.26	0.48
Total Plant Retention Time	17.0	6.7	12.3

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

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 757

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

Surface Flow Rate	Maximum	Minimum	Average
Gallons per sq ft per Day	915	362	502
Primary Settling Tank	1208	478	662
Secondary Settling Tank	616	244	338
Final Settling Tank			

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	Maximum	Minimum	Average
1000 Gal per ft per Day	18	7	10
Primary Settling Tank	14	6	8
Secondary Settling Tank	14	6	8
Final Settling Tank			

### Monthly Comments Concerning Plant Operation:

4/5/2015 - Successful test of emergency power system  
 4/8/2015 - Re-started south half of fixed-nozzle trickling filter for summer operation  
 4/17/2015 - 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:	<b>La Porte</b>	Page: 1 of 2	Permit Number: <b>IN0025577</b>
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Facility: <b>La Porte Wastewater Treatment Facility</b>	Public Notification Requirements Met? <b>Y</b>
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Monitoring Period: <b>April 2015</b>	Check box if no CSO discharge occurred for the month: <b>X</b>
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Design Peak Inf. Flow(MGD)	<b>9.7</b>	Design Average Flow (MGD)	<b>7.0</b>	Measured/Metered (M) or Estimated (E) must be specified.
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WWTP Influent Data			Precipitation Data					CSO Outfall No. <b>002</b>					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	3.42	5.32																		
2	3.66	6.13	9:49 AM	0.2	0.12	0.07	HR													
3	4.38	5.31			0.01	0.01	HR													
4	3.03	4.02																		
5	3.60	5.26																		
6	3.75	5.05																		
7	3.22	4.04	2:02 AM	0.1	0.08	0.05	HR													
8	4.70	5.63	11:51 PM	0.2	0.17	0.13	HR													
9	5.88	10.00	12:00 AM	0.3	0.18	0.18	HR													
10	4.03	5.15																		
11	2.90	3.50																		
12	3.26	5.44																		
13	5.61	9.92	5:46 AM	0.4	0.23	0.15	HR													
14	4.56	5.15																		
15	3.05	5.04																		
16	3.05	3.73	3:41 AM	0.1	0.08	0.05	HR													
17	4.48	5.24																		
18	3.15	4.84																		
19	4.89	10.03	2:44 PM	1.1	0.70	0.18	HR													
20	7.32	10.11			0.01	0.01	HR													
21	4.27	5.26																		
22	3.09	3.77																		
23	3.45	5.28																		
24	4.40	5.29	11:40 PM	0.1	0.04	0.04	HR													
25	5.33	10.04	12:00 AM	0.7	0.45	0.10	HR													
26	4.50	5.41																		
27	2.96	3.68																		
28	2.96	3.70																		
29	4.53	5.20																		
30	2.98	4.36																		
31																				
<b>Totals:</b>	<b>120.40</b>			<b>3.13</b>	<b>2.07</b>					<b>0.0</b>										

Typed or Printed Name and Title of Principal Executive Officer of Authorized Agent	Telephone
<b>Jerry P Jackson, Superintendent</b>	<b>219-362-2354</b>

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
	<b>06/15/2015</b>



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

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INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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

Day of Month	Comments (further explanation as to why each CSO event occurred)
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Typed or Printed Name and Title of Principal Executive Officer of Authorized Agent	Telephone
<b>Jerry P Jackson, Superintendent</b>	<b>219-362-2354</b>
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Signature of Principal Executive Officer or Authorized Agent	Date
	<b>06/15/2015</b>