

**MONTHLY REPORT OF OPERATION**

**Trickling Filter Wastewater Treatment Plant**

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

Page 1 of 6  
 Permit # IN0025577  
 Expires 12-31-2014  
 Certified Operator : Jerry P Jackson  
 Certification Number : 11496

					Raw Sewage				Primary Effluent				Secondary Effluent				Rotary Filter		Fixed-Bed Filter		Trickling Filters		Biotowers				
Day of the Month	Day of the Week	Total Flow in MGal/Day	Weekly Average Flow in MGal/Day	Precip in inches	Collection System Overflow 'X' if occurred	Diversion to CSO Basin At site hours	CSO Basin Overflow in MGal/Day	pH	CBOD in mg/L	TSS in mg/L	NH3 in mg/L	pH	CBOD in mg/L	TSS in mg/L	NH3 in mg/L	pH	CBOD in mg/L	TSS in mg/L	NH3 in mg/L	Flow in MG/Day	Cleaning in Minutes	Flow in MG/Day	Cleaning in Minutes	Secondary Recirc. Ratio	Flow in MG/Day	Tertiary Recirc. Ratio	Cleaning in Minutes
1	Mon	4.1		0.03			0.00	7.32	90	81	17.60	7.25	57	32	15.30	7.12	8	14	5.36	4.6		2.1		0.64	5.6	0.37	90
2	Tue	4.3		0.06		0.1	0.00	7.46	92	66	16.10	7.44	83	46	23.90	7.33	13	21	9.55	4.6	120	2.2		0.61	5.5	0.28	
3	Wed	3.9		0.01			0.00	7.38	99	82	31.20	7.30	95	32	27.70	7.20	16	20	16.30	4.7		2.2		0.75	5.1	0.29	
4	Thu	5.1		0.01		0.7	0.00	7.49	235	120	35.50	7.51	87	54	19.60	7.37	23	27	13.30	5.0		2.8		0.52	6.4	0.27	
5	Fri	6.2		0.74		5.2	0.00	7.38	65	80	10.10	7.31	64	57	14.20	7.24	12	31	7.26	5.3		2.9		0.32	8.7	0.41	
6	Sat	7.5	5.1	0.02		2.1	0.00	7.47	41	46	9.37	7.39	36	34	9.55	7.31	9	18	5.15	6.4		3.5		0.32	10.4	0.39	
7	Sun	5.0		0.01			0.00	7.42	67	56	18.00	7.36	50	26	13.00	7.32	12	14	6.05	5.0		3.1		0.59	7.1	0.41	
8	Mon	3.8		0.01			0.00	7.30	89	97	26.40	7.17	116	50	35.30	7.07	20	22	19.25	4.7		2.1		0.78	5.0	0.30	
9	Tue	4.0					0.00	7.45	230	82	93.30	7.38	125	58	35.80	7.34	20	27	24.50	4.6		2.3		0.73	6.2	0.55	
10	Wed	7.7		1.05		15.3	0.00	7.60	93	56	39.05	7.31	65	40	19.60	7.16	11	26	14.20	6.6		3.3		0.27	10.2	0.32	
11	Thu	8.7		0.01		1.6	0.00	7.26	50	30	7.52	7.12	57	38	13.40	6.89	11	15	4.34	7.0		3.6		0.22	11.5	0.33	
12	Fri	5.4		0.07			0.00	7.36	77	84	12.80	7.14	60	44	17.70	6.93	14	19	11.40	5.5		3.1		0.59	8.1	0.50	
13	Sat	5.0	5.7	0.02			0.00	7.60	78	90	11.45	7.58	56	44	12.80	7.53	13	21	5.92	4.9		2.5		0.46	6.7	0.34	
14	Sun	3.8					0.00	7.43	75	84	15.00	7.34	54	34	14.90	7.22	7	18	7.41	4.7		1.8		0.70	5.2	0.34	
15	Mon	4.1		0.09			0.00	7.59	113	67	52.00	7.29	74	34	22.20	7.02	12	17	14.20	4.7		2.2		0.67	5.7	0.40	
16	Tue	3.9					0.00	7.31	115	136	15.90	7.16	108	48	21.30	7.05	13	23	12.70	4.7		2.4		0.78	5.3	0.34	
17	Wed	4.0		0.01			0.00	7.42	69	136	17.55	7.33	103	46	25.20	7.12	15	22	17.90	4.7		2.4		0.75	5.1	0.26	
18	Thu	4.3		0.01			0.00	7.44	87	94	37.40	7.40	86	44	26.95	7.23	19	28	21.10	4.7		2.4		0.66	6.5	0.53	
19	Fri	4.9		0.01		0.4	0.00	7.52	134	152	23.00	7.39	86	60	19.50	7.37	21	28	15.40	4.8		2.0		0.40	6.8	0.40	
20	Sat	5.6	4.4	0.43		6.5	0.00	7.33	97	124	11.55	7.23	85	68	12.70	7.13	14	30	7.64	5.5		2.4		0.41	7.4	0.33	
21	Sun	7.2		0.08		2.4	0.00	7.26	52	28	7.06	7.23	42	44	9.08	7.18	11	25	5.22	6.3		3.5		0.36	10.2	0.41	
22	Mon	4.5					0.00	7.33	360	69	40.30	7.28	104	40	18.80	7.05	31	18	11.85	4.9		2.5	240	0.65	5.7	0.26	
23	Tue	3.9		0.01			0.00	7.38	102	76	18.90	7.28	105	52	26.50	7.01	24	26	16.40	4.7		2.3		0.80	5.2	0.34	
24	Wed	3.9					0.00	7.32	96	65	16.05	7.20	80	56	20.80	7.19	21	13	14.40	4.7		2.3		0.81	5.8	0.50	
25	Thu	3.9					0.00	7.38	108	106	16.70	7.20	90	56	24.15	7.04	22	24	16.50	4.6		2.3		0.77	5.4	0.37	
26	Fri	4.3					0.00	7.37	109	80	15.10	7.32	71	47	21.70	7.03	15	25	14.10	4.6		2.0		0.56	6.1	0.43	
27	Sat	3.6	4.5	0.01			0.00	7.22	108	48	15.80	7.15	70	32	17.00	6.98	11	11	10.70	4.6		1.8		0.77	5.2	0.43	
28	Sun	3.2		0.01			0.00	7.31	125	78	16.20	7.26	81	46	16.40	7.05	15	17	10.10	4.6		1.8		1.01	4.4	0.37	
29	Mon	3.7		0.01			0.00	7.26	143	108	17.70	7.22	90	56	22.10	7.00	27	21	16.30	4.6		2.1		0.81	5.3	0.42	
30	Tue	4.3					0.00	7.42	107	80	15.90	7.35	70	44	22.20	7.12	18	16	12.70	4.6		2.3		0.59	6.4	0.48	
AVERAGE		4.8		0.09		1.1	0.00	7.39	110	83	22.68	7.30	78	45	19.98	7.15	16	21	12.24	5.0	4	2.5	8	0.61	6.6	0.38	3
MAXIMUM		8.7	5.7	1.05		15.3	0.00	7.60	360	152	93.30	7.58	125	68	35.80	7.53	31	31	24.50	7.0	120	3.6	240	1.01	11.5	0.55	90
MINIMUM		3.2		0.00		0.0	0.00	7.22	41	28	7.06	7.12	36	26	9.08	6.89	7	11	4.34	4.6	120	1.8	240	0.22	4.4	0.26	90
# OF DATA		30		30		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	1	30	1		30		1
TOTAL		144		2.71		34	0	222	3302	2501	681	219	2351	1362	599	215	474	636	367	151	120	74	240		198		90

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Page 2 of 6

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## Final Effluent

Day of the Month	Day of the Week	Effluent Flow in MGal/Day	Maximum Daily pH	Minimum Daily pH	CBOD in mg/L	CBOD weekly av in mg/L	CBOD in lbs/Day	CBOD weekly av in lbs/Day	TSS in mg/L	TSS weekly av in mg/L	TSS in lbs/Day	TSS weekly av in lbs/Day	NH3-N in mg/L	NH3-N weekly av in mg/L	NH3-N in lbs/Day	NH3-N weekly av in lbs/Day	Dissolved Oxygen in mg/L	Aerators run in hours	Chlorine Tank Residual in mg/L	Escherichia Coliform (Colonies /100mL)	Effluent Chlorine Residual in mg/L
1	Mon	3.3	7.37	6.95	3		109		2		68		0.35		12		8.3		1.27	34	< 0.01
2	Tue	3.5	7.30	7.00	4		135		5		178		0.40		14		8.0		1.26	20	< 0.01
3	Wed	3.2	7.22	6.96	6		187		3		98		1.55		51		7.9		1.28	168	< 0.01
4	Thu	4.1	7.52	6.91	10		411		11		466		3.00		127		7.9		1.33	118	< 0.01
5	Fri	5.1	7.65	6.96	7		341		13		672		0.86		44		8.0		1.30	108	< 0.01
6	Sat	6.3	6.94	6.78	6	6	375	255	7	6	437	291	0.41	0.98	26	41	8.0		1.40	73	< 0.01
7	Sun	4.2	7.21	7.06	7		282		3		126		0.37		16		8.3		1.18	22	< 0.01
8	Mon	3.1	7.26	6.97	6		191		5		159		1.09		35		8.3		1.21	29	< 0.01
9	Tue	3.3	7.23	7.10	7		217		8		266		2.08		69		7.8		1.21	65	< 0.01
10	Wed	6.4	7.21	6.63	6		394		12		775		2.55		165		7.8		1.23	551	< 0.01
11	Thu	7.3	6.94	6.74	8		549		9		650		2.30		166		8.5		1.28	63	< 0.01
12	Fri	4.8	7.30	6.87	6		272		6		272		1.33		60		8.1		1.34	30	< 0.01
13	Sat	4.6	7.73	6.99	5	6	205	301	10	8	419	381	0.54	1.47	23	76	8.2		1.21	25	< 0.01
14	Sun	3.6	7.31	7.04	5		157		5		160		0.31		10		8.2		1.30	4	< 0.01
15	Mon	3.8	7.29	7.10	5		161		5		171		0.75		26		8.6		1.16	65	< 0.01
16	Tue	3.7	7.20	7.10	5		151		9		280		1.00		33		8.4		1.44	5	< 0.01
17	Wed	3.7	7.34	7.13	6		188		5		168		1.21		41		8.2		1.31	29	< 0.01
18	Thu	4.0	7.26	7.08	9		326		12		425		1.97		70		8.5		1.49	9	< 0.01
19	Fri	4.5	7.38	7.05	7		284		13		527		1.84		75		8.1		1.32	23	< 0.01
20	Sat	5.1	7.35	6.88	10	7	453	246	13	9	607	334	1.20	1.18	56	44	7.9		1.39	60	< 0.01
21	Sun	6.6	7.05	6.79	6		344		14		844		0.38		23		9.4		1.28	50	< 0.01
22	Mon	4.1	7.25	6.98	10		362		3		112		0.52		19		9.7		1.42	7	< 0.01
23	Tue	3.7	7.27	6.99	12		381		12		374		1.56		51		9.2		1.42	40	< 0.01
24	Wed	3.6	7.23	6.88	9		281		8		258		1.07		35		9.3		1.29	9	< 0.01
25	Thu	3.7	7.30	6.90	8		264		7		228		1.46		48		9.2		1.47	5	< 0.01
26	Fri	4.0	7.23	6.89	8		280		10		354		1.57		56		8.9		1.48	7	< 0.01
27	Sat	3.4	7.25	6.90	7	8	200	302	5	8	152	332	0.71	1.04	22	36	9.2		1.11	2	< 0.01
28	Sun	3.1	7.37	7.16	5		123		6		160		0.50		13		9.2		1.37	3	< 0.01
29	Mon	3.5	7.21	6.95	6		193		10		311		0.77		24		8.7		1.31	1	< 0.01
30	Tue	4.0	7.29	6.93	9		322		5		181		0.76		28		8.7		1.37	45	< 0.01
AVERAGE		4.2			7		271		8		330		1.15		48		8.5		1.31	23	< 0.01
MAXIMUM		7.3	7.73		12	8	549	302	14	9	844	381	3.00	1.47	166	76	9.7		1.49	551	< 0.01
MINIMUM		3.1		6.63	3		109		2		68		0.31		10		7.8		1.11	1	< 0.01
# OF DATA		30	30	30	30		30		30		30		30		30		30		30	30	30
TOTAL		127	218	209	203		8138		235		9902		34		1434		254.5		39.43	1670	< 0.01

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Page 3 of 6

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### 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	Mon	90	80			22	0	255	6	2	79		
2	Tue	100	80			22	0	258	6	2	79		
3	Wed	80	60			22	0	255	6	2	77		
4	Thu	120	60			29	0	250	2	2	109		
5	Fri	120	120			31	0	250	6	2	119		
6	Sat	180	140			31	0	255	6	2	88		
7	Sun	100	60			23	0	277	6	2	89		
8	Mon	80	60			22	0	282	6	2	97		
9	Tue	100	60			22	0	272	6	2	86		
10	Wed	160	120			33	0	258	6	2	85		
11	Thu	180	180			22	0	256	6	2	86		
12	Fri	120	80	20	34	20	0	267	6	2	88		
13	Sat	100	100			23	0	271	6	2	89		
14	Sun	90	60			24	0	268	6	2	84		
15	Mon	60	80			24	0	262	6	2	84		
16	Tue	90	80			23	0	257	6	2	84		
17	Wed	90	60			24	0	254	6	2	84		
18	Thu	100	80			23	0	230	6	2	89		
19	Fri	120	100			23	0	257	6	2	84		
20	Sat	120	80			32	0	257	6	2	83		
21	Sun	180	180			30	0	262	6	2	83		
22	Mon	120	100	27	27	22	0	278	6	2	82		
23	Tue	120	60			25	0	279	6	2	83		
24	Wed	60	80			24	0	270	6	2	55		
25	Thu	100	60			20	0	263	6	2	83		
26	Fri	80	100	20	20	24	0	259	6	2	82		
27	Sat	100	40			22	0	254	6	2	89		
28	Sun	80	80			24	0	254	6	2	83		
29	Mon	100	80		20	24	0	260	6	2	86		
30	Tue	100	80			24	0	268	6	2	88		
AVERAGE		108	87	2	3	24		261	6	2	86		
MAXIMUM		180	180	27	34	33		282	6	2	119		
MINIMUM		60	40	20	20	20	0	230	2	2	55		
# OF DATA		30	30	3	4	30	30	30	30	30	30		
TOTAL		3240	2600	68	101	733		7837	176	66	2581		

Secondary Digester		Date:
Sample Taken by Grab Method		
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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Page 4 of 6  
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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	Mon		2.36	67.7	6.53	2.56	52.5	6.96	92	2.11	55.0	6.80	97	25	3.71	57.0	6.91	20			342	16.6	25
2	Tue								92				97	19				33			341	0.7	
3	Wed								92				97	21				44			341		
4	Thu								92				97	26				49			341		
5	Fri								92				97	37				72	0.15		342	15.2	
6	Sat								92				97	28				63	0.07		342	26.6	
7	Sun								92				97	20				39			341	25.9	
8	Mon		2.52	75.2	6.52	3.99	54.9	6.99	92	1.72	57.9	6.83	97	30	4.36	57.8	6.92	0			341	10.1	35
9	Tue								92				97	0				0			341		
10	Wed								92				97	52				101			344		
11	Thu								92				97	7				8			344		
12	Fri								92				97	37				86			343		
13	Sat								91				97	25				38			343		
14	Sun								91				97	27				53			343		
15	Mon		2.43	76.7	6.67	3.13	58.1	7.08	91	1.81	59.8	6.96.00	97	23	3.48	55.9	6.99	11			342		27
16	Tue								91				97	17				29			342		
17	Wed								91				97	15				31			341		
18	Thu								91				97	25				39	0.32		341	12.8	
19	Fri								91				97	18				38			341	22.0	
20	Sat								91				97	30				54	0.86		342		
21	Sun								91				97	31				72			342		
22	Mon		3.41	71.3	6.45	2.11	58.6	6.94	91	1.62	56.9	6.83	97	29	3.79	56.6	6.94	7			341		34
23	Tue								91				97	31				48			341		
24	Wed								91				97	0				2			340		
25	Thu								91				97	43				81	1.10		340		
26	Fri								91				97	9				16			340		
27	Sat								91				97	29				59	1.69		340		
28	Sun								91				97	26				48			339		
29	Mon		2.49	80.3	6.45	2.81	54.5	6.90	91	1.79	56.7	6.84	97	36	3.64	55.6	6.85	7			339		46
30	Tue								91				97	1				0			340		
AVERAGE			2.64	74.2	6.52	2.92	55.7	6.97	91	1.81	57.3	144.66	97	24	3.80	56.6	6.92	38	0.70		341	4.3	6
MAXIMUM			3.41	80.3	6.67	3.99	58.6	7.08	92	2.11	59.8	696.00	97	52	4.36	57.8	6.99	101	1.69		344	26.6	46
MINIMUM			2.36	67.7	6.45	2.11	52.5	6.90	91	1.62	55.0	6.80	97	0	3.48	55.6	6.85	0	0.07		339		
# OF DATA			5	5	5	5	5	5	30	5	5	5	30	30	5	5	5	30	6	30	30	30	30
TOTAL			13	371	33	15	279	35	2744	9	286	723	2909	718	19	283	35	1147	4		10241	130	167

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Page 5 of 6

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Expires 12-31-2014

Certified Operator : Jerry P Jackson

Certification Number : 11496

## NPDES LIMITS AND ANALYSIS

**Metals and Cyanide Analysis : All results are given in mg/l**

INFLUENT								EFFLUENT							
Method: 24 hour composite								Site: Post Rake Room							
Site: Post Disinfection															
Sample Characteristics		Cr	Cu	Pb	Ni	Zn	CN, Free	Cr	Cu	Pb	Ni	Zn	CN, Free		
Sample Number															
Sample Type	Permit Condition	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	GRAB	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	GRAB		
	Monitored	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	GRAB	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	GRAB		
Frequency	Permit Condition	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual		
	Monitored	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual		
Parameter Limits	Daily Maximum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Monthly Average	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
1st Date :	September 10th	0.008	0.026	<0.005	0.010	0.055	<0.002	<0.005	0.017	<0.005	0.006	0.029	<0.002		
2nd Date :	September 15th						<0.002						<0.002		
3rd Date :	September 22nd						<0.002						<0.002		
4th Date :	September 24th	0.007	0.038	<0.005	0.007	0.051	<0.002	<0.005	0.016	<0.005	0.006	0.034	<0.002		
5th Date :	September 29th						<0.002						<0.002		
Number of times Limit Value exceeded:		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Average		0.008	0.032	<0.003	0.009	0.053	<0.001	<0.003	0.017	<0.003	0.006	0.032	<0.001		
Maximum		0.008	0.038	<0.005	0.010	0.055	<0.002	<0.005	0.017	<0.005	0.006	0.034	<0.002		

Additional samples for CN, FREE were taken on September 8th: Influent = <0.002, Effluent = <0.002 and on September 17th: Influent = <0.002, Effluent = <0.002 but were not included in this table due to space limitations.

**Other Permit Analysis**

	Weekly Av FLOW in MGD	Monthly Average FLOW in MGD	Weekly Av CBOD in mg/L	Monthly Average CBOD in mg/L	Weekly Av CBOD in lbs/Day	Monthly Average CBOD in lbs/Day	Weekly Av TSS in mg/L	Monthly Average TSS in mg/L	Weekly Av TSS in lbs/Day	Monthly Average TSS in lbs/Day	Weekly Av NH3-N in mg/L	Monthly Average NH3-N in mg/L	Weekly Av NH3-N in lbs/Day	Monthly Average NH3-N in lbs/Day	Daily Dissolved Oxygen* in mg/L	pH	Chlorine Residual in mg/L	Daily Max Escherichia Coliform (/100mL)	Mnthly Av Escherichia Coliform (/100mL)
Limit	None	None	30	20	2504	1669	36	24	3004	2003	2.40	1.60	200	134	6.0	6-9	0.06	235	125
Times Violated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max	5.7	4.8	8	7	302	271	9	8	381	330	1.47	1.15	76	48	7.8	7.73	< 0.01	551	23
% of Limit	81%	69%	28%	34%	12%	16%	24%	33%	13%	16%	61%	72%	38%	36%	130%				
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: Sep-14  
 LaPorte Wastewater Treatment Plant  
 2101 Boyd Boulevard, La Porte IN 46350  
 Phone # (219)362-2354

Page 6 of 6  
 Permit # IN0025577  
 Expires 12-31-2014  
 Certified Operator : Jerry P Jackson  
 Certification Number : 11496

Total lbs Volatile Solids to Digester 3,995

Overall Percent Removal of Volatile Solids 54.8%

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 25,913

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 476

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

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 858

Rotary Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 34

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

#### Monthly Removal Summary

Percent Removal :	CBOD	TSS	AMMONIA
Primary Treatment :	29%	46%	12%
Secondary Treatment :	80%	53%	39%
Adv. Sec. Treatment :	57%	63%	91%
Overall Treatment :	94%	91%	95%

Detention Time (Hours)	Maximum	Minimum	Average
Primary Settling Tank	3.8	1.4	2.5
Secondary Settling Tank	2.8	1.0	1.9
Final Settling Tank	8.8	3.2	5.9
Chlorine Contact Tank	0.61	0.22	0.40
Total Plant Retention Time	15.4	5.7	10.3

Surface Flow Rate	Maximum	Minimum	Average
Gallons per sq ft per Day			
Primary Settling Tank	1083	400	600
Secondary Settling Tank	1430	528	792
Final Settling Tank	729	269	404

Weir OverFlow Rate	Maximum	Minimum	Average
1000 Gal per ft per Day			
Primary Settling Tank	21	8	12
Secondary Settling Tank	17	6	9
Final Settling Tank	17	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:

9/8/2014 - Successful test of emergency power system  
 9/22/2014 - Successful test of emergency power system

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines or imprisonment for knowing violations.

Certified Operator Signature: \_\_\_\_\_ Certification # : 11496

Executive Officer OR Authorized Agent Signature: \_\_\_\_\_



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

State Form 50546 (R3 / 7-13)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

City: <b>La Porte</b>		Page: 1 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>September 2014</b>		Check box if no CSO discharge occurred for the month: <input checked="" type="checkbox"/>			<b>X</b>															
Design Peak Inf. Flow(MGD) <b>9.7</b>		Design Average Flow (M) <b>7.0</b>		Measured/Metered (M) or Estimated (E) must be specified.																
WWTP Influent Data		Precipitation Data			CSO Outfall No. <b>002</b>															
Day of Month	Avg Infl. Flow Rate (MGD)	Peak Infl. Flow Rate (MGD)	Time Precip. began (AM/PM)	Precip. Duration (HOURS)	Total Daily Precip. (inches)	Peak Intensity (Inch/Hr)	Measurement Interval (hr, 30min, 15min)	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	
1	4.09	6.16	12:00 AM	0.1	0.03	0.01	HR													
2	4.27	5.65	4:06 PM	0.1	0.06	0.03	HR													
3	3.94	5.75			0.01	0.01	HR													
4	5.08	9.65			0.01	0.01	HR													
5	6.20	10.05	6:05 PM	0.8	0.74	0.50	HR													
6	7.49	10.11	12:00 AM	0.0	0.02	0.02	HR													
7	5.04	9.78			0.01	0.01	HR													
8	3.81	5.68			0.01	0.01	HR													
9	3.99	5.70																		
10	7.75	10.14	6:03 AM	1.3	1.05	0.48	HR													
11	8.66	10.13			0.01	0.01	HR													
12	5.43	9.25	11:20 PM	0.1	0.07	0.05	HR													
13	5.02	8.24	12:00 AM	0.0	0.02	0.03	HR													
14	3.84	5.74																		
15	4.10	5.77	6:47 PM	0.1	0.09	0.05	HR													
16	3.95	5.89																		
17	4.03	5.70			0.01	0.01	HR													
18	4.25	5.98			0.01	0.01	HR													
19	4.86	9.01			0.01	0.00	HR													
20	5.60	10.16	3:32 PM	0.3	0.43	0.42	HR													
21	7.23	10.08	1:55 AM	0.1	0.08	0.07	HR													
22	4.48	8.60																		
23	3.90	5.55			0.01	0.01	HR													
24	3.87	5.58																		
25	3.91	5.57																		
26	4.25	6.19																		
27	3.64	4.95			0.01	0.01	HR													
28	3.20	3.92			0.01	0.01	HR													
29	3.73	5.92			0.01	0.01	HR													
30	4.34	5.35																		
31																				
Totals:		143.95		2.92	2.71					0.0										
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>12/03/2014</b>							



**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: 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>September 2014</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>
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>12/03/2014</b>