

**MONTHLY REPORT OF OPERATION**

**Trickling Filter Wastewater Treatment Plant**

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

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

					Raw Sewage							Primary Effluent				Secondary Effluent				Rotary Filter		Fixed-Bed Filter		Trickling Filters		Biotowers	
Day of the Month	Day of the Week	Total Flow in MGal/Day	Weekly Average Flow 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	Tue	9.8		0.21		22.7	0.00	7.36	70	34	8.81	7.17	70	68	10.40	7.12	12	29	7.04	7.4		3.7		0.13	12.5	0.28	
2	Wed	9.0				16.9	0.00	7.38	95	88	14.75	7.33	82	82	15.00	7.31	16	41	10.90	7.4		3.4		0.19	11.3	0.26	
3	Thu	7.1		0.17		3.1	0.00	7.39	111	100	15.90	7.30	91	88	18.00	7.29	15	37	13.10	7.4		2.2		0.36	8.7	0.24	
4	Fri	6.0				0.7	0.00	7.52	65	96	14.30	7.22	68	46	13.45	7.19	10	32	10.30	6.1		2.5		0.43	7.9	0.32	
5	Sat	5.6	7.2				0.00	7.42	140	54	23.20	7.35	128	52	25.20	7.36	16	27	15.30	4.8		2.6		0.33	7.3	0.31	
6	Sun	5.5				0.2	0.00	7.52	145	90	16.40	7.39	118	72	16.50	7.40	16	27	11.80	5.0		2.8		0.42	7.8	0.41	
7	Mon	5.8		0.08		0.1	0.00	7.41	150	102	21.90	7.38	150	58	24.00	7.33	20	34	17.05	6.2		1.9	240	0.38	7.4	0.27	
8	Tue	5.5		0.16		0.1	0.00	7.45	190	108	18.80	7.45	145	62	18.80	7.48	18	29	12.80	5.1		3.2		0.49	7.9	0.43	60
9	Wed	5.7				0.9	0.00	7.45	64	61	10.80	7.29	61	60	14.00	7.21	12	24	10.30	5.3	60	2.4		0.35	8.3	0.46	
10	Thu	4.7					0.00	7.43	68	154	12.40	7.33	59	126	15.15	7.25	9	55	10.10	4.8		2.4		0.55	6.2	0.33	
11	Fri	4.5					0.00	7.39	106	210	14.20	7.32	68	66	13.60	7.20	11	22	9.89	4.8		2.0		0.49	5.8	0.28	
12	Sat	5.6	5.3	0.17		1.3	0.00	7.46	107	132	10.60	7.26	71	74	12.20	7.19	10	24	8.21	6.0		2.5		0.51	8.3	0.47	
13	Sun	9.3		0.70		18.7	0.00	7.62	43	62	6.29	7.25	43	104	6.66	7.13	9	44	5.19	7.4		3.8		0.20	12.1	0.30	
14	Mon	8.3		0.28		10.9	0.00	7.45	65	46	9.44	7.24	58	74	9.00	7.21	13	35	7.05	6.7		3.5	80	0.22	11.2	0.34	
15	Tue	6.4		0.12		1.2	0.00	7.57	160	122	18.20	7.46	108	60	15.90	7.45	26	29	9.87	6.9		2.5		0.46	9.6	0.49	
16	Wed	4.8		0.03			0.00	7.49	117	76	20.45	7.40	115	80	22.50	7.37	21	30	16.20	4.9		3.1		0.67	6.6	0.36	
17	Thu	5.5		0.01		0.4	0.00	7.59	105	56	15.20	7.45	70	66	17.75	7.42	16	35	12.70	4.8		2.4		0.33	8.3	0.52	
18	Fri	4.7					0.00	7.40	105	56	20.00	7.28	78	40	18.50	7.24	15	23	13.20	5.0		2.2		0.55	6.9	0.48	
19	Sat	4.5	6.2				0.00	7.49	122	64	24.85	7.42	121	56	26.50	7.41	33	32	19.70	4.8		1.8		0.47	6.1	0.35	
20	Sun	4.5					0.00	7.52	121	106	20.30	7.48	107	67	21.95	7.45	18	36	17.20	4.8		1.8		0.48	6.2	0.38	
21	Mon	5.5					0.00	7.56	58	60	11.70	7.44	58	46	15.60	7.26	12	23	11.40	4.7		2.5		0.32	8.8	0.59	
22	Tue	5.0					0.00	7.51	130	104	16.80	7.43	103	70	14.90	7.39	15	18	10.75	4.9		2.4		0.46	6.5	0.30	
23	Wed	4.8		0.10			0.00	7.48	210	156	21.30	7.40	140	80	21.30	7.35	20	31	13.60	4.8		2.4		0.51	6.2	0.28	
24	Thu	4.5					0.00	7.53	118	56	17.20	7.44	101	40	18.40	7.40	11	18	12.40	4.7		2.6		0.61	6.6	0.47	
25	Fri	4.7					0.00	7.44	103	106	10.20	7.31	62	49	11.70	7.23	11	18	8.62	4.8		2.5		0.57	6.6	0.42	
26	Sat	5.4	4.9				0.00	7.42	78	90	10.80	7.25	64	68	11.50	7.18	10	27	8.30	4.9		3.4		0.53	8.0	0.47	
27	Sun	4.5		0.05			0.00	7.37	138	204	13.40	7.30	81	64	12.80	7.33	12	25	10.00	4.7		1.8		0.45	6.4	0.43	
28	Mon	4.3					0.00	7.34	97	176	17.70	7.23	83	66	16.50	7.20	16	29	11.95	4.7		2.4		0.65	5.8	0.34	
29	Tue	4.4					0.00	7.54	159	142	21.30	7.41	94	78	21.80	7.31	16	39	15.50	4.7		2.4		0.62	5.7	0.30	
30	Wed	5.0					0.00	7.58	119	125	18.05	7.37	90	84	19.40	7.30	19	38	14.20	4.8		2.9		0.53	7.4	0.48	
31	Thu	4.7	4.4				0.00	7.66	73	118	16.30	7.37	68	76	19.25	7.31	12	27	14.30	4.8		3.0		0.65	6.3	0.32	
AVERAGE		5.7		0.07		2.5	0.00	7.48	111	102	15.86	7.35	89	68	16.72	7.30	15	30	11.90	5.4	2	2.6	10	0.45	7.8	0.38	2
MAXIMUM		9.8	7.2	0.70		22.7	0.00	7.66	210	210	24.85	7.48	150	126	26.50	7.48	33	55	19.70	7.4	60	3.8	240	0.67	12.5	0.59	60
MINIMUM		4.3		0.00		0.0	0.00	7.34	43	34	6.29	7.17	43	40	6.66	7.12	9	18	5.19	4.7	60	1.8	80	0.13	5.7	0.24	60
# OF DATA		31		31		31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	1	31	2		31		1
TOTAL		176		2.08		77	0	232	3431	3154	492	228	2753	2122	518	226	468	937	369	168	60	81	320		241		60

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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	Tue	8.4	7.26	6.85	5		425		10		818		0.53		43		7.9		1.29	57	< 0.01
2	Wed	7.8	7.46	7.10	6		467		16		1205		0.85		64		7.8		1.25	96	< 0.01
3	Thu	6.1	7.32	7.09	5		306		17		1001		0.66		39		8.3		1.21	27	< 0.01
4	Fri	5.2	7.35	7.03	5		245		13		649		0.56		28		8.4		1.17	21	< 0.01
5	Sat	4.8	7.45	6.84	4	5	196	330	6	13	280	815	0.73	0.57	34	35	8.5		1.08	2	< 0.01
6	Sun	4.7	7.46	7.30	4		201		11		481		0.44		20		7.7		1.23	22	< 0.01
7	Mon	5.0	7.54	7.20	7		317		7		341		0.63		31		7.6		1.28	128	< 0.01
8	Tue	4.7	7.54	7.26	8		345		7		322		0.54		25		7.8		1.20	165	< 0.01
9	Wed	4.9	7.43	7.09	6		270		11		520		0.34		16		8.2		1.21	60	< 0.01
10	Thu	4.0	7.40	7.21	5		175		42		1618		0.29		11		8.1		1.20	5	< 0.01
11	Fri	3.8	7.42	7.16	4		167		8		304		0.20		8		8.5		1.16	1	< 0.01
12	Sat	4.8	7.52	6.83	5	5	249	246	13	14	610	599	0.31	0.39	15	18	8.3		1.01	5	< 0.01
13	Sun	8.0	7.39	7.07	8		637		29		2213		0.36		28		7.8		1.19	89	< 0.01
14	Mon	7.1	7.30	6.98	7		487		20		1356		0.73		51		8.6		1.20	16	< 0.01
15	Tue	5.6	7.35	7.16	12		645		11		565		1.00		54		9.2		1.19	42	< 0.01
16	Wed	4.1	7.72	7.16	6		245		14		563		0.99		40		9.3		1.10	74	< 0.01
17	Thu	4.7	7.50	7.17	6		250		17		751		0.73		33		9.1		1.11	70	< 0.01
18	Fri	4.1	7.44	7.19	6		239		5		196		0.83		33		8.8		1.33	8	< 0.01
19	Sat	3.8	7.47	7.17	6	7	220	389	8	15	299	849	1.26	0.84	47	41	8.6		1.21	6	< 0.01
20	Sun	3.9	7.38	7.15	6		239		16		598		0.98		37		8.1		1.21	3	< 0.01
21	Mon	4.8	7.47	7.15	7		337		14		646		0.54		25		7.9		1.19	36	< 0.01
22	Tue	4.1	7.53	7.23	6		257		3		104		0.54		22		7.8		1.13	3	< 0.01
23	Wed	4.0	7.46	7.14	6		241		10		401		0.48		19		7.7		1.17	20	< 0.01
24	Thu	3.8	7.43	7.28	6		234		3		94		0.67		25		8.2		1.29	30	< 0.01
25	Fri	3.9	7.37	7.07	6		225		5		194		0.21		8		8.8		1.26	47	< 0.01
26	Sat	4.6	7.36	6.80	6	6	267	257	18	10	814	407	0.40	0.55	18	22	8.7		1.24	12	< 0.01
27	Sun	3.7	7.47	7.10	8		280		9		336		0.42		16		8.3		1.37	39	< 0.01
28	Mon	3.7	7.31	7.17	9		322		8		286		0.48		17		8.4		1.27	5	< 0.01
29	Tue	3.7	7.49	7.15	6		228		14		515		0.99		36		8.6		1.18	23	< 0.01
30	Wed	4.1	7.48	7.08	9		364		15		627		0.81		34		8.4		1.28	151	< 0.01
31	Thu	3.9	7.33	7.10	7	7	265	271	10	11	375	395	0.52	0.68	21	25	8.5		1.19	64	< 0.01
AVERAGE		4.8			6		301		12		616		0.61		29		8.3		1.21	22	< 0.01
MAXIMUM		8.4	7.72		12	7	645	389	42	15	2213	849	1.26	0.84	64	41	9.3		1.37	165	< 0.01
MINIMUM		3.7		6.80	4		167		3		94		0.20		8		7.6		1.01	1	< 0.01
# OF DATA		31	31	31	31		31		31		31		31		31		31		31	31	31
TOTAL		150	230	220	197		9345		386		19082		19		897		257.9		37.40	1327	< 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	Tue	240	180			42	0	265	5	2	80		
2	Wed	210	180			28	0	264	6	2	80		
3	Thu	180	120	27	27	27	0	269	6	2	80		
4	Fri	130	100			21	0	279	6	2	80		
5	Sat	120	100			20	0	284	6	2	80		
6	Sun	50	90			21	0	275	6	2	83		
7	Mon	230	110			26	0	265	6	2	79		
8	Tue	172	90			29	0	268	6	2	79		
9	Wed	130	90			26	0	270	6	2	79		
10	Thu	100	90			23	0	271	6	2	79		
11	Fri	90	70	20	27	21	0	265	6	2	80		
12	Sat	110	100			30	0	261	6	2	78		
13	Sun	180	160			40	0	266	6	2	83		
14	Mon	190	160			28	0	274	6	2	78		
15	Tue	150	100	27		21	0	272	6	2	78		
16	Wed	120	80			20	0	275	6	2	79		
17	Thu	140	120			21	0	274	6	2	78		
18	Fri	100	80			21	0	274	6	2	79		
19	Sat	80	80			20	0	272	6	2	79		
20	Sun	140	70			21	0	265	6	2	79		
21	Mon	120	90			24	0	256	6	2	79		
22	Tue	120	80			22	0	257	6	3	82		
23	Wed	110	80			25	0	254	6	2	80		
24	Thu	120	80	20	61	26	0	258	6	2	82		
25	Fri	100	80			26	0	253	6	2	81		
26	Sat	120	90			25	0	251	6	2	85		
27	Sun	80	70			26	0	246	6	2	80		
28	Mon	90	80			27	0	255	6	2	80		
29	Tue	90	80			28	0	249	6	2	82		
30	Wed	120	80			26	0	278	6	2	80		
31	Thu	100	120			22	0	280	6	2	80		
AVERAGE		130	100	3	4	25		266	6	2	80		
MAXIMUM		240	180	27	61	42		284	6	3	85		
MINIMUM		50	70	20	27	20	0	246	5	2	78		
# OF DATA		31	31	4	3	31	31	31	31	31	31		
TOTAL		4032	3100	95	115	783		8243	185	70	2482		

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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		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								93				97	26				39			244	37.3	
2	Wed								93				97	17				35	1.10		244	42.8	
3	Thu								93				97	19				38			232	36.5	
4	Fri								93				97	12				20			209	30.9	
5	Sat								93				97	13				34			208	41.5	
6	Sun								93				97	19				36			208	40.4	
7	Mon		3.60	64.6	6.50	2.19	51.8	7.18	93	2.40	51.7	7.04	97	32	3.93	53.8	7.08	9			245	41.7	38
8	Tue								93				97	5				0			245	40.6	
9	Wed								93				97	20				26			244		
10	Thu								93				97	22				42			243		
11	Fri								93				97	13				26			242		
12	Sat								93				97	22				43	0.12		243		
13	Sun								93				97	26				58			244		
14	Mon		3.32	68.2	6.87	2.36	57.8	7.12	92	2.35	57.0	7.03	97	41	4.12	55.9	7.07	14			283	17.7	38
15	Tue								93				97	20				27			283	30.5	
16	Wed								93				97	22				43			282	30.4	
17	Thu								93				97	16				33			263	28.3	
18	Fri								92				96	12				29			247	34.4	
19	Sat								92				96	14				26			246	39.6	
20	Sun								92				96	17				34			246	24.5	
21	Mon		3.05	69.2	6.33	2.67	51.6	7.07	92	2.25	51.4	7.06	96	24	3.87	57.2	7.08	2			272	1.2	26
22	Tue								92				97	10				13			271	14.5	
23	Wed								92				97	14				28			271	23.0	
24	Thu								92				97	19				27			270	12.0	
25	Fri								92				97	18				38			269		
26	Sat								92				97	17				42			269		
27	Sun								92				97	15				29			268		
28	Mon		3.71	71.7	6.14	3.24	53.8	6.99	92	2.78	55.1	6.98	97	32	4.12	55.6	6.98	15			299	40.3	31
29	Tue								92				97	39				62	0.27		298	56.2	
30	Wed								91				97	11				26	0.24		298	51.9	
31	Thu								91				97	32				55			282	34.9	
AVERAGE			3.42	68.4	6.46	2.62	53.8	7.09	92	2.45	53.8	7.03	97	20	4.01	55.6	7.05	31	0.43		257	24.2	4
MAXIMUM			3.71	71.7	6.87	3.24	57.8	7.18	93	2.78	57.0	7.06	97	41	4.12	57.2	7.08	62	1.10		299	56.2	38
MINIMUM			3.05	64.6	6.14	2.19	51.6	6.99	91	2.25	51.4	6.98	96	5	3.87	53.8	6.98	0	0.12		208		
# OF DATA			4	4	4	4	4	4	31	4	4	4	31	31	4	4	4	31	4	31	31	31	31
TOTAL			14	274	26	10	215	28	2864	10	215	28	2999	618	16	223	28	948	2		7967	751	133

# MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Page 5 of 6

Date: Jul-14

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

Permit # IN0025577

Expires 12-31-2014

Certified Operator : Jerry P Jackson

Certification Number : 11496

## NPDES LIMITS AND ANALYSIS

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

INFLUENT								EFFLUENT							
Method: 24 hour composite								Site: Post Disinfection							
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 :	July 2nd, 2014	0.006	0.031	<0.005	0.006	0.048		<0.005	0.014	<0.005	0.006	0.034			
2nd Date :	July 16th, 2014	0.006	0.068	<0.005	0.006	0.110		<0.005	0.017	<0.005	<0.005	0.029			
3rd Date :	July 30th, 2014	0.007	0.046	<0.005	0.008	0.057	<0.005	<0.005	0.023	<0.005	0.006	0.033	<0.005		
4th Date :															
5th Date :															
Number of times Limit Value exceeded:		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Average		0.006	0.048	<0.003	0.007	0.072	<0.003	<0.003	0.018	<0.003	0.005	0.032	<0.003		
Maximum		0.007	0.068	<0.005	0.008	0.110	<0.005	<0.005	0.023	<0.005	0.006	0.034	<0.005		

**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	7.2	5.7	7	6	389	301	15	12	849	616	0.84	0.61	41	29	7.6	7.72	< 0.01	165	22
% of Limit	103%	81%	24%	32%	16%	18%	40%	52%	28%	31%	35%	38%	20%	22%	127%				
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: Jul-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 4,933

Overall Percent Removal of Volatile Solids 42.2%

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 30,782

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 513

Fixed Bed Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 60

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 1,009

Rotary Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 46

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

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

### Monthly Removal Summary

Percent Removal :	CBOD	TSS	AMMONIA
Primary Treatment :	20%	33%	-5%
Secondary Treatment :	83%	56%	29%
Adv. Sec. Treatment :	58%	59%	95%
Overall Treatment :	94%	88%	96%

Detention Time (Hours)	Maximum	Minimum	Average
Primary Settling Tank	2.8	1.2	2.2
Secondary Settling Tank	2.1	0.9	1.6
Final Settling Tank	6.5	2.9	5.0
Chlorine Contact Tank	0.45	0.20	0.34
Total Plant Retention Time	11.5	5.0	8.7

Surface Flow Rate	Maximum	Minimum	Average
Gallons per sq ft per Day			
Primary Settling Tank	1225	537	709
Secondary Settling Tank	1618	709	935
Final Settling Tank	825	361	477

Weir OverFlow Rate	Maximum	Minimum	Average
1000 Gal per ft per Day			
Primary Settling Tank	24	10	14
Secondary Settling Tank	19	8	11
Final Settling Tank	19	8	11

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:

7/14 and 7/28 - 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	<b>2</b>	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>July 2014</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 (M	<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	9.80	10.12	12:00 AM	0.3	0.21	0.21	HR													
2	9.03	10.13																		
3	7.06	10.07	2:54 AM	0.3	0.17	0.16	HR													
4	5.99	9.89																		
5	5.60	7.15																		
6	5.49	9.31																		
7	5.84	8.52	3:13 AM	0.1	0.08	0.07	HR													
8	5.51	9.59	6:14 AM	0.2	0.16	0.08	HR													
9	5.67	9.94																		
10	4.67	6.07																		
11	4.55	6.00																		
12	5.62	9.96	9:25 AM	0.3	0.17	0.09	HR													
13	9.31	10.11	12:57 AM	0.8	0.70	0.57	HR													
14	8.34	10.10	1:46 PM	0.2	0.28	0.26	HR													
15	6.45	10.09	7:57 PM	0.1	0.12	0.11	HR													
16	4.82	6.94	12:00 AM	0.1	0.03	0.02	HR													
17	5.46	9.27			0.01	0.01	HR													
18	4.70	9.91																		
19	4.48	5.90																		
20	4.48	6.80																		
21	5.53	6.81																		
22	4.97	9.54																		
23	4.81	7.19	1:21 AM	0.2	0.10	0.09	HR													
24	4.52	5.78																		
25	4.66	6.66																		
26	5.42	10.07																		
27	4.48	6.28	2:11 PM	0.1	0.05	0.04	HR													
28	4.29	5.97																		
29	4.41	5.99																		
30	5.01	6.64																		
31	4.73	7.77																		
Totals:	175.73			2.60	2.08							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>July 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)
1	
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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>
<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
	<b>12/03/2014</b>