

**MONTHLY REPORT OF OPERATION**

Trickling Filter Wastewater Treatment Plant

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Date: May-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

					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 Overflow 'X' if occurred	Diversion to CSO Basin At site hours	CSO Basin Overflow MGal/Day	pH	CBOD in mg/L	TSS in mg/L	NH3 in mg/L	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	Thu	4.6		0.07			0.00	7.66	106	162	11.40	7.58	140	66	17.40	7.54	20	24	11.10	4.6		2.2		0.50	6.2	0.36	
2	Fri	4.0		0.02			0.00	7.65	108	120	7.01	7.53	120	60	14.70	7.56	16	14	8.68	4.5		1.9		0.60	6.3	0.56	
3	Sat	4.8		0.05			0.00	7.70	96	100	5.88	7.50	75	226	6.97	7.46	12	13	4.91	4.5		1.8		0.33	7.4	0.56	
4	Sun	4.2					0.00	7.61	108	130	5.91	7.61	77	60	7.45	7.59	15	22	5.56	4.7		1.8	160	0.52	5.8	0.38	90
5	Mon	3.8				2.2	0.00	7.62	210	135	18.70	7.50	165	68	20.50	7.43	33	28	12.45	4.5		2.0		0.71	5.9	0.53	
6	Tue	4.7				0.8	0.00	7.67	87	98	7.26	7.48	168	58	17.90	7.51	23	37	12.80	4.7		2.2		0.46	7.2	0.53	
7	Wed	4.1					0.00	7.59	295	170	29.55	7.51	191	80	19.30	7.47	36	39	11.00	4.6		2.2		0.65	6.1	0.51	
8	Thu	4.2				0.9	0.00	7.54	245	140	24.40	7.47	140	74	18.35	7.46	31	34	11.90	4.4		2.1		0.57	6.7	0.61	
9	Fri	7.9		0.37		8.2	0.00	7.57	145	124	6.53	7.48	99	67	8.20	7.49	26	29	7.93	6.7		2.7		0.19	8.8	0.12	
10	Sat	4.6	4.8				0.00	7.69	80	50	5.96	7.39	98	52	9.80	7.30	16	20	8.39	5.3		1.8		0.55	6.8	0.47	
11	Sun	4.4		0.87		3.9	0.00	7.61	68	198	4.83	7.38	73	84	6.11	7.30	17	24	5.69	5.0		2.2		0.65	5.9	0.35	
12	Mon	9.5		0.01		17.9	0.00	7.43	72	51	3.10	7.33	68	64	3.61	7.19	6	26	3.70	7.2		3.4		0.12	9.5	0.01	
13	Tue	9.9		1.10		23.2	0.00	7.44	33	114	2.48	7.24	44	82	4.55	7.16	10	40	3.10	7.2		3.7		0.11	9.6	-0.02	
14	Wed	9.7		0.28		19.0	0.00	7.45	52	53	4.12	7.39	83	72	9.06	7.30	36	35	5.86	7.1		3.7		0.11	9.6	-0.01	
15	Thu	9.7		0.05		21.0	0.00	7.47	37	34	3.42	7.40	38	82	4.83	7.34	10	38	4.14	7.1		3.6		0.10	9.6	-0.02	
16	Fri	9.7		0.06		13.0	0.00	7.46	132	270	10.50	7.39	65	94	7.95	7.40	22	49	6.16	7.1		3.6		0.11	9.5	-0.02	
17	Sat	6.3	8.4	0.04			0.00	7.57	106	58	5.35	7.42	48	46	5.20	7.36	11	28	3.93	6.3		2.0		0.32	8.0	0.28	
18	Sun	5.3					0.00	7.47	80	72	5.23	7.40	53	62	7.01	7.31	10	32	4.22	4.6		2.2		0.28	7.2	0.36	
19	Mon	4.5				0.2	0.00	7.59	108	207	7.19	7.44	66	90	9.62	7.29	16	47	6.23	4.8		2.1		0.52	6.1	0.35	
20	Tue	4.5		1.37		2.1	0.00	7.48	160	130	6.36	7.42	74	76	11.10	7.42	15	31	6.18	4.7		2.3		0.57	5.9	0.31	
21	Wed	9.7				22.0	0.00	7.37	52	75	3.20	7.36	66	136	6.47	7.20	15	60	4.95	7.0		3.6		0.09	9.5	-0.02	
22	Thu	9.7				16.2	0.00	7.49	44	44	3.84	7.35	44	84	4.77	7.24	15	53	4.10	7.0		3.6		0.09	9.5	-0.02	
23	Fri	6.6				1.1	0.00	7.47	63	60	5.59	7.36	52	68	10.20	7.31	14	45	7.31	5.0		2.6		0.15	9.2	0.40	
24	Sat	5.4	6.5				0.00	7.43	60	66	4.48	7.35	55	52	5.44	7.30	13	36	3.99	4.6		1.8		0.19	8.7	0.62	
25	Sun	4.7					0.00	7.44	62	52	5.59	7.34	53	70	7.63	7.29	15	35	4.21	4.7		1.9		0.40	6.7	0.41	
26	Mon	4.7		0.37		3.1	0.00	7.42	98	140	7.15	7.31	80	108	7.65	7.25	21	42	4.29	4.9		2.3		0.52	6.1	0.31	
27	Tue	7.9		0.18		8.4	0.00	7.51	128	104	16.40	7.42	97	76	15.30	7.35	40	52	9.83	6.0		3.0		0.13	9.4	0.20	
28	Wed	9.4		0.85		20.6	0.00	7.41	42	59	5.52	7.32	64	76	8.32	7.24	21	46	8.19	6.9		3.3		0.09	12.9	0.38	
29	Thu	9.0				10.5	0.00	7.51	46	66	9.67	7.41	44	152	12.85	7.30	15	55	9.37	6.8		3.4		0.14	12.3	0.37	
30	Fri	5.4					0.00	7.43	120	86	9.26	7.35	67	72	16.00	7.19	17	43	12.50	4.6		1.9	180	0.22	8.5	0.59	
31	Sat	5.5	6.6				0.00	7.57	60	116	9.50	7.38	60	84	11.70	7.21	18	39	7.11	4.8		1.9		0.21	8.6	0.56	
AVERAGE		6.4		0.18		6.3	0.00	7.53	100	106	8.24	7.41	83	82	10.19	7.35	19	36	7.09	5.5		2.5	11	0.33	8.0	0.32	3
MAXIMUM		9.9	8.4	1.37		23.2	0.00	7.70	295	270	29.55	7.61	191	226	20.50	7.59	40	60	12.80	7.2		3.7	180	0.71	12.9	0.62	90
MINIMUM		3.8		0.00		0.0	0.00	7.37	33	34	2.48	7.24	38	46	3.61	7.16	6	13	3.10	4.4		1.8	160	0.09	5.8	-0.02	90
# OF DATA		31		31		31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	2			31		1
TOTAL		198		5.69		194	0	233	3102	3284	255	230	2566	2541	316	228	581	1115	220	172		78	340		250		90

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 Certified Operator : Jerry P Jackson  
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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	Thu	3.8	7.54	7.43	10		391		8		285		0.36		14		9.5		1.18	5	< 0.01
2	Fri	3.4	7.54	7.32	6		188		2		67		0.61		20		9.7		1.21	4	< 0.01
3	Sat	4.0	7.50	7.34	8		297		5		198		0.30		12		10.4		1.12	23	< 0.01
4	Sun	3.6	7.67	7.20	6		211		12		423		0.21		7		10.4		1.14	1	< 0.01
5	Mon	3.2	7.48	7.34	7		214		4		128		0.39		12		10.3		1.22	2	< 0.01
6	Tue	4.0	7.55	7.39	9		350		9		334		1.06		42		9.7		1.22	30	< 0.01
7	Wed	3.4	7.55	7.36	17		565		8		271		0.77		26		8.9		1.21	5	< 0.01
8	Thu	3.5	7.73	7.27	9		308		11		381		1.09		38		8.2		1.01	34	< 0.01
9	Fri	6.6	7.39	7.13	12		786		4		262		0.86		56		8.1		1.17	53	< 0.01
10	Sat	4.0	7.46	7.14	4	9	165	371	5	8	192	284	0.69	0.72	26	30	8.5		1.23	2	< 0.01
11	Sun	3.7	7.40	7.26	8		273		5		182		0.31		11		9.4		1.06	3	< 0.01
12	Mon	7.8	7.16	7.01	4		301		12		949		0.23		18		8.5		1.22	28	< 0.01
13	Tue	8.2	7.16	6.89	5		419		23		1850		0.22		18		8.4		1.21	13	< 0.01
14	Wed	8.1	7.19	7.03	6		493		13		1050		0.64		52		8.9		1.20	17	< 0.01
15	Thu	8.2	7.28	7.02	4		358		14		1097		0.21		17		9.8		1.18	71	< 0.01
16	Fri	8.1	7.22	7.05	6		483		15		1207		0.67		54		9.9		1.26	52	< 0.01
17	Sat	5.5	7.38	7.17	5	5	251	368	7	13	366	957	0.21	0.36	11	26	10.7		1.18	10	< 0.01
18	Sun	4.6	7.36	7.17	5		211		18		791		0.15		7		9.8		1.27	9	< 0.01
19	Mon	3.8	7.31	7.23	5		172		15		562		0.16		6		9.8		1.29	1	< 0.01
20	Tue	3.8	7.45	7.28	5		173		11		395		0.15		6		9.4		1.30	4	< 0.01
21	Wed	8.0	7.19	7.06	9		755		25		2030		1.01		82		8.9		1.25	24	< 0.01
22	Thu	8.0	7.31	7.03	5		381		18		1459		0.29		24		8.4		1.26	27	< 0.01
23	Fri	5.6	7.20	7.03	5		280		13		713		0.46		25		8.8		1.22	9	< 0.01
24	Sat	4.6	7.33	6.73	5	5	201	310	15	16	670	946	0.21	0.35	9	23	9.1		1.35	2	< 0.01
25	Sun	4.1	7.55	6.68	4		173		5		177		0.14		6		8.6		1.11	16	< 0.01
26	Mon	3.9	7.39	7.16	7		257		16		623		0.14		5		9.0		1.27	4	< 0.01
27	Tue	6.6	7.46	7.20	9		570		19		1245		0.30		20		7.8		1.26	55	< 0.01
28	Wed	7.8	7.35	6.99	7		538		11		858		0.40		31		8.0		1.27	9	< 0.01
29	Thu	7.7	7.22	7.08	8		561		27		1981		0.54		40		8.2		1.32	8	< 0.01
30	Fri	4.6	7.37	7.16	6		273		16		715		0.61		27		8.5		1.25	8	< 0.01
31	Sat	4.8	7.46	7.24	6	7	296	381	17	16	785	912	0.16	0.33	7	20	8.7		1.09	5	< 0.01
AVERAGE		5.4			7		351		12		718		0.44		24		9.1		1.21	9	< 0.01
MAXIMUM		8.2	7.73		17	9	786	381	27	16	2030	957	1.09	0.72	82	30	10.7		1.35	71	< 0.01
MINIMUM		3.2		6.68	4		165		2		67		0.14		5		7.8		1.01	1	< 0.01
# OF DATA		31	31	31	31		31		31		31		31		31		31		31	31	31
TOTAL		167	229	221	209		10894		380		22248		14		731		282.3		37.53	534	< 0.01

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LaPorte Wastewater Treatment Plant  
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	Thu	115	80	14	14	45	0	268	6	2	71		
2	Fri	115	60			39	0	264	6	2	80		
3	Sat	110	80			27	0	266	6	2	75		
4	Sun	100	65			22	0	259	6	2	75		
5	Mon	120	75			22	0	258	6	2	79		
6	Tue	80	80			22	0	264	6	2	93		
7	Wed	140	80			21	0	266	7	2	86		
8	Thu	100	70	20	20	20	0	268	6	2	74		
9	Fri	220	130			40	0	273	6	2	77		
10	Sat	160	40			22	0	273	6	2	79		
11	Sun	100	120			25	0	268	6	2	80		
12	Mon	220	50	27	47	40	0	265	6	2	79		
13	Tue	260	170			35	0	294	6	2	73		
14	Wed	260	180			29	0	300	6	2	74		
15	Thu	250	200			29	0	288	6	2	81		
16	Fri	220	160	27	34	24	0	292	6	2	77		
17	Sat	150	95			23	0	286	6	2	85		
18	Sun	120	80			34	0	282	6	2	78		
19	Mon	120	80			28	0	275	6	2	80		
20	Tue	100	60			23	0	276	6	2	77		
21	Wed	240	160			38	0	260	6	2	78		
22	Thu	240	180	27	20	29	0	273	6	2	75		
23	Fri	160	120			24	0	265	6	2	75		
24	Sat	125	80			26	0	279	6	2	76		
25	Sun	125	80			25	0	282	6	2	81		
26	Mon	104	60			28	0	275	6	2	76		
27	Tue	216	120			30	0	271	6	2	75		
28	Wed	230	80	27	108	35	0	273	6	2	88		
29	Thu	140	200			26	0	275	6	2	79		
30	Fri	180	100			22	0	278	6	2	77		
31	Sat	100	100			24	0	274	6	2	78		
AVERAGE		159	104	5	8	28		274	6	2	78		
MAXIMUM		260	200	27	108	45		300	7	2	93		
MINIMUM		80	40	14	14	20	0	258	6	2	71		
# OF DATA		31	31	6	6	31	31	31	31	31	31		
TOTAL		4920	3235	142	243	879		8491	187	70	2430		

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	Thu								93				97	38				4					43
2	Fri								93				97	22				0			26		15
3	Sat								93				97	15				23			42		
4	Sun								93				97	8				17	0.13		41		
5	Mon		3.83	76.4	6.43	2.17	62.9	7.11	93	1.96	63.0	7.04	97	36	3.76	61.4	7.08	69			40		
6	Tue								93				97	17				39			39		
7	Wed								93				97	13				29			39		
8	Thu								93				97	11				25			25	13.0	
9	Fri								93				97	24				57			9	14.8	
10	Sat								93				97	14				31			9		
11	Sun								93				97	18				43			12	0.0	
12	Mon		3.98	70.7	7.10	2.45	57.7	7.16	93	2.08	57.6	7.06	97	54	3.78	61.0	7.16	29			47		35
13	Tue								93				97	24				44			50		
14	Wed								93				97	21				37			51		
15	Thu								93				97	43				70			52		
16	Fri								93				97	18				38			52		
17	Sat								93				97	18				28			51		
18	Sun								93				97	26				54			50		
19	Mon		2.72	66.9	6.59	1.26	45.2	7.21	93	2.05	62.9	7.06	97	44	3.49	60.1	7.12	14			87		37
20	Tue								93				97	16				38			91		
21	Wed								93				97	54				104			91		
22	Thu								93				97	24				44			70	19.5	
23	Fri								93				97	50				93			44	24.0	
24	Sat								93				97	17				34			44		
25	Sun								93				97	22				37			43		
26	Mon		3.24	67.1	6.37	1.91	72.5	7.23	93	2.09	57.5	7.03	97	29	4.04	56.9	7.13	0			85		40
27	Tue								93				97	1				0			85		
28	Wed								93				97	31				42			87		
29	Thu								93				97	30				51			87		
30	Fri								93				97	15				30	0.26		86		
31	Sat								93				97	14				29			85		
AVERAGE			3.44	70.3	6.62	1.95	59.6	7.18	93	2.05	60.3	7.05	97	25	3.77	59.9	7.12	37	0.20		54	2.3	5
MAXIMUM			3.98	76.4	7.10	2.45	72.5	7.23	93	2.09	63.0	7.06	97	54	4.04	61.4	7.16	104	0.26		91	24.0	43
MINIMUM			2.72	66.9	6.37	1.26	45.2	7.11	93	1.96	57.5	7.03	97	1	3.49	56.9	7.08	0	0.13		9		
# OF DATA			4	4	4	4	4	4	31	4	4	4	31	31	4	4	4	31	2	31	31	31	31
TOTAL			14	281	26	8	238	29	2880	8	241	28	3004	769	15	239	28	1154	0		1660	71	170

# MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Page 5 of 6

Date: May-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 :	May 7th, 2014	0.017	0.075	0.009	0.012	0.160		<0.005	0.020	<0.005	0.006	0.032			
2nd Date :	May 21st, 2014	0.005	0.030	0.007	0.005	0.056	<0.005	<0.005	0.027	<0.005	<0.005	0.034	<0.005		
3rd Date :															
4th Date :															
5th Date :															
Number of times Limit Value exceeded:		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Average		0.011	0.053	0.008	0.009	0.108	<0.003	<0.003	0.024	<0.003	0.004	0.033	<0.003		
Maximum		0.017	0.075	0.009	0.012	0.160	<0.005	<0.005	0.027	<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 (/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	8.4	6.4	9	7	381	351	16	12	957	718	0.72	0.44	30	24	7.8	7.73	< 0.01	71	9
% of Limit	121%	91%	30%	34%	15%	21%	45%	51%	32%	36%	30%	27%	15%	18%	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: May-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 5,719

Overall Percent Removal of Volatile Solids 36.9%

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 31,346

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 525

Fixed Bed Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 58

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 1,046

Rotary Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 49

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

Biotower Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 6

### Monthly Removal Summary

Percent Removal :	CBOD	TSS	AMMONIA
Primary Treatment :	17%	23%	-24%
Secondary Treatment :	77%	56%	30%
Adv. Sec. Treatment :	64%	66%	94%
Overall Treatment :	93%	88%	95%

Detention Time (Hours)	Maximum	Minimum	Average
Primary Settling Tank	3.2	1.2	1.9
Secondary Settling Tank	2.3	0.9	1.4
Final Settling Tank	7.3	2.9	4.4
Chlorine Contact Tank	0.51	0.20	0.30
Total Plant Retention Time	12.8	5.0	7.7

Surface Flow Rate	Maximum	Minimum	Average
Gallons per sq ft per Day			
Primary Settling Tank	1232	480	798
Secondary Settling Tank	1627	633	1054
Final Settling Tank	829	323	537

Weir OverFlow Rate	Maximum	Minimum	Average
1000 Gal per ft per Day			
Primary Settling Tank	24	9	15
Secondary Settling Tank	19	8	13
Final Settling Tank	19	7	12

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:

May 5, 11, 19 - Successful test of emergency power

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>																
Facility: <b>La Porte Wastewater Treatment Facility</b>		Public Notification Requirements Met? <b>Y</b>																		
Monitoring Period: <b>May 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 (MGD) <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	4.56	8.65	12:00 AM	0.1	0.07	0.02	HR													
2	4.02	5.88	12:00 AM	0.0	0.02	0.01	HR													
3	4.75	5.65	1:15 AM	0.1	0.05	0.03	HR													
4	4.23	8.84																		
5	3.84	5.45																		
6	4.71	8.94																		
7	4.06	7.30																		
8	4.15	6.24																		
9	7.86	10.02	2:49 AM	0.6	0.37	0.12	HR													
10	4.60	6.81																		
11	4.37	10.04	7:44 PM	1.0	0.87	0.50	HR													
12	9.48	10.15			0.01	0.01	HR													
13	9.86	10.18	12:44 AM	1.4	1.10	0.49	HR													
14	9.69	10.18	0:56 PM	0.5	0.28	0.08	HR													
15	9.75	10.15	12:46 AM	0.1	0.05	0.03	HR													
16	9.65	10.17	8:13 AM	0.1	0.06	0.03	HR													
17	6.27	10.03	12:00 AM	0.1	0.04	0.02	HR													
18	5.27	7.58																		
19	4.49	8.88																		
20	4.51	9.99	9:28 PM	1.1	1.37	1.22	HR													
21	9.74	10.12																		
22	9.72	10.21																		
23	6.58	10.15																		
24	5.36	6.15																		
25	4.72	9.58																		
26	4.67	9.98	7:40 PM	0.5	0.37	0.29	HR													
27	7.86	10.12	9:05 PM	0.2	0.18	0.15	HR													
28	9.36	10.19	3:38 AM	0.7	0.85	0.80	HR													
29	8.97	10.14																		
30	5.36	6.02																		
31	5.54	9.41																		
Totals:		<b>197.95</b>		<b>6.25</b>	<b>5.69</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>08/11/2014</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>May 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>
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>08/11/2014</b>