

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Jul-2015
 LaPorte Wastewater Treatment Plant
 2101 Boyd Boulevard
 LaPorte IN, 46350
 Phone # (219)362-2354

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Permit # IN0025577

Expires 12-31-2014

Certified Operator : Jerry P Jack

Certification Number : 11496

								Raw Sewage					Primary Effluent					Secondary Effluent					Rotary Filter		Fixed-Bed Filter		Trickling Filters		Biotowers	
Day of the Month	Day of the Week	Total Flow in MGal/Day	Weekly Average Flow MGal/Day	Precip in inches	Collection System 'X' if occurred	Diversion to CSO Basin At site hours	CSO Basin Overflow in MGal/Day	pH	CBOD in mg/L	TSS in mg/L	NH3 in mg/L	Total P in mg/L	pH	CBOD in mg/L	TSS in mg/L	NH3 in mg/L	Total P in mg/L	pH	CBOD in mg/L	TSS in mg/L	NH3 in mg/L	Total P in mg/L	Flow in MG/Day	Cleaning in Minutes	Flow in MG/Day	Cleaning in Minutes	Secondary Recirc. Ratio	Flow in MG/Day	Tertiary Recirc. Ratio	Cleaning in Minutes
1	Wed	4.6					0.0	7.63	93	95	12.9	2.23	7.52	69	48	12.1	2.18	7.26	21	15	6.2	1.75	4.8		2.4		0.55	6.9	0.50	
2	Thu	3.5					0.0	7.55	120	208	17.6		7.45	83	58	14.7		7.26	30	25	6.3		4.8		2.0		0.97	4.9	0.43	
3	Fri	4.6					0.0	7.79	94	98	10.7		7.57	64	50	11.8		7.32	27	16	6.4		4.8		1.8		0.44	7.0	0.52	
4	Sat	4.1	4.9				0.0	7.67	70	98	12.6		7.56	51	46	13.0		7.28	14	18	6.7		4.8		1.8		0.62	5.6	0.36	
5	Sun	3.3					0.0	7.55	115	116	16.8		7.50	71	42	17.6		7.28	19	13	7.9		4.7		2.2		1.13	4.9	0.51	
6	Mon	4.4					0.0	7.50	85	70	13.6		7.44	75	36	13.5		7.32	16	13	6.5		4.7		2.4		0.61	6.8	0.54	
7	Tue	5.1		0.21		0.8	0.0	7.60	123	188	18.4		7.51	74	62	13.7		7.32	22	21	5.3		5.1		3.4		0.67	7.1	0.41	
8	Wed	3.4		0.17			0.0	7.87	76	87	16.4	2.79	7.55	87	54	17.4	2.82	7.32	16	8	7.4	2.33	4.7		2.9		1.28	4.9	0.47	
9	Thu	8.5		0.80		13.1	0.0	7.56	42	116	5.8		7.46	42	68	8.2		7.26	16	28	5.1		6.6		3.4		0.19	11.2	0.31	
10	Fri	5.1					0.0	7.65	88	78	10.8		7.46	62	53	12.3		7.28	18	25	6.5		4.8		1.8		0.31	7.7	0.53	
11	Sat	3.6	4.8	0.01			0.0	7.56	100	84	13.7		7.44	66	68	13.5		7.25	16	17	6.5		4.8		1.8		0.81	5.7	0.55	
12	Sun	3.6		0.01			0.0	7.48	103	72	14.6		7.40	63	48	15.1		7.19	15	19	7.6		4.7		2.2		0.89	5.1	0.40	
13	Mon	7.9		0.85		12.8	0.0	7.58	52	104	6.4		7.41	44	58	7.1		7.23	14	26	3.8		6.4		3.3		0.23	10.7	0.35	
14	Tue	5.2					0.0	7.68	82	82	10.9		7.59	73	32	11.3		7.34	12	13	5.0		4.8		2.4		0.40	8.1	0.56	
15	Wed	5.0					0.0	7.58	92	71	14.7	2.50	7.50	55	54	12.4	2.33	7.30	16	16	6.5	1.66	4.8		2.4		0.42	7.6	0.51	
16	Thu	5.3		0.35		1.6	0.0	7.88	88	102	11.4		7.49	69	56	11.2		7.26	22	26	5.6		4.9		2.1		0.33	8.7	0.64	
17	Fri	7.9		1.01		10.2	0.0	7.64	45	114	5.0		7.51	32	80	7.3		7.23	11	34	4.6		6.4		3.1		0.19	11.0	0.39	
18	Sat	7.2	6.0	1.54		7.3	0.0	7.57	40	118	5.1		7.50	38	88	7.5		7.32	12	29	4.4		6.0		2.8		0.23	9.6	0.34	
19	Sun	9.8		0.01		23.9	0.0	7.45	25	62	4.8		7.34	27	98	5.8		7.22	8	37	3.3		7.3		3.9		0.14	12.4	0.27	
20	Mon	9.7		0.01		18.9	0.0	7.37	32	44	5.3		7.29	33	58	6.4		7.20	12	31	3.6		7.3		3.8		0.14	12.4	0.27	
21	Tue	8.5				8.1	0.0	7.82	47	28	6.4		7.46	45	30	5.7		7.22	13	16	2.9		6.6		3.4		0.18	11.2	0.31	
22	Wed	4.7				0.5	0.0	7.67	84	101	10.9	2.36	7.53	63	44	11.4	2.36	7.32	16	16	6.2	2.01	4.7	90	2.3		0.49	6.6	0.41	
23	Thu	4.1					0.0	7.55	105	80	11.9		7.48	64	50	14.5		7.29	19	16	7.4		4.7		1.9		0.63	5.8	0.42	
24	Fri	5.2					0.0	7.55	68	102	10.7		7.48	50	44	11.8		7.29	15	20	6.0		4.7		1.9		0.25	7.7	0.47	
25	Sat	3.7	6.5				0.0	7.50	110	86	14.4		7.43	77	52	14.6		7.24	20	18	6.3		4.7		1.8		0.73	4.2	0.14	
26	Sun	4.5					0.0	7.47	70	78	9.8		7.40	66	38	11.8		7.23	16	20	6.6		4.7		2.1		0.53	7.0	0.55	
27	Mon	4.5					0.0	7.55	75	70	12.6		7.43	64	66	14.2		7.25	14	21	6.6		4.8		2.4		0.58	6.3	0.38	
28	Tue	3.6					0.0	7.47	113	88	13.9		7.42	88	42	13.3		7.23	19	21	6.5		4.8		2.4		0.96	4.0	0.10	
29	Wed	4.9					0.0	7.47	90	105	11.8	2.27	7.42	73	52	11.4	2.30	7.28	18	22	5.7	2.09	4.7		2.3		0.44	7.1	0.45	
30	Thu	4.9					0.0	7.60	78	60	11.3		7.52	54	42	12.3		7.30	20	15	6.6		4.8		2.0		0.37	7.3	0.48	
31	Fri	3.7	4.4				0.0	7.57	120	164	14.1		7.44	76	54	14.5		7.29	22	12	7.3		4.8		1.8		0.78	4.6	0.23	
AVERAGE		5.3		0.16		3.1	0.0	7.59	81	96	11.5	2.43	7.47	61	54	11.8	2.40	7.27	17	20	5.9	1.97	5.2	3	2.5		0.53	7.4	0.41	
MAXIMUM		9.8	6.5	1.54		23.9	0.0	7.88	123	208	18.4	2.79	7.59	88	98	17.6	2.82	7.34	30	37	7.9	2.33	7.3	90	3.9	1.28	12.4	0.64		
MINIMUM		3.3		0.00		0.0	0.0	7.37	25	28	4.8	2.23	7.29	27	30	5.7	2.18	7.19	8	8	2.9	1.66	4.7	90	1.8	0.14	4.0	0.10		
# OF DATA		31		31		31	31	31	31	31	31	5	31	31	31	31	5	31	31	31	31	5	31	1	31			31		
TOTAL		164		4.97		97	0	235	2524	2969	355	12	231	1897	1671	367	12	225	526	626	183	10	161	90	76			230		

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 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	4.3	7.57	7.40	6		214		11		421		0.20		8		1.54	8.8		1.26	21	< 0.01
2	Thu	3.2	7.63	7.39	17		489		12		331		0.22		6			8.7		1.18	1	< 0.01
3	Fri	4.3	7.60	7.47	11		433		8		306		0.27		10			8.6		1.05	25	< 0.01
4	Sat	3.8	7.71	7.39	9	10	293	382	7	9	239	402	0.24	0.24	8	10		8.5		1.22	4	< 0.01
5	Sun	3.1	7.67	7.45	6		152		3		68		0.29		8			8.5		1.07	4	< 0.01
6	Mon	4.1	7.62	7.35	5		195		7		258		0.36		13			8.6		1.21	6	< 0.01
7	Tue	4.7	7.67	7.34	15		652		12		508		0.15		6			8.6		1.22	88	< 0.01
8	Wed	3.1	7.55	7.35	8		216		5		140		0.28		8		2.05	8.9		1.12	8	< 0.01
9	Thu	7.7	7.56	7.23	10		710		18		1278		0.46		33			8.8		1.14	500	< 0.01
10	Fri	4.7	7.59	7.17	10		409		7		295		0.35		15			8.8		1.22	11	< 0.01
11	Sat	3.4	7.68	7.39	7	9	207	363	4	8	122	381	0.37	0.32	11	13		8.6		1.04	15	< 0.01
12	Sun	3.4	7.67	7.43	8		237		2		61		0.27		8			8.7		1.36	7	< 0.01
13	Mon	7.1	7.51	7.31	8		549		20		1323		0.19		13			8.3		1.17	262	< 0.01
14	Tue	4.8	7.56	7.35	6		237		3		129		0.16		7			8.2		1.51	11	< 0.01
15	Wed	4.7	7.54	7.46	12		489		4		167		0.20		8		1.37	8.6		1.14	8	< 0.01
16	Thu	4.9	7.63	7.40	7		319		11		487		0.20		9			8.7		1.24	20	< 0.01
17	Fri	7.2	7.48	7.17	9		595		18		1190		0.31		20			8.1		1.22	60	< 0.01
18	Sat	6.6	7.54	7.16	6	8	370	399	11	10	657	574	0.26	0.23	16	12		7.9		1.16	26	< 0.01
19	Sun	8.8	7.38	6.74	6		474		21		1716		0.26		21			8.2		1.68	4	< 0.01
20	Mon	8.7	7.32	7.22	8		642		19		1544		0.26		21			8.3		1.69	3	< 0.01
21	Tue	7.7	7.38	7.27	10		684		15		1068		0.19		14			8.1		1.75	37	< 0.01
22	Wed	4.3	7.60	7.25	11		416		10		389		0.23		9		1.47	8.4		1.09	20	< 0.01
23	Thu	3.8	7.72	7.46	14		485		11		359		0.39		13			8.8		1.24	34	< 0.01
24	Fri	4.9	7.85	7.38	8		362		11		480		0.37		16			8.5		1.13	24	< 0.01
25	Sat	3.4	7.67	7.43	7	9	215	468	8	14	249	829	0.39	0.30	12	15		8.5		1.13	7	< 0.01
26	Sun	4.1	7.68	7.41	7		244		9		319		0.28		11			8.6		0.97	41	< 0.01
27	Mon	4.2	7.66	7.45	8		303		20		758		0.27		10			8.4		1.14	7	< 0.01
28	Tue	3.4	7.64	7.51	7		218		8		243		0.25		8			8.4		1.16	7	< 0.01
29	Wed	4.5	7.67	7.47	9		370		14		576		0.20		8		2.15	8.2		1.10	15	< 0.01
30	Thu	4.6	7.79	7.59	10		405		7		287		0.24		10			8.4		1.21	5	< 0.01
31	Fri	3.5	7.59	7.45	11	8	330	297	6	11	185	403	0.27	0.26	8	9		8.4		1.13	2	< 0.01
AVERAGE		4.9			9		384		10		521		0.27		12		1.72	8.5		1.22	14	< 0.01
MAXIMUM		8.8	7.85		17	10	710	468	21	14	1716	829	0.46	0.32	33	15	2.15	8.9		1.75	500	< 0.01
MINIMUM		3.1		6.74	5		152		2		61		0.15		6		1.37	7.9		0.97	1	< 0.01
# OF DATA		31	31	31	31		31		31		31		31		31		5	31		31	31	31
TOTAL		151	236	228	273		11916		320		16152		8		369		9	263.1		37.95	1283	< 0.01

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Permit # IN0025577

Expires 12-31-2014

Certified Operator : Jerry P Jackson

Certification Number : 11496

Solids Removal

		Chemicals Used for disinfection		Primary & Secondary Settling					Final Settling		
Day of the Month	Day of the Week	Chlorine in lbs/Day	Sulfur Dioxide in lbs/Day	Grit in cubic ft per day	Screening in cubic ft per day	Pri. Sludge to Primary # 1 Digester (gal x 1000)	Scum to Primary # 2 Digester (gal x 1000)	Secondary Sludge to Pri. Clarifier (gal x 1000)	Cleaning Mechanism run in hours	Sludge Drawn Hours per day	Sludge to Headworks (gal x 1000)
1	Wed	120	100			22	0	281	6	2	80
2	Thu	80	60	27		22	0	268	6	2	79
3	Fri	100	80			23	0	257	6	2	86
4	Sat	40	80			26	0	249	6	2	79
5	Sun	70	70			26	0	244	6	2	80
6	Mon	90	50			24	0	249	6	2	79
7	Tue	140	90			35	0	248	6	2	79
8	Wed	100	110		27	23	0	243	6	2	66
9	Thu	140	110			35	0	246	6	2	81
10	Fri	100	100			21	0	253	6	2	80
11	Sat	60	110			26	0	252	6	2	82
12	Sun	70	60			28	0	251	6	2	80
13	Mon	220	170	27	27	36	0	256	6	2	79
14	Tue	80	110			26	0	270	6	2	81
15	Wed	110	80			22	0	272	6	2	79
16	Thu	140	120			26	0	270	6	2	85
17	Fri	150	120			39	0	259	6	2	77
18	Sat	170	150			40	0	265	6	2	81
19	Sun	300	223			37	0	270	6	2	79
20	Mon	220	168	41	27	30	0	275	6	2	78
21	Tue	240	163			27	0	280	6	2	79
22	Wed	50	96			24	0	283	6	2	80
23	Thu	130	63			26	0	281	6	2	87
24	Fri	110	97			28	0	273	6	2	79
25	Sat	70	66			26	0	264	6	2	79
26	Sun	80	80			26	0	267	6	2	81
27	Mon	80	85	27		27	0	270	6	2	79
28	Tue	60	65			27	0	266	6	2	80
29	Wed	100	90			30	0	276	6	2	79
30	Thu	120	88			25	0	292	6	2	79
31	Fri	130	84			22	0	280	6	2	79
AVERAGE		118	101	4	3	28		265	6	2	80
MAXIMUM		300	223	41	27	40		292	6	2	87
MINIMUM		40	50	27	27	21	0	243	6	2	66
# OF DATA		31	31	4	3	31	31	31	31	31	31
TOTAL		3670	3138	122	81	855		8210	186	69	2472

Secondary Digester		Date:
<i>Sample Taken by Grab Method</i>		
Pollutants:	Wet Wght	Dry Wght
Inorganic	mg/L	mg/Kg
Arsenic - As		
Cadmium - Cd		
Chromium - Cr		
Copper - Cu		
Lead - Pb		
Mercury - Hg		
Molybdenum - Mo		
Nickel - Ni		
Selenium - Se		
Zinc - Zn		
% Total Solids		

Nutrients	Wet Wght	% by
	mg/L	weight
TKN		
Ammonia		
Nitrate		
Phosphorous		
Potassium		

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LaPorte Wastewater Treatment Plant

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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								94				97	32				62			151	27.3	
2	Thu								94				97	17				32			148	2.6	
3	Fri								94				97	24				57			147		
4	Sat								94				97	29				64	0.92		146		
5	Sun								94				97	27				59			147		
6	Mon		3.01	68.6	6.44	1.69	59.5	7.12	94	2.17	57.5	6.90	97	23	3.66	55.6	6.98	1			178		32
7	Tue								94				97	30				39			177		
8	Wed								94				97	30				56			177		
9	Thu								94				97	40				78			179		
10	Fri								94				97	37				69			159	18.5	
11	Sat								94				97	23				48			157	1.0	
12	Sun								94				97	29				58			157		
13	Mon		2.28	70.8	6.50	2.32	61.2	6.94	94	1.84	60.3	6.81	97	37	3.53	56.6	6.91	17			194		34
14	Tue								94				97	34				57	0.40		186	6.9	
15	Wed								94				97	21				42	1.25		185		
16	Thu								94				97	21				40			185		
17	Fri								94				97	62				118	0.12		188		
18	Sat								94				97	62				111	2.08		193		
19	Sun								94				97	46				85	1.31		192		
20	Mon		3.55	61.4	6.63	1.64	58.3	6.93	94	1.95	59.1	6.82	97	43	3.56	57.3	6.95	19			238		46
21	Tue								94				97	18				0			237		
22	Wed								94				97	23				43			220	14.7	
23	Thu								94				97	38				70			206	12.0	
24	Fri								94				97	24				54			205		
25	Sat								94				97	29				51			204		
26	Sun								94				97	35				65			204		
27	Mon		3.11	73.4	6.48	2.52	58.9	6.83	94	1.87	56.7	6.73	97	33	3.79	57.1	6.83	73			192	10.5	
28	Tue								94				97	36				18			229		36
29	Wed								94				97	9				0			229		
30	Thu								94				97	46				87			227		
31	Fri								94				97	29				57			226		
AVERAGE			2.99	68.6	6.51	2.04	59.5	6.96	94	1.96	58.4	6.82	97	32	3.64	56.7	6.92	53	1.01		189	3.0	5
MAXIMUM			3.55	73.4	6.63	2.52	61.2	7.12	94	2.17	60.3	6.90	97	62	3.79	57.3	6.98	118	2.08		238	27.3	46
MINIMUM			2.28	61.4	6.44	1.64	58.3	6.83	94	1.84	56.7	6.73	97	9	3.53	55.6	6.83	0	0.12		146		
# OF DATA			4	4	4	4	4	4	31	4	4	4	31	31	4	4	4	31	6	31	31	31	31
TOTAL			12	274	26	8	238	28	2909	8	234	27	3008	986	15	227	28	1631	6		5864	93	147

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Page 5 of 6

Date: Jul-2015
 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							
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 :	July 1st, 2015	0.008	0.059	0.0015	0.007	0.057	0.00270	< 0.0002		< 0.001	0.012	< 0.001	0.003	0.027	0.00020	< 0.0002	
2nd Date :	July 8th, 2015	0.011	0.057	0.0013	0.010	0.079	< 0.0001	0.0003	< 0.002	< 0.001	0.016	< 0.001	0.004	0.035	< 0.0001	< 0.0002	< 0.002
3rd Date :	July 15th, 2015	0.005	0.041	0.0012	0.006	0.055	< 0.0001	0.0010		0.001	0.016	< 0.001	0.004	0.028	< 0.0001	< 0.0002	
4th Date :	July 22nd, 2015	0.004	0.033	< 0.0010	0.004	0.051	< 0.0001	< 0.0002	< 0.002	< 0.001	0.017	< 0.001	0.003	0.032	< 0.0001	< 0.0002	< 0.002
5th Date :	July 29th, 2015	0.007	0.047	0.0015	0.008	0.057	< 0.0001	< 0.0002		< 0.001	0.016	< 0.001	0.004	0.035	< 0.0001	< 0.0002	
6th Date :																	
7th Date :																	
8th Date :																	
Number of times Limit Value exceeded:		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Average		0.007	0.047	0.0012	0.007	0.060	0.00058	0.0003	<0.001	0.001	0.015	<0.0005	0.004	0.031	0.00008	<0.0001	<0.001
Maximum		0.011	0.059	0.0015	0.010	0.079	0.00270	0.0010	<0.002	0.001	0.017	<0.001	0.004	0.035	0.00020	<0.0002	<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)	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	6.5	5.3	10	9	468	384	14	10	829	521	0.32	0.27	15	12	7.9	7.85	< 0.01	500	14
% of Limit	93%	76%	32%	44%	19%	23%	38%	43%	28%	26%	13%	17%	8%	9%	132%				
Total				0		0		0		0		0		0	0	0	0		0

*Dissolved Oxygen value is minimum daily average. Percent of limit values for Dissolved Oxygen less than 100% are indicative of a violation.

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Jul-2015
 LaPorte Wastewater Treatment Plant
 2101 Boyd Boulevard, La Porte IN 46350
 Phone # (219)362-2354

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

Total lbs Volatile Solids to Digester 4,710

Overall Percent Removal of Volatile Solids 40.0%

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 21163

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 492

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

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 964

Rotary Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 30

Fixed Bed Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 3

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

Monthly Removal Summary

Percent Removal :	CBOD	TSS	AMMONIA
Primary Treatment :	25%	44%	-3%
Secondary Treatment :	72%	63%	50%
Adv. Sec. Treatment :	48%	49%	95%
Overall Treatment :	89%	89%	98%

Detention Time (Hours)	Maximum	Minimum	Average
Primary Settling Tank	3.8	1.2	2.3
Secondary Settling Tank	2.8	0.9	1.7
Final Settling Tank	8.6	2.9	5.3
Chlorine Contact Tank	0.60	0.20	0.37
Total Plant Retention Time	15.2	5.0	9.3

Surface Flow Rate			
Gallons per sq ft per Day	Maximum	Minimum	Average
Primary Settling Tank	1225	406	662
Secondary Settling Tank	1617	536	874
Final Settling Tank	824	273	446

Weir OverFlow Rate			
1000 Gal per ft per Day	Maximum	Minimum	Average
Primary Settling Tank	24	8	13
Secondary Settling Tank	19	6	10
Final Settling Tank	19	6	10

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:

7/13/2015 - Successful test of emergency power system
 7/27/2015 - 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 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 or imprisonment for knowing violations.

Certified Operator Signature: _____ Certification # : 11496

Executive Officer OR Authorized Agent Signature: _____



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

State Form 50546 (R3 / 7-13)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

City:	La Porte	Page: 1 of 2	Permit Number: IN0025577
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Facility:	La Porte Wastewater Treatment Facility	Public Notification Requirements Met? Y
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Monitoring Period:	July 2015	Check box if no CSO discharge occurred for the month: X
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Design Peak Inf. Flow(MGD)	9.7	Design Average Flow (MGD)	7.0	Measured/Metered (M) or Estimated (E) must be specified.
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WWTP Influent Data			Precipitation Data					CSO Outfall No. 002					CSO Outfall No.							
Day of Month	Avg Infl. Flow Rate (MGD)	Peak Infl. Flow Rate (MGD)	Time Precip. began (AM/PM)	Precip. Duration (HOURS)	Total Daily Precip. (inches)	Peak Intensity (Inch/Hr)	Measurement Interval (hr, 30min, 15min)	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	
1	4.59	5.52																		
2	3.45	4.08																		
3	4.59	6.19																		
4	4.09	5.82																		
5	3.25	3.93																		
6	4.42	5.64																		
7	5.07	9.89	3:55 AM	0.3	0.21	0.07	HR													
8	3.36	3.96	11:18 PM	0.3	0.17	0.13	HR													
9	8.51	10.11	12:00 AM	1.2	0.80	0.31	HR													
10	5.06	6.40																		
11	3.65	5.40			0.01	0.00	HR													
12	3.64	5.42			0.01	0.01	HR													
13	7.93	10.14	7:51 AM	0.8	0.85	0.55	HR													
14	5.17	10.06																		
15	5.01	5.71																		
16	5.31	10.02	8:30 PM	0.6	0.35	0.19	HR													
17	7.93	10.11	12:00 AM	0.8	1.01	0.48	HR													
18	7.16	10.07	4:41 PM	1.0	1.54	1.15	HR													
19	9.80	10.13			0.01	0.01	HR													
20	9.74	10.21			0.01	0.01	HR													
21	8.54	10.10																		
22	4.67	5.99																		
23	4.10	5.75																		
24	5.23	6.42																		
25	3.74	5.60																		
26	4.51	5.77																		
27	4.54	5.73																		
28	3.64	4.20																		
29	4.93	5.71																		
30	4.91	5.58																		
31	3.70	5.24																		
Totals:	164.23			4.92	4.97					0.0										

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

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHEMENTS WERE PREPARED UNDER MY DIRECTION OF SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION; THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

Signature of Principal Executive Officer or Authorized Agent	Date
	03/21/2016



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

State Form 50546 (R3 / 7-13)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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

Day of Month	Comments (further explanation as to why each CSO event occurred)
1	
2	
3	
4	
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26	
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28	
29	
30	
31	

Typed or Printed Name and Title of Principal Executive Officer of Authorized Agent	Telephone
Jerry P Jackson, Superintendent	219-362-2354
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHEMENTS WERE PREPARED UNDER MY DIRECTION OF SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION; THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	
Signature of Principal Executive Officer or Authorized Agent	Date
	03/21/2016