

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Dec-2015
 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 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	Tue	3.7		0.08			0.0	7.65	115	120	14.6		7.49	80	40	14.9		7.41	23	23	9.3		4.6		2.3		0.85	4.6	0.23	
2	Wed	3.5		0.05			0.0	7.77	121	141	15.8	2.97	7.56	87	38	16.3	3.09	7.43	21	24	10.4	2.41	4.5		2.3		0.96	4.7	0.36	
3	Thu	3.4		0.04			0.0	7.63	130	112	16.7		7.53	78	64	18.7		7.53	22	27	10.3		4.5		2.3	135	0.98	5.0	0.45	
4	Fri	4.1					0.0	7.83	147	114	14.4		7.59	90	60	15.3		7.48	23	28	9.4		4.6		2.0		0.60	5.2	0.27	
5	Sat	2.9	3.6				0.0	7.67	155	114	19.1		7.59	102	42	19.6		7.40	15	21	9.7		4.5		1.8		1.23	4.1	0.44	
6	Sun	3.1		0.01			0.0	7.65	145	108	17.0		7.59	99	56	16.8		7.40	32	14	9.3		4.5		1.8		1.06	4.1	0.32	
7	Mon	3.4		0.01			0.0	7.68	113	133	15.2		7.61	83	72	15.4		7.35	22	22	9.0		4.5		2.1		0.98	4.1	0.22	
8	Tue	3.5					0.0	7.71	135	118	15.1		7.58	71	36	15.6		7.49	18	10	9.0		4.6		2.3		0.93	5.7	0.60	
9	Wed	3.7					0.0	7.74	168	147	16.8	3.31	7.60	78	52	15.6	2.50	7.47	16	20	8.1	2.04	4.6		2.3		0.87	4.6	0.24	
10	Thu	3.2					0.0	7.72	128	118	16.7		7.55	89	62	17.7		7.43	26	19	10.0		4.5		2.5		1.17	4.0	0.22	
11	Fri	3.3					0.0	8.46	195	254	14.8		7.66	110	89	15.9		7.42	19	23	9.1		4.5		1.9	360	0.98	4.1	0.26	
12	Sat	3.0	3.3	0.01			0.0	7.61	205	178	14.6		7.65	89	78	17.0		7.31	25	29	10.1		4.5		1.8		1.12	4.0	0.36	
13	Sun	5.4		0.38		6.5	0.0	7.63	150	254	10.6		7.56	98	136	13.1		7.35	23	46	9.3		5.2		2.4		0.41	6.9	0.28	
14	Mon	5.0		0.25			0.0	7.65	103	136	9.8		7.50	59	46	10.5		7.45	19	27	5.7		4.9		2.5		0.48	6.4	0.27	
15	Tue	3.8		0.01			0.0	7.69	93	106	13.9		7.51	78	66	15.3		7.34	21	27	9.6		4.7		2.3		0.84	5.9	0.54	80
16	Wed	4.1		0.05			0.0	7.82	77	110	9.4	2.01	7.64	77	44	15.2	2.94	7.43	13	20	8.6	2.25	4.6		2.6		0.75	5.3	0.28	
17	Thu	3.2					0.0	7.76	108	166	14.4		7.63	83	48	17.2		7.50	23	21	9.6		4.6	90	2.4		1.17	4.6	0.45	
18	Fri	2.9					0.0	7.63	175	192	19.1		7.74	114	70	20.3		7.50	22	25	11.5		4.6		1.9	120	1.23	4.0	0.36	
19	Sat	3.2	4.0				0.0	7.66	175	156	15.6		7.72	118	58	18.4		7.47	24	28	9.5		4.6		2.2		1.12	4.0	0.25	
20	Sun	3.3		0.02			0.0	7.66	198	194	14.6		7.63	93	68	17.2		7.56	16	31	10.9		4.7		1.8		0.94	4.7	0.41	
21	Mon	8.1		0.66		12.5	0.0	7.63	65	225	6.3		7.55	58	102	6.8		7.27	27	47	5.8		6.7		3.4		0.24	9.8	0.21	
22	Tue	4.6					0.0	7.78	60	118	10.2		7.60	51	62	12.5		7.35	16	28	6.5		4.9		2.8		0.68	6.1	0.33	
23	Wed	5.8		0.52		9.4	0.0	7.67	66	123	8.6	2.48	7.53	63	100	8.3	2.07	7.32	17	39	6.9	2.12	5.7		3.0		0.51	7.1	0.23	
24	Thu	6.2					0.0	7.70	57	42	8.4		7.69	38	60	9.6		7.38	10	30	6.1		5.7		3.0		0.39	8.5	0.36	
25	Fri	3.6					0.0	7.70	75	78	14.6		7.58	57	45	16.2		7.31	9	23	9.1		4.7		2.0	105	0.85	4.2	0.17	
26	Sat	3.8	5.1	0.35		0.8	0.0	7.64	82	130	12.9		7.53	81	88	18.9		7.31	10	29	9.3		5.1		2.7		1.03	5.2	0.35	
27	Sun	8.9		0.33		16.6	0.0	7.71	42	76	5.2		7.61	38	90	6.3		7.42	10	37	2.9		6.8		3.5		0.16	10.4	0.18	
28	Mon	6.6		1.25		9.1	0.0	7.80	33	87	7.3		7.60	33	70	7.9		7.50	14	33	5.5		5.7		2.7		0.28	7.9	0.20	
29	Tue	9.6		0.35		21.7	0.0	7.62	30	56	5.0		7.39	45	72	6.1		7.25	14	41	4.6		7.2		3.7	480	0.14	11.1	0.16	
30	Wed	9.7				15.8	0.0	7.59	42	57	5.5	0.99	7.50	38	72	8.0	1.37	7.39	11	4	6.5	1.37	7.2		3.8	160	0.14	11.2	0.16	
31	Thu	6.6	7.1				0.0	7.62	50	58	8.6		7.56	46	52	10.3		7.48	16	41	7.8		5.6		2.9		0.28	9.1	0.37	
AVERAGE		4.7		0.14		3.0	0.0	7.71	111	130	12.6	2.35	7.58	75	66	14.1	2.39	7.41	19	27	8.4	2.04	5.1	3	2.5	44	0.75	6.0	0.31	3
MAXIMUM		9.7	7.1	1.25		21.7	0.0	8.46	205	254	19.1	3.31	7.74	118	136	20.3	3.09	7.56	32	47	11.5	2.41	7.2	90	3.8	480	1.23	11.2	0.60	80
MINIMUM		2.9		0.00		0.0	0.0	7.59	30	42	5.0	0.99	7.39	33	36	6.1	1.37	7.25	9	4	2.9	1.37	4.5	90	1.8	105	0.16	4.0	0.17	80
# OF DATA		31		31		31	31	31	31	31	31	5	31	31	31	31	5	31	31	31	31	5	31	1	31	6		31		1
TOTAL		145		4.37		92	0	239	3435	4021	391	12	235	2323	2038	437	12	230	576	837	259	10	158	90	77	1360		187		80

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 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	Tue	3.8	7.77	7.57	12		382		12		373		0.42		13			10.3				
2	Wed	3.6	7.82	7.61	9		260		4		116		0.36		10		2.01	10.3				
3	Thu	3.5	7.83	7.58	10		285		13		374		0.56		16			10.8				
4	Fri	4.2	7.74	7.33	15		506		16		550		0.65		22			11.3				
5	Sat	3.0	7.82	7.61	19	13	447	368	10	11	239	326	0.50	0.48	12	14		11.3				
6	Sun	3.2	7.80	7.56	16		401		13		321		0.52		13			11.0				
7	Mon	3.4	7.71	7.60	16		441		13		365		0.34		10			10.8				
8	Tue	3.6	7.82	7.68	15		434		4		103		0.31		9			10.8				
9	Wed	3.7	7.77	7.66	10		295		8		246		0.39		12		1.95	10.9				
10	Thu	3.3	7.83	7.73	15		411		11		284		0.30		8			10.9				
11	Fri	3.3	7.76	7.65	13		354		8		218		0.25		7			10.7				
12	Sat	3.0	7.74	7.51	13	14	314	379	11	10	272	258	0.22	0.33	5	9		10.0				
13	Sun	5.2	7.78	7.46	13		585		24		1080		0.44		20			9.5				
14	Mon	4.9	7.51	7.26	12		503		7		294		0.26		11			9.8				
15	Tue	3.8	7.63	7.51	11		356		7		222		0.17		5			10.2				
16	Wed	4.1	7.73	7.56	11		387		6		206		0.24		8		2.21	10.6				
17	Thu	3.3	7.85	7.72	11		283		2		40		0.22		6			10.9				
18	Fri	3.1	7.77	7.56	9		221		8		197		0.29		7			10.9				
19	Sat	3.4	7.82	7.55	17	12	459	399	10	9	270	330	0.34	0.28	9	10		10.9				
20	Sun	3.5	7.79	7.54	11		299		17		475		0.28		8			10.7				
21	Mon	7.8	7.65	7.20	15		1018		24		1628		0.41		28			10.9				
22	Tue	4.7	7.63	7.35	12		458		14		515		0.22		8			11.2				
23	Wed	5.6	7.73	7.21	6		289		17		818		0.34		16		1.92	10.3				
24	Thu	6.2	7.59	7.29	6		332		16		831		0.25		13			11.3				
25	Fri	3.7	7.64	7.49	5		160		11		332		0.21		6			10.9				
26	Sat	3.9	7.61	7.42	6	9	178	391	13	16	414	716	0.50	0.32	16	14		10.9				
27	Sun	8.6	7.59	7.18	8		554		33		2399		0.50		37			11.6				
28	Mon	6.5	7.67	7.27	8		449		19		1040		0.68		37			11.8				
29	Tue	9.4	7.34	7.18	9		721		32		2522		0.58		46			13.0				
30	Wed	9.5	7.50	7.28	10		781		28		2254		1.36		109		1.21	13.5				
31	Thu	6.8	7.57	7.36	8	8	440	474	22	23	1182	1477	1.12	0.80	62	48		13.2				
AVERAGE		4.7			11		419		14		651		0.43		19		1.86	11.0				
MAXIMUM		9.5	7.85		19	14	1018	474	33	23	2522	1477	1.36	0.80	109	48	2.21	13.5				
MINIMUM		3.0		7.18	5		160		2		40		0.17		5		1.21	9.5				
# OF DATA		31	31	31	31		31		31		31		31		31		5	31				
TOTAL		146	239	231	349		13002		429		20179		13		592		9	341.2				

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Page 3 of 6

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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					20	0	261	6	2	74	
2	Wed					21	0	260	6	2	82	
3	Thu					22	0	265	6	2	82	
4	Fri					23	0	273	6	2	82	
5	Sat					25	0	272	6	2	81	
6	Sun					23	0	269	6	2	82	
7	Mon					22	0	264	6	2	82	
8	Tue					21	0	259	6	2	86	
9	Wed					23	0	258	6	2	81	
10	Thu			27	14	20	0	257	6	2	82	
11	Fri					21	0	257	6	2	84	
12	Sat					23	0	256	6	2	80	
13	Sun					31	0	256	6	2	81	
14	Mon			14	27	34	0	258	6	2	79	
15	Tue					31	0	256	6	2	82	
16	Wed					21	0	256	6	2	81	
17	Thu					21	0	255	6	2	83	
18	Fri					20	0	255	6	2	86	
19	Sat					21	0	255	6	2	80	
20	Sun					22	0	253	6	2	80	
21	Mon			14	34	39	0	255	6	2	77	
22	Tue					25	0	253	6	2	79	
23	Wed					30	0	251	6	2	80	
24	Thu					21	0	254	6	2	79	
25	Fri					20	0	252	6	2	81	
26	Sat					24	0	251	6	2	91	
27	Sun					31	0	256	6	2	83	
28	Mon			34	27	28	0	256	6	2	80	
29	Tue			27		22	0	259	6	2	78	
30	Wed					21	0	259	6	2	82	
31	Thu					21	0	263	6	2	91	
AVERAGE				4	3	24		258	6	2	82	
MAXIMUM				34	34	39		273	6	2	91	
MINIMUM				14	14	20	0	251	6	2	74	
# OF DATA				5	4	31	31	31	31	31	31	
TOTAL				115	101	747		8004	186	70	2532	

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

2101 Boyd Boulevard, La Porte IN 46350

Phone # (219)362-2354

		Raw Sludge				Primary Digester #1				Primary Digester #2				Secondary Digester				Digested Sludge Storage Tank					
Day of the Month	Day of the Week	Gas produced in 1000 cubic ft per day	Total Solids in percent	Solids Percent Volatile	pH	Total Solids in percent	Solids Percent Volatile	pH	Digester Temp in Deg. F	Total Solids in percent	Solids Percent Volatile	pH	Digester Temp in Deg. F	Sludge to Secondary Digester (gal x 1000)	Total Solids in percent	Solids Percent Volatile	pH	Digester Overflow Supernatant (gal x 1000)	Digester Supernatant (% Total Solids)	Storage Tank #1 Volume (gal x 1000)	Storage Tank #2 Volume (gal x 1000)	Storage Tank Supernatant (gal x 1000)	Secondary to Storage Tank (gal x 1000)
1	Tue								89				97	26				72			21		
2	Wed								89				97	26				71			21		
3	Thu								89				97	34				84			20		
4	Fri								89				97	31				73			20		
5	Sat								88				97	33				59			20		
6	Sun								88				97	21				33			20		
7	Mon		1.64	81.8	6.52	2.76	61.5	6.86	88	3.43	59.8	6.87	97	32	1.82	63.8	6.77	36			41		22
8	Tue								88				97	27				36			41		
9	Wed								88				97	27				46			42		
10	Thu								88				97	31				66			42		
11	Fri								88				97	23				51			42		
12	Sat								88				97	23				46	0.81		41		
13	Sun								88				97	36				82	1.74		43		
14	Mon		3.14	77.7	6.71	1.88	63.0	7.05	87	1.73	62.9	6.89	97	39	3.27	62.5	6.94	28			74		30
15	Tue								87				97	32				49	0.88		74		
16	Wed								87				97	37				67	0.58		74		
17	Thu								87				97	40				68	0.86		74		
18	Fri								87				97	31				63	2.24		74		
19	Sat								87				97	37				78			73		
20	Sun								87				97	34				72			73		
21	Mon		3.90	71.3	6.48	3.04	56.5	6.91	87	1.94	60.5	6.87	97	36	3.52	59.3	6.88	28			100		24
22	Tue								87				97	28				57	0.43		100		
23	Wed								87				97	37				77	0.55		102		
24	Thu								87				97	35				71	0.54		101		
25	Fri								87				97	24				64	2.23		101		
26	Sat								87				97	27				60	0.11		102		
27	Sun								87				97	48				94	0.80		104		
28	Mon		3.26	67.4	6.43	2.81	62.0	7.01	87	1.83	62.8	6.89	97	48	3.43	63.2	6.93	44			136		27
29	Tue								87				97	28				65			122	14.2	
30	Wed								87				97	38				83			92	29.2	
31	Thu								87				97	38				88			64	28.5	
AVERAGE			2.99	74.6	6.54	2.62	60.8	6.96	88	2.23	61.5	6.88	97	33	3.01	62.2	6.88	62	0.98		66	2.3	3
MAXIMUM			3.90	81.8	6.71	3.04	63.0	7.05	89	3.43	62.9	6.89	97	48	3.52	63.8	6.94	94	2.24		136	29.2	30
MINIMUM			1.64	67.4	6.43	1.88	56.5	6.86	87	1.73	59.8	6.87	97	21	1.82	59.3	6.77	28	0.11		20		
# OF DATA			4	4	4	4	4	4	31	4	4	4	31	31	4	4	4	31	12	31	31	31	31
TOTAL			12	298	26	10	243	28	2714	9	246	28	3009	1008	12	249	28	1913	12		2055	72	103

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Page 5 of 6
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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																	
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 :	December 2nd, 2015		0.059								0.016						
2nd Date :	December 9th, 2015	0.014	0.120	0.0020	0.012	0.097	<0.0001	0.0016	<0.002	0.001	0.020	<0.001	0.005	0.041	<0.0001	<0.0002	<0.002
3rd Date :	December 16th, 2015		0.039								0.020						
4th Date :	December 23rd, 2015	0.010	0.041	0.0070	0.009	0.087	<0.0001	0.0009	<0.002	0.002	0.021	0.0010	0.004	0.042	<0.0001	0.0002	0.0030
5th Date :	December 30th, 2015		0.026								0.029						
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		0.012	0.057	0.0045	0.011	0.092	<0.00005	0.0013	<0.001	0.002	0.021	0.0008	0.005	0.042	<0.00005	0.0002	0.0020
Maximum		0.014	0.120	0.0070	0.012	0.097	<0.00010	0.0016	<0.002	0.002	0.029	0.0010	0.005	0.042	<0.00010	0.0002	0.0030

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	40	25	3338	2086	45	30	3755	2504	2.70	1.80	225	150	6.0	6-9	0.06	235	125
Times Violated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max	7.1	4.7	14	11	474	419	23	14	1477	651	0.80	0.43	48	19	9.5	7.85			
% of Limit	101%	67%	34%	45%	14%	20%	51%	46%	39%	26%	30%	24%	21%	13%	158%				
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: Dec-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 4,472

Monthly Removal Summary

Overall Percent Removal of Volatile Solids 43.8%

Percent Removal :	CBOD	TSS	AMMONIA
Primary Treatment :	32%	49%	-12%
Secondary Treatment :	75%	59%	41%
Adv. Sec. Treatment :	39%	49%	95%
Overall Treatment :	90%	89%	97%

TREATMENT EQUIPMENT	Total available	Number in service
PRIMARY CLARIFIER TANKS	4	4
SECONDARY CLARIFIER TANKS	2	2
FINAL CLARIFIER TANKS	2	2
ROTARY FILTER	1	1
FIXED BED FILTER	1	1
BIOTOWERS	2	2

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 25470

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 481

Detention Time (Hours)	Maximum	Minimum	Average
Primary Settling Tank	4.3	1.3	2.6
Secondary Settling Tank	3.1	0.9	1.9
Final Settling Tank	9.8	2.9	6.0
Chlorine Contact Tank	0.68	0.20	0.41
Total Plant Retention Time	17.2	5.1	10.5

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

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 782

Rotary Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 32

Surface Flow Rate			
Gallons per sq ft per Day	Maximum	Minimum	Average
Primary Settling Tank	1207	358	586
Secondary Settling Tank	1593	473	773
Final Settling Tank	812	241	394

Fixed Bed Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 4

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

Weir OverFlow Rate			
1000 Gal per ft per Day	Maximum	Minimum	Average
Primary Settling Tank	23	7	11
Secondary Settling Tank	19	6	9
Final Settling Tank	19	5	9

Monthly Comments Concerning Plant Operation:

12/29/2015 - The south half of the fixed-nozzle trickling filter off for winter operation.

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:	December 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	3.73	7.27	4:18 AM	0.1	0.08	0.04	HR													
2	3.47	5.34	8:47 AM	0.1	0.05	0.03	HR													
3	3.45	5.14	12:00 AM	0.1	0.04	0.02	HR													
4	4.12	7.58																		
5	2.87	5.35																		
6	3.08	5.63			0.01	0.01	HR													
7	3.37	5.44			0.01	0.01	HR													
8	3.54	4.91																		
9	3.68	7.99																		
10	3.24	4.26																		
11	3.26	4.64																		
12	2.96	4.52			0.01	0.01	HR													
13	5.40	10.01	7:29 AM	0.6	0.38	0.10	HR													
14	5.03	8.46	2:38 AM	0.4	0.25	0.07	HR													
15	3.81	8.44			0.01	0.01	HR													
16	4.11	5.08	0:29 PM	0.1	0.05	0.03	HR													
17	3.20	4.93																		
18	2.95	4.81																		
19	3.24	4.75																		
20	3.35	6.77	12:00 AM	0.0	0.02	0.01	HR													
21	8.13	10.11	2:11 AM	1.0	0.66	0.13	HR													
22	4.58	9.59																		
23	5.77	10.14	0:21 PM	0.9	0.52	0.19	HR													
24	6.22	9.43																		
25	3.62	7.89																		
26	3.82	9.50	11:46 AM	0.6	0.35	0.13	HR													
27	8.85	10.16	12:00 AM	0.5	0.33	0.18	HR													
28	6.56	10.08	0:24 PM	2.1	1.25	0.20	HR													
29	9.60	10.14	12:00 AM	0.6	0.35	0.08	HR													
30	9.65	10.14																		
31	6.59	10.04																		
Totals:	145.26			6.98	4.37					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:	December 2015	Check box if no CSO discharge occurred for the month: <input checked="" type="checkbox"/> 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	
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3	
4	
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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