

**MONTHLY REPORT OF OPERATION**

**Trickling Filter Wastewater Treatment Plant**

Date: May-12  
 LaPorte Wastewater Treatment Plant  
 2101 Boyd Boulevard  
 LaPorte IN, 46350  
 Phone # (219)362-2354

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

					Raw Sewage				Primary Effluent				Secondary Effluent				Rotary Filter		Fixed-Bed Filter		Trickling Filters		Biotowers				
Day of the Month	Day of the Week	Total Flow in MGal/Day	Weekly Average Flow in MGal/Day	Precip in inches	Collection System Overflow 'X' if occurred	Diversion to CSO Basin At site hours	CSO Basin Overflow in MGal/Day	pH	CBOD in mg/L	TSS in mg/L	NH3 in mg/L	pH	CBOD in mg/L	TSS in mg/L	NH3 in mg/L	pH	CBOD in mg/L	TSS in mg/L	NH3 in mg/L	Flow in MG/Day	Cleaning in Minutes	Flow in MG/Day	Cleaning in Minutes	Secondary Recirc. Ratio	Flow in MG/Day	Tertiary Recirc. Ratio	Cleaning in Minutes
1	Tue	5.2				3.3	0.00	7.65	72	196	11.99	7.42	83	120	14.54	7.20	17	53	10.34	5.4		2.7	280	0.55	6.3	0.21	
2	Wed	5.2				0.2	0.00	7.83	59	81	22.08	7.59	49	90	11.53	7.32	18	44	6.30	4.7		2.4		0.38	6.2	0.20	
3	Thu	3.1				0.2	0.00	7.63	78	118	16.68	7.44	71	68	18.79	7.18	9	25	8.61	4.5		1.8		1.06	3.7	0.21	
4	Fri	5.6				5.4	0.00	7.67	94	390	10.77	7.44	67	114	12.86	7.16	16	56	8.42	5.5		2.3		0.40	6.8	0.22	
5	Sat	2.9	4.5				0.00	7.61	85	84	18.63	7.38	68	66	21.43	7.15	5	27	10.03	4.6		1.7		1.21	3.5	0.23	
6	Sun	3.1				0.4	0.00	7.62	115	132	16.35	7.43	85	64	18.27	7.11	10	21	9.12	4.6		2.1		1.16	3.7	0.18	
7	Mon	9.6				10.8	0.00	7.59	62	118	7.79	7.42	68	92	9.79	7.12	20	56	5.94	7.2		3.6		0.12	11.7	0.22	
8	Tue	7.8					0.00	7.69	40	58	8.23	7.52	37	68	8.14	7.26	11	38	4.56	6.6		3.3		0.28	9.7	0.25	
9	Wed	4.4					0.00	7.66	57	89	11.59	7.43	42	50	12.56	7.15	7	22	6.89	4.7		2.3		0.58	5.4	0.21	
10	Thu	4.2					0.00	7.64	108	86	13.55	7.43	42	50	12.56	7.16	15	32	9.16	5.1		2.3		0.78	5.1	0.22	
11	Fri	3.1					0.00	7.96	82	84	16.97	7.41	90	72	16.94	7.16	7	19	9.29	4.6		1.8		1.06	3.7	0.20	
12	Sat	2.9	5.0				0.00	7.50	121	130	17.47	7.46	68	58	21.19	7.17	10	28	7.95	4.6		1.8		1.22	3.5	0.22	
13	Sun	3.0					0.00	7.52	100	106	16.52	7.37	88	66	18.85	7.15	10	21	7.68	4.6		2.1		1.26	3.7	0.23	
14	Mon	4.2					0.00	7.63	119	165	16.58	7.39	138	60	18.33	7.21	14	39	7.62	5.0		2.6		0.83	5.1	0.21	
15	Tue	3.7				2.3	0.00	7.63	95	664	15.34	7.43	73	84	14.21	7.24	10	35	5.41	3.8	60	2.2	80	0.62	4.4	0.21	120
16	Wed	4.7					0.00	7.72	22	282	10.81	7.46	69	84	13.82	7.38	17	38	6.79	2.9		2.4		0.11	5.8	0.22	
17	Thu	3.0					0.00	7.58	145	180	20.98	7.49	75	74	14.21	7.26	17	34	10.75	2.9		1.8		0.56	3.6	0.23	
18	Fri	3.0					0.00	7.48	220	284	16.98	7.36	108	76	23.50	7.14	12	29	8.06	2.8		1.7		0.51	3.6	0.19	
19	Sat	4.0	3.6				0.00	7.56	90	114	13.45	7.32	97	76	17.43	7.18	15	48	7.83	3.4		2.1		0.38	4.9	0.23	
20	Sun	3.5				2.2	0.00	7.56	155	248	13.43	7.39	82	74	15.77	7.21	15	36	8.74	3.1		1.9		0.45	4.2	0.21	
21	Mon	9.4				6.7	0.00	7.63	26	76	6.13	7.36	108	128	18.16	7.17	12	56	5.95	6.3		3.8		0.08	11.6	0.24	
22	Tue	5.7				1.2	0.00	7.65	60	74	12.71	7.48	29	102	8.98	7.17	12	42	9.08	3.7		2.6		0.10	6.4	0.12	
23	Wed	3.3					0.00	7.72	155	156	16.61	7.44	52	96	15.02	7.23	12	37	7.60	3.0		1.8		0.48	3.7	0.13	
24	Thu	3.9					0.00	7.83	101	58	13.21	7.50	86	88	15.73	7.22	12	19	8.10	2.9		2.1	60	0.28	4.7	0.20	
25	Fri	3.0					0.00	7.88	120	104	20.27	7.50	78	42	17.73	7.23	10	24	10.08	2.9		1.7		0.53	3.5	0.16	
26	Sat	2.8	4.5				0.00	7.55	150	162	20.48	7.65	79	57	24.54	7.23	12	29	10.65	2.8		1.7		0.64	3.4	0.23	
27	Sun	2.7					0.00	7.55	170	114	18.47	7.43	97	80	23.94	7.20	15	30	9.70	2.8		1.7		0.67	3.4	0.25	
28	Mon	3.9					0.00	7.69	114	143	13.04	7.41	98	80	21.40	7.35	13	35	4.77	2.8		2.3		0.29	4.6	0.18	
29	Tue	2.7					0.00	7.59	150	166	22.45	7.52	75	74	11.32	7.32	14	24	7.63	2.7		1.7		0.66	3.4	0.26	
30	Wed	4.1					0.00	7.81	115	138	16.22	7.52	99	70	20.84	7.25	16	39	8.53	2.9		2.2		0.23	4.5	0.10	
31	Thu	5.5	3.6			2.7	0.00	7.77	102	148	12.69	7.54	83	72	17.22	7.34	16	30	7.87	3.9		2.4		0.15	5.8	0.06	
AVERAGE		4.3				1.1	0.00	7.66	103	160	15.11	7.45	77	77	16.44	7.21	13	34	8.05	4.1	2	2.2	14	0.57	5.2	0.20	4
MAXIMUM		9.6	5.0			10.8	0.00	7.96	220	664	22.45	7.65	138	128	24.54	7.38	20	56	10.75	7.2	60	3.8	280	1.26	11.7	0.26	120
MINIMUM		2.7				0.0	0.00	7.48	22	58	6.13	7.32	29	42	8.14	7.11	5	19	4.56	2.7	60	1.7	60	0.08	3.4	0.12	120
# OF DATA		31				31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	1	31	3		31		1
TOTAL		133				35	0	237	3181	4948	468	231	2379	2395	510	224	396	1065	249	127	60	69	420		160		120

# MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Page 2 of 6

Date: May-12  
 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

## 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	4.9	7.57	7.34	9		409		41		1763		2.52		110		9.6		1.35	1	< 0.01
2	Wed	5.1	7.60	7.43	8		354		30		1296		1.83		79		8.7		1.30	22	< 0.01
3	Thu	3.0	7.59	7.42	4		93		18		451		1.01		26		8.3		1.55	2	< 0.01
4	Fri	5.3	7.49	7.36	7		328		36		1686		1.27		59		8.4		1.48	3	< 0.01
5	Sat	2.8	7.64	7.48	3	7	67	286	13	29	312	1160	0.97	1.49	23	59	8.0		1.23	1	< 0.01
6	Sun	3.0	7.59	7.46	4		97		18		458		1.15		30		8.1		1.28	0	< 0.01
7	Mon	8.8	7.48	7.05	12		926		55		4391		2.20		176		8.4		1.83	76	< 0.01
8	Tue	7.3	7.55	7.38	8		524		35		2265		0.88		57		9.1		1.26	104	< 0.01
9	Wed	4.3	7.53	7.42	3		122		6		221		0.88		32		8.6		1.31	2	< 0.01
10	Thu	4.0	7.58	7.41	8		263		24		814		1.25		43		8.7		1.35	1	< 0.01
11	Fri	3.0	7.56	7.49	5		134		11		283		2.51		65		8.8		1.27	1	< 0.01
12	Sat	2.8	7.65	7.53	5	6	124	313	24	25	573	1286	2.06	1.56	49	65	8.4		1.28	0	< 0.01
13	Sun	2.9	7.62	7.49	3		82		21		524		1.19		30		8.3		1.18	0	< 0.01
14	Mon	3.9	7.70	7.48	8		278		34		1182		1.28		44		8.0		1.38	0	< 0.01
15	Tue	3.5	7.69	7.43	8		250		25		748		1.01		31		8.2		0.91	3	< 0.01
16	Wed	4.4	7.75	7.51	12		484		26		1023		1.06		42		8.3		1.01	8	< 0.01
17	Thu	2.9	7.56	7.40	7		178		21		506		1.52		38		8.0		0.94	1	< 0.01
18	Fri	2.9	7.55	7.43	6		152		20		506		2.40		61		8.0		0.95	1	< 0.01
19	Sat	3.8	7.66	7.56	13	8	433	265	35	26	1165	808	1.39	1.41	46	42	7.7		1.76	2	< 0.01
20	Sun	3.3	7.56	7.35	8		244		25		725		1.37		40		7.1		1.01	0	< 0.01
21	Mon	8.5	7.36	7.12	12		916		49		3838		1.96		154		7.6		1.68	2	< 0.01
22	Tue	5.3	7.52	7.34	5		235		27		1271		2.45		117		7.5		1.08	506	< 0.01
23	Wed	3.2	7.73	7.40	7		188		19		518		1.69		46		7.6		1.16	156	< 0.01
24	Thu	3.8	7.47	7.35	8		260		13		422		1.07		35		7.9		1.30	15	< 0.01
25	Fri	2.9	7.40	7.22	5		133		10		252		0.93		23		7.7		1.49	5	< 0.01
26	Sat	2.7	7.37	7.29	6	7	129	301	14	22	324	1050	1.35	1.55	31	64	7.6		1.42	0	< 0.01
27	Sun	2.7	7.44	7.25	6		141		13		284		0.39		9		8.0		1.37	0	< 0.01
28	Mon	3.8	7.63	7.25	9		295		28		919		0.33		11		8.0		0.95	42	< 0.01
29	Tue	2.6	7.60	7.34	7		149		13		293		0.42		9		7.9		0.72	0	< 0.01
30	Wed	3.9	7.65	7.51	8		275		4		137		1.54		53		7.6		1.58	221	< 0.01
31	Thu	5.1	7.58	7.37	8	8	378	271	14	17	615	604	1.44	0.99	66	36	7.8		1.23	142	< 0.01
AVERAGE		4.1			7		279		23		960		1.40		53		8.1		1.28	5	< 0.01
MAXIMUM		8.8	7.75		13	8	926	313	55	29	4391	1286	2.52	1.56	176	65	9.6		1.83	506	< 0.01
MINIMUM		2.6		7.05	3		67		4		137		0.33		9		7.1		0.72	0	< 0.01
# OF DATA		31	31	31	31		31		31		31		31		31		31		31	31	31
TOTAL		126	235	229	223		8642		718		29764		43		1635		251.9		39.61	1317	< 0.01

# MONTHLY REPORT OF OPERATION

## Trickling Filter Wastewater Treatment Plant

Date: May-12

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

Page 3 of 6

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	Tue	300	100	27		26	0	271	6	2	91		
2	Wed	360	80			32	3	269	6	2	82		
3	Thu	180	60			30	0	259	6	2	81		
4	Fri	330	110	14	54	38	0	257	6	2	82		
5	Sat	200	50			35	0	258	6	2	84		
6	Sun	260	160			34	0	259	6	2	82		
7	Mon	410	100			46	0	256	6	2	91		
8	Tue	320	140			36	7	262	6	2	85		
9	Wed	280	80	27	27	34	0	264	6	2	85		
10	Thu	300	80			32	0	262	6	2	85		
11	Fri	320	60			33	8	264	6	2	86		
12	Sat	140	60			33	0	261	6	2	82		
13	Sun	200	50			32	0	259	6	2	83		
14	Mon	300	70		27	33	0	256	6	2	82		
15	Tue	240	60			34	0	255	6	2	89		
16	Wed	300	50			33	8	262	6	2	84		
17	Thu	230	40			38	9	257	6	2	82		
18	Fri	210	60			40	0	252	6	2	82		
19	Sat	280	60			39	0	248	6	2	81		
20	Sun	240	60			33	0	240	6	2	82		
21	Mon	240	220	27	68	49	0	239	6	2	90		
22	Tue	220	120			41	0	231	6	2	85		
23	Wed	180	40			40	0	240	6	2	83		
24	Thu	260	70			48	0	277	6	2	92		
25	Fri	160	60			52	0	274	6	2	82		
26	Sat	410	60			49	0	269	6	2	83		
27	Sun	370	50			41	0	264	6	2	82		
28	Mon	260	60			39	0	260	6	2	85		
29	Tue	300	60			34	0	253	6	2	92		
30	Wed	200	80			37	0	252	6	2	97		
31	Thu	270	120	27		38	0	249	6	2	90		
AVERAGE		267	80	4	6	37	1	257	6	2	85		
MAXIMUM		410	220	27	68	52	9	277	6	2	97		
MINIMUM		140	40	14	27	26	0	231	6	2	81		
# OF DATA		31	31	5	4	31	31	31	31	31	31		
TOTAL		8270	2470	122	176	1160	34	7980	186	70	2642		

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		

# MONTHLY REPORT OF OPERATION

## Trickling Filter Wastewater Treatment Plant

Date: May-12  
 LaPorte Wastewater Treatment Plant  
 2101 Boyd Boulevard, La Porte IN 46350  
 Phone # (219)362-2354

Page 4 of 6  
 Permit # IN0025577  
 Expires 12-31-2014  
 Certified Operator : Jerry P Jackson  
 Certification Number : 11496

		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								96				96	9				0				28		
2	Wed								96				96	17				49				27		
3	Thu								96				96	19				64				27	0.0	
4	Fri								96				96	22				78				25		
5	Sat								96				96	22				78	0.05			24		
6	Sun								96				96	22				77	0.09			24		
7	Mon		4.92	72.4	6.88	1.95	56.6	6.83	96	2.67	62.3	7.07	96	49	3.84	61.7	7.07	35				73	47	
8	Tue								96				96	22				40				71		
9	Wed								96				96	21				71				71		
10	Thu								96				96	21				72				70		
11	Fri								96				96	32				85				70		
12	Sat								96				96	22				73				69		
13	Sun								96				96	23				76				69		
14	Mon		3.25	72.1	6.48	1.86	61.9	6.84	95	2.02	63.2	7.10	95	39	3.73	59.7	7.19	24				110	42	
15	Tue								96				96	12				9				109		
16	Wed								96				96	32				90	0.17			108		
17	Thu								96				96	37				93				107		
18	Fri								96				96	27				80				106		
19	Sat								96				96	26				78	0.02			106		
20	Sun								96				96	28				67				111		
21	Mon		4.65	82.5	6.06	1.82	52.2	6.81	96	1.77	61.1	7.07	96	41	3.83	62.6	7.13	97				89	21.4	
22	Tue								97				96	30				80				63	23.7	
23	Wed								94				96	64				45				112	0.0	
24	Thu								95				96	37				100				111	49	
25	Fri								96				96	42				105				110		
26	Sat								96				96	44				100				109		
27	Sun								96				97	36				85				109		
28	Mon		2.27	74.6	6.52	1.65	54.6	6.85	96	1.89	61.3	7.08	97	44	4.12	63.3	7.23	31				147	40	
29	Tue								96				97	23				51				146		
30	Wed								96				97	25				74				145		
31	Thu								96				96	32				89				146		
AVERAGE			3.77	75.4	6.49	1.82	56.3	6.83	96	2.09	62.0	7.08	96	30	3.88	61.8	7.16	68	0.08			87	1.5	6
MAXIMUM			4.92	82.5	6.88	1.95	61.9	6.85	97	2.67	63.2	7.10	97	64	4.12	63.3	7.23	105	0.17			147	23.7	49
MINIMUM			2.27	72.1	6.06	1.65	52.2	6.81	94	1.77	61.1	7.07	95	9	3.73	59.7	7.07	0	0.02			24		
# OF DATA			4	4	4	4	4	4	31	4	4	4	31	31	4	4	4	31	4	31	31	31	31	31
TOTAL			15	302	26	7	225	27	2975	8	248	28	2979	922	16	247	29	2096	0			2691	45	178

# MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Page 5 of 6

Date: May-12

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 Rake Room							
Site: Post Disinfection															
Sample Characteristics		Cr	Cu	Pb	Ni	Zn	CN, Free	Cr	Cu	Pb	Ni	Zn	CN, Free		
Sample Number															
Sample Type	Permit Condition	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	GRAB	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	GRAB		
	Monitored	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	GRAB	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	GRAB		
Frequency	Permit Condition	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual		
	Monitored	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual	4 X Annual		
Parameter Limits	Daily Maximum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Monthly Average	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
1st Date:	May 9th, 2012	0.008	0.039	<0.005	0.005	0.042		<0.005	0.020	<0.005	<0.005	0.023			
2nd Date:	May 23rd, 2012	0.005	0.055	<0.005	0.008	0.055	<0.005	<0.005	0.025	<0.005	<0.005	0.023	<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		0.007	0.047	<0.003	0.007	0.049	<0.003	<0.003	0.023	<0.003	<0.003	0.023	<0.003		
Maximum		0.008	0.055	<0.005	0.008	0.055	<0.005	<0.005	0.025	<0.005	<0.005	0.023	<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	5.0	4.3	8	7	313	279	29	23	1286	960	1.56	1.40	65	53	7.1	7.75	< 0.01	506	5
% of Limit	71%	61%	28%	36%	12%	17%	80%	96%	43%	48%	65%	87%	32%	39%	118%				
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-12  
 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 8,877

Overall Percent Removal of Volatile Solids 47.2%

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 21,597

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 388

Fixed Bed Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 51

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 670

Rotary Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 29

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

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

#### Monthly Removal Summary

Percent Removal :	CBOD	TSS	AMMONIA
Primary Treatment :	25%	52%	-9%
Secondary Treatment :	83%	56%	51%
Adv. Sec. Treatment :	44%	33%	83%
Overall Treatment :	93%	85%	91%

Detention Time (Hours)	Maximum	Minimum	Average
Primary Settling Tank	4.5	1.3	2.8
Secondary Settling Tank	3.3	0.9	2.1
Final Settling Tank	10.4	2.9	6.5
Chlorine Contact Tank	0.72	0.20	0.45
Total Plant Retention Time	18.2	5.1	11.5

Surface Flow Rate	Maximum	Minimum	Average
Gallons per sq ft per Day			
Primary Settling Tank	1197	338	536
Secondary Settling Tank	1580	446	708
Final Settling Tank	805	227	361

Weir OverFlow Rate	Maximum	Minimum	Average
1000 Gal per ft per Day			
Primary Settling Tank	23	7	10
Secondary Settling Tank	19	5	8
Final Settling Tank	18	5	8

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:

5/22/2012 - Influent flow diverted to storage while plant was shut down to replace the breaker that feeds the biotower pumpstation from MCC0(Control Building).

5/7, 21/2012 - Successful test of emergency electrical 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, 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: \_\_\_\_\_

