

**MONTHLY REPORT OF OPERATION**

**Trickling Filter Wastewater Treatment Plant**

Date: Jul-04  
 LaPorte Wastewater Treatment Plant  
 2101 Boyd Boulevard  
 LaPorte IN, 46350  
 Phone # (219)362-2354

Page 1 of 6

Permit # IN0025577

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	Thu	2.5					0.00	7.68	245	232	31.23	7.50	111	78	33.97	7.19	13	21	12.44	4.8		3.9		2.41	8.3	2.26	
2	Fri	2.3					0.00	7.66	230	164	32.26	7.48	128	81	30.25	7.21	12	25	10.08	4.8		3.9		2.86	8.0	2.53	
3	Sat	3.3	2.7	0.23		1.8	0.00	7.62	175	128	22.22	7.43	133	80	24.41	7.32	21	26	10.53	5.2		3.8		1.74	8.5	1.57	
4	Sun	4.4		0.20		1.0	0.00	7.64	116	108	14.39	7.46	66	56	14.43	7.21	14	18	6.01	5.0		3.9		1.04	8.2	0.87	
5	Mon	2.1					0.00	7.62	220	124	33.02	7.40	110	52	27.74	7.15	9	14	8.12	4.9		3.8		3.24	8.0	2.91	
6	Tue	3.0		0.54		8.8	0.00	7.69	200	246	24.92	7.41	105	70	25.05	7.21	22	38	11.25	3.8		2.7		1.20	6.8	1.29	
7	Wed	4.1					0.00	7.70	108	153	16.04	7.52	61	56	12.54	7.14	12	23	3.77	4.9		4.0		1.16	8.4	1.04	
8	Thu	2.9					0.00	7.70	175	140	26.50	7.42	92	62	21.27	7.25	10	18	5.18	4.9		3.9		2.08	8.3	1.89	
9	Fri	2.2		0.08			0.00	7.68	215	100	32.55	7.52	105	46	26.45	7.21	8	3	6.02	4.9		3.9		2.93	8.1	2.60	
10	Sat	2.6	3.0	0.23		0.5	0.00	7.40	153	92	24.09	7.22	97	72	22.14	7.20	12	16	6.82	5.0		3.7		2.41	8.2	2.20	
11	Sun	3.6		0.11		1.8	0.00	7.65	131	112	16.04	7.21	92	72	17.96	7.20	16	25	6.77	5.3		3.8		1.51	8.6	1.37	
12	Mon	3.3					0.00	7.81	130	106	20.02	7.54	78	70	17.38	7.34	11	22	6.70	4.9		3.9		1.67	7.5	1.27	
13	Tue	3.7		1.01		2.4	0.00	7.90	155	100	21.48	7.52	87	58	19.76	7.29	10	16	4.29	5.1		3.9		1.47	8.1	1.20	
14	Wed	5.4				0.6	0.00	7.88	63	81	10.26	7.62	54	64	9.53	7.29	12	26	4.22	5.1		4.1		0.70	8.6	0.60	
15	Thu	4.2					0.00	7.80	110	118	17.68	7.55	70	66	16.00	7.30	11	21	6.41	4.9		4.1		1.15	8.3	0.98	
16	Fri	4.3		0.22		1.6	0.00	7.66	130	138	17.97	7.53	72	73	21.10	7.36	12	26	9.79	5.1		4.1		1.17	8.6	1.02	
17	Sat	2.9	3.9				0.00	7.64	138	64	20.11	7.38	83	60	21.75	7.25	10	14	8.31	5.0		3.9		2.10	8.4	1.91	
18	Sun	2.9					0.00	7.63	143	50	22.92	7.47	87	46	22.16	7.37	9	8	7.63	5.0		4.1		2.14	8.3	1.86	
19	Mon	3.2					0.00	7.67	175	130	23.10	7.52	94	62	21.96	7.37	11	19	9.08	4.9		3.9		1.72	8.3	1.57	
20	Tue	3.1					0.00	7.74	160	104	22.70	7.54	100	62	21.40	7.40	13	19	8.97	4.8	40	3.8		1.79	8.3	1.69	60
21	Wed	4.1		1.30		5.6	0.00	7.69	116	126	15.96	7.51	74	72	16.45	7.43	14	26	8.28	5.5		3.9		1.30	9.1	1.21	
22	Thu	6.3		0.18		2.1	0.00	7.77	62	102	9.89	7.55	51	64	10.59	7.23	10	26	5.71	5.5		4.1		0.51	9.5	0.49	
23	Fri	4.9					0.00	7.86	93	66	13.58	7.59	61	62	16.64	7.36	13	27	7.96	5.0		4.1		0.85	8.3	0.70	
24	Sat	4.5	4.2				0.00	7.94	60	90	14.86	7.50	63	80	18.16	7.27	13	31	8.11	5.0		4.1		1.01	8.3	0.84	
25	Sun	4.1					0.00	7.78	50	88	16.11	7.51	63	52	16.92	7.34	12	25	6.86	5.0		4.1		1.20	8.3	1.02	
26	Mon	3.2		0.11			0.00	7.65	103	155	24.46	7.48	100	78	20.77	7.37	15	25	8.33	4.9		3.8		1.77	8.3	1.63	
27	Tue	2.4					0.00	7.69	110	104	26.51	7.52	95	50	23.06	7.38	13	18	8.57	4.9		3.9	120	2.64	8.3	2.44	
28	Wed	2.4					0.00	7.74	103	131	31.01	7.58	89	52	27.04	7.33	11	17	9.63	4.9		3.9		2.66	8.3	2.48	
29	Thu	2.3					0.00	7.81	190	238	31.20	7.63	108	66	29.76	7.40	13	19	10.16	4.9		3.8		2.75	8.3	2.58	
30	Fri	3.4		0.32			0.00	7.71	102	124	20.31	7.51	85	85	25.79	7.42	16	36	12.01	4.9		3.8		1.61	8.3	1.48	
31	Sat	2.2					0.00	7.74	153	82	29.19	7.52	111	54	26.39	7.39	14	12	9.41	5.0		3.8		2.98	8.3	2.76	
AVERAGE		3.4		0.15		0.8	0.00	7.71	139	122	22.02	7.49	88	65	21.25	7.30	13	21	7.98	5.0	1	3.9	4	1.80	8.3	1.62	2
MAXIMUM		6.3	4.2	1.30		8.8	0.00	7.94	245	246	33.02	7.63	133	85	33.97	7.43	22	38	12.44	5.5	40	4.1	120	3.24	9.5	2.91	60
MINIMUM		2.1		0.08		0.0	0.00	7.40	50	50	9.89	7.21	51	46	9.53	7.14	8	3	3.77	3.8	40	2.7	120	0.51	6.8	0.49	60
# OF DATA		31		12		31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	1	31	1		31		1
TOTAL		106		4.53		26	0	239	4311	3796	683	232	2721	2001	659	226	391	659	247	154	40	121	120		257		60

# MONTHLY REPORT OF OPERATION

## Trickling Filter Wastewater Treatment Plant

Date: Jul-04  
 LaPorte Wastewater Treatment Plant  
 2101 Boyd Boulevard  
 LaPorte IN, 46350  
 Phone # (219)362-2354

Permit # IN0025577  
 Certified Operator : Jerry P Jackson  
 Certification Number : 11496

### Final Effluent

Day of the Month	Day of the Week	Effluent Flow in MGal/Day	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	2.0	7.40	3		66		5		106		0.31		7		7.8		1.58	10	< 0.006
2	Fri	1.8	7.52	3		49		7		122		0.31		6		7.9		1.78	4	< 0.006
3	Sat	2.9	7.27	4	3	99	67	8	7	206	180	0.73	0.48	20	11	7.8		2.22	12	< 0.006
4	Sun	3.9	7.21	5		190		9		320		0.52		19		7.6		2.29	58	< 0.006
5	Mon	1.8	7.20	2		38		4		68		0.28		5		7.3		1.54	12	< 0.006
6	Tue	2.6	7.19	4		96		9		222		0.61		15		7.2		1.79	27	< 0.006
7	Wed	3.7	7.25	4		131		10		343		0.43		15		7.4		1.87	48	< 0.006
8	Thu	2.4	7.27	3		60		5		120		0.25		6		7.4		2.04	55	< 0.006
9	Fri	1.8	7.29	< 2		19		1		9		0.29		5		7.5		1.93	4	< 0.006
10	Sat	2.3	7.27	2	3	51	84	4	6	75	165	0.23	0.37	5	10	7.8		2.22	8	< 0.006
11	Sun	3.3	7.29	4		121		10		287		0.88		27		7.5		2.47	3	< 0.006
12	Mon	2.9	7.49	3		90		7		192		0.32		9		7.3		1.83	33	< 0.006
13	Tue	3.3	7.54	3		85		4		107		0.38		12		7.4		2.83	80	< 0.006
14	Wed	5.1	7.37	4		185		10		428		0.43		19		7.7		2.31	23	< 0.006
15	Thu	3.8	7.45	4		140		8		271		0.32		11		7.7		2.38	26	< 0.006
16	Fri	3.8	7.62	4		128		8		285		0.75		27		7.8		2.38	23	< 0.006
17	Sat	2.6	7.42	3	4	75	118	4	7	96	238	0.91	0.57	22	18	7.8		1.77	4	< 0.006
18	Sun	2.5	7.43	3		70		2		42		0.33		8		7.8		1.92	6	< 0.006
19	Mon	2.8	7.47	3		67		6		161		0.31		8		8.0		2.51	27	< 0.006
20	Tue	2.7	7.54	3		85		5		116		0.26		7		7.7		1.64	9	< 0.006
21	Wed	3.6	7.99	5		161		11		377		0.96		33		7.5		2.41	6	< 0.006
22	Thu	5.9	7.26	5		244		13		701		0.58		31		7.6		1.93	51	< 0.006
23	Fri	4.5	7.30	4		164		10		409		0.43		18		8.0		2.14	40	< 0.006
24	Sat	4.0	7.34	5	4	193	140	14	9	528	334	0.41	0.47	15	17	8.1		1.87	60	< 0.006
25	Sun	3.7	7.37	6		196		12		395		<0.20		3		8.3		2.34	52	< 0.006
26	Mon	2.8	7.52	5		127		12		304		<0.20		3		8.1		2.18	42	< 0.006
27	Tue	2.0	7.54	5		93		5		101		<0.20		2		7.9		2.29	49	< 0.006
28	Wed	1.9	7.54	3		66		7		140		0.26		5		7.7		1.85	22	< 0.006
29	Thu	1.9	7.58	3		58		5		102		0.23		4		7.6		2.24	14	< 0.006
30	Fri	3.1	7.54	4		112		14		377		0.77		22		7.8		2.24	22	< 0.006
31	Sat	2.0	7.46	4	4	64	102	5	8	83	214	0.77	0.33	14	8	7.8		2.41	4	< 0.006
AVERAGE		3.0	7.42	4		107		7		229		0.44		13		7.7		2.10	18	< 0.006
MAXIMUM		5.9	7.99	6	4	244	140	14	9	701	334	0.96	0.57	33	18	8.3		2.83	80	< 0.006
MINIMUM		1.8	7.19	<2		19		1		9		<0.20		2		7.2		1.54	3	< 0.006
# OF DATA		31	31	31		31		31		31		31		31		31		31	31	31
TOTAL		94	230	111		3320		228		7094		14		402		238.8		65.20	834	< 0.006

# MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Jul-04

LaPorte Wastewater Treatment Plant

2101 Boyd Boulevard

LaPorte IN, 46350

Phone # (219)362-2354

Page 3 of 6

Permit # IN0025577

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 Times per day	Sludge to Headworks (gal x 1000)	
1	Thu	195	104	54	34	20	14	326	6	4	161	
2	Fri	138	26			20	0	322	6	4	161	
3	Sat	188	99			21	0	321	6	4	160	
4	Sun	273	60		41	21	0	325	6	4	159	
5	Mon	120	113			20	0	323	6	4	156	
6	Tue	160	80			19	0	241	6	3	100	
7	Wed	240	120			22	0	350	6	4	139	
8	Thu	160	80	54		19	0	348	6	4	154	
9	Fri	130	60			20	13	347	6	4	154	
10	Sat	170	80			26	0	340	6	4	158	
11	Sun	185	117			22	0	333	6	3	104	
12	Mon	101	88			20	0	334	6	4	157	
13	Tue	320	100		41	20	0	332	6	4	149	
14	Wed	360	180			22	0	335	6	3	113	
15	Thu	252	123	47		19	0	339	6	4	153	
16	Fri	240	110			21	0	339	6	4	155	
17	Sat	120	87			23	0	330	6	4	138	
18	Sun	206	87			21	0	333	6	4	154	
19	Mon	208	72			20	0	331	6	4	156	
20	Tue	160	80			20	0	326	6	4	155	
21	Wed	200	180			21	0	326	6	6	171	
22	Thu	299	180			29	0	333	6	2	81	
23	Fri	231	152	54		22	0	341	6	4	174	
24	Sat	216	139			20	0	343	6	4	159	
25	Sun	246	107			20	0	339	6	4	160	
26	Mon	173	67			20	0	336	6	4	157	
27	Tue	140	60			20	11	331	6	4	162	
28	Wed	120	60			20	0	329	6	4	163	
29	Thu	153	64		34	20	0	329	6	4	166	
30	Fri	172	98			20	7	328	6	4	159	
31	Sat	145	58			20	0	327	6	4	161	
AVERAGE		194	98	7	5	21	1	330	6	4	150	
MAXIMUM		360	180	54	41	29	14	350	6	6	174	
MINIMUM		101	26	47	34	19	0	241	6	2	81	
# OF DATA		31	31	4	4	31	31	31	31	31	31	
TOTAL		6021	3031	209	149	643	44	10236	186	132	4649	

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: Jul-04  
 LaPorte Wastewater Treatment Plant  
 2101 Boyd Boulevard, La Porte IN 46350  
 Phone # (219)362-2354

Permit # IN0025577  
 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 Supernatant (gal x 1000)	Secondary to Storage Tank (gal x 1000)
1	Thu								96				96	31				75			101.9	
2	Fri								96				96	16				47			0.9	0
3	Sat								96				96	12				45			0.3	0
4	Sun								96				96	18				50			0.0	0
5	Mon		3.57	74.6	6.77	2.67	53.2	6.91	96	4.23	53.8	6.98	96	23	4.98	54.2	6.76	27			0.0	24
6	Tue								96				96	4				22			0.0	0
7	Wed								96				96	6				22			0.0	0
8	Thu								96				96	3				22			0.0	0
9	Fri								96				96	12				22			0.0	0
10	Sat								96				96	13				29			0.0	0
11	Sun								96				96	16				44			0.0	
12	Mon		4.58	69.3	5.64	2.39	52.6	7.04	96	4.52	54.6	7.19	96	22	5.02	53.8	7.09	24			0.0	25
13	Tue								96				96	10				23			0.0	0
14	Wed								96				96	9				33			0.0	0
15	Thu								96				96	13				41			0.0	0
16	Fri								96				96	14				43	0.07		32.0	0
17	Sat								96				96	22				45			9.1	0
18	Sun								96				96	18				48	0.16		5.4	0
19	Mon		0.93	72.1	6.42	2.39	48.1	7.03	96	3.23	49.6	7.14	96	27	5.37	53.1	7.10	25			1.7	27
20	Tue								96				96	11				23			0.6	0
21	Wed								96				96	15				46			0.7	0
22	Thu								96				96	25				70			0.7	
23	Fri								96				96	15				44	0.08		23.2	
24	Sat								96				96	20				49	0.11		26.2	0
25	Sun								96				96	16				42			3.7	0
26	Mon		3.07	67.9	6.24	1.90	54.9	6.98	96	1.88	54.0	7.10	96	25	4.94	53.6	7.17	21			0.4	25
27	Tue								96				96	15				31			0.8	
28	Wed								96				96	17				42			0.1	
29	Thu								96				96	12				39			0.0	
30	Fri								96				96	19				44			17.0	
31	Sat								96				96	22				45			15.6	
AVERAGE			3.04	71.0	6.27	2.34	52.2	6.99	96	3.47	53.0	7.10	96	16	5.08	53.7	7.03	38	0.11		7.8	3
MAXIMUM			4.58	74.6	6.77	2.67	54.9	7.04	96	4.52	54.6	7.19	96	31	5.37	54.2	7.17	75	0.16		101.9	27
MINIMUM			0.93	67.9	5.64	1.90	48.1	6.91	96	1.88	49.6	6.98	96	3	4.94	53.1	6.76	21	0.07		0.0	
# OF DATA			4	4	4	4	4	4	31	4	4	4	31	31	4	4	4	31	4		31	31
TOTAL			12	284	25	9	209	28	2970	14	212	28	2984	504	20	215	28	1183	0		241	103

# MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Jul-04  
 LaPorte Wastewater Treatment Plant  
 2101 Boyd Boulevard  
 LaPorte IN, 46350  
 Phone # (219)362-2354

Page 5 of 6

Permit # IN0025577  
 Certified Operator : Jerry P Jackson  
 Certification Number : 11496

## NPDES LIMITS AND ANALYSIS

### Metals and Cyanide Analysis

INFLUENT										EFFLUENT							
Method: 24 hour composite										Site: Post Cl2 Tank							
Sample Characteristics		Cd	Cr	Cu	Pb		Ni	Zn	CN-	Cd	Cr	Cu	Pb		Ni	Zn	CN-
Sample Number		CO1027	CO1032	CO1042	CO1051		CO1074	CO1092	CO0720	CO1027	CO1032	CO1042	CO1051		CO1074	CO1092	CO0720
Sample Type	Permit Condition	24 Hour	Grab	24 Hour	24 Hour		24 Hour	24 Hour	24 Hour	24 Hour	Grab	24 Hour	24 Hour		24 Hour	24 Hour	24 Hour
	Monitored	24 Hour	Grab	24 Hour	24 Hour		24 Hour	24 Hour	24 Hour	24 Hour	Grab	24 Hour	24 Hour		24 Hour	24 Hour	24 Hour
Frequency	Permit Condition	2-31 Days	2-31 Days	2-31 Days	2-31 Days		2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days		2-31 Days	2-31 Days	4-31 Days
	Monitored	2-31 Days	2-31 Days	2-31 Days	2-31 Days		2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days	2-31 Days		2-31 Days	2-31 Days	4-31 Days
Parameter Limits	Daily Maximum									0.005	0.940	0.055	0.020		0.160	0.500	0.016
	Monthly Average									0.002	0.400	0.024	0.010		0.070	0.200	0.016
1st Date: July 7th, 2004		<0.0002	<0.005	0.110	0.003		<0.002	0.340	<0.005	<0.0002	<0.005		<0.001		0.015	0.019	<0.005
2nd Date: July 14th, 2004				0.047													<0.005
3rd Date: July 21st, 2004		<0.0002	<0.005	0.085	0.002		<0.002	0.100	<0.005	<0.0002	<0.005		<0.001		<0.002	0.030	<0.005
4th Date: July 28th, 2004				0.099													<0.005
5th Date:																	
Number of times Limit Value exceeded:		NA	NA	NA	NA	NA	NA	NA	NA	0	0	*See Note	0	*See Note	0	0	0
Average		<0.0001	<0.003	0.085	0.003		<0.001	0.220	<0.003	<0.0001	<0.003		<0.001		0.008	0.025	<0.003
Maximum		<0.0002	<0.005	0.110	0.003		<0.002	0.340	<0.005	<0.0002	<0.005		<0.001		0.015	0.030	<0.005

\* We are currently under Agreed Order 2000-9996-W with IDEM to resolve effluent copper concerns.

**Effluent Copper Results are on an attached sheet due to the extra number of samples taken this month.**

### Other Permit Analysis

	Weekly Av	Monthly	Weekly Av	Monthly	Weekly Av	Monthly	Weekly Av	Monthly	Weekly Av	Monthly	Weekly Av	Monthly	Weekly Av	Monthly	Daily		Chlorine	Daily Max	Mnthly Av
	FLOW	Average	CBOD	Average	CBOD	Average	TSS	Average	TSS	Average	NH3-N	Average	NH3-N	Average	Dissolved	pH	Residual	Escherichia	Escherichia
	in	in	in	in	in	in	in	in	in	in	in	in	in	in	Oxygen*		in	(Colonies	(Colonies
	MGD	MGD	mg/L	mg/L	lbs/Day	lbs/Day	mg/L	mg/L	lbs/Day	lbs/Day	mg/L	mg/L	lbs/Day	lbs/Day	mg/L		mg/L	/100mL)	/100mL)
Limit	None	None	30	20	1751	1168	36	24	2102	1401	2.40	1.60	140	95	6.0	6-9	0.01	235	125
Times Violated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max	4.2	3.4	4	4	140	107	9	7	334	229	0.57	0.44	18	13	7.2	7.99	< 0.006	80	18
Total				0		0		0		0		0		0	0	0	0		0

\*Dissolved Oxygen value is minimum daily average

# MONTHLY REPORT OF OPERATION

## Trickling Filter Wastewater Treatment Plant

Date: Jul-04  
 LaPorte Wastewater Treatment Plant  
 2101 Boyd Boulevard, La Porte IN 46350  
 Phone # (219)362-2354

Page 6 of 6  
 Permit # IN0025577  
 Certified Operator : Jerry P Jackson  
 Certification Number : 11496

Total lbs Volatile Solids to Digester 3,731

Overall Percent Removal of Volatile Solids 52.6%

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 23,251

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 469

Fixed Bed Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 89

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 1,077

Rotary Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 23

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

Biotower Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 2

### Monthly Removal Summary

Percent Removal	CBOD	TSS	AMMONIA
<b>Primary Treatment</b>	37%	47%	3%
<b>Secondary Treatment</b>	86%	67%	62%
<b>Tertiary Treatment</b>	72%	65%	95%
<b>Overall Treatment</b>	97%	94%	98%

Detention Time (Hours)	Maximum	Minimum	Average
<b>Primary Settling Tank</b>	6.0	1.9	3.6
<b>Secondary Settling Tank</b>	4.4	1.4	2.6
<b>Final Settling Tank</b>	13.7	4.4	8.2
<b>Total Plant Retention Time</b>	24.0	7.8	14.5

Surface Flow Rate	Maximum	Minimum	Average
<b>Gallons per sq ft per Day</b>			
<b>Primary Settling Tank</b>	793	256	426
<b>Secondary Settling Tank</b>	1047	338	562
<b>Final Settling Tank</b>	534	173	287

Weir OverFlow Rate	Maximum	Minimum	Average
<b>1000 Gal per ft per Day</b>			
<b>Primary Settling Tank</b>	15	5	8
<b>Secondary Settling Tank</b>	13	4	7
<b>Final Settling Tank</b>	12	4	7

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:

7/2/04 - Power failure, on emergency power 30 minutes

7/6/04 - Influent flow diverted to storage from 7:00 am to 2:39 pm to replace biotower sump pump discharge piping. Stored flows were returned to the WWTP headworks for full treatment.

7/21/04 - Final Clarifier #1(north) out of service for 8 hours for weir cleaning

7/27/4 - Re-piped gas feed to sludge heaters to allow main burner operation solely on biogas. Pilot flame still utilizing NIPSCO(utility) gas.

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 DISCHARGE MONITORING REPORT (CSO DMR)**

STATE FORM 50546 (9-01)

City: <b>La Porte</b>	Page: 1 of 1
Facility: <b>La Porte Wastewater Treatment Facility</b>	Permit Number: <b>IN0025577</b>
Monitoring Period: (MM/DD/YY to MM/DD/YY) 07/01/2004 07/31/2004	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>	Measured/Metered (M) or Estimated (E) must be specified.(Please attach methods used.)

Day of Month	Day of Week	Precip. in Inches	Avg Infl. Flow Rate (MGD)	Peak Infl. Flow Rate (MGD)	CSO Outfall No. <b>002</b>			CSO Outfall No.			CSO Outfall No.													
					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	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E		
1	Thu		2.54	3.45																				
2	Fri		2.26	2.86																				
3	Sat	0.23	3.29	9.97																				
4	Sun	0.2	4.39	10.01																				
5	Mon		2.05	2.97																				
6	Tue	0.54	2.96	10.06																				
7	Wed		4.12	8.28																				
8	Thu		2.87	4.22																				
9	Fri	0.08	2.24	4.11																				
10	Sat	0.23	2.55	6.66																				
11	Sun	0.11	3.62	9.95																				
12	Mon		3.29	4.66																				
13	Tue	1.01	3.66	10.01																				
14	Wed		5.40	9.97																				
15	Thu		4.19	5.50																				
16	Fri	0.22	4.27	9.97																				
17	Sat		2.89	7.94																				
18	Sun		2.90	4.17																				
19	Mon		3.22	5.53																				
20	Tue		3.10	4.23																				
21	Wed	1.3	4.10	10.05																				
22	Thu	0.18	6.35	10.02																				
23	Fri		4.90	5.91																				
24	Sat		4.53	5.39																				
25	Sun		4.12	5.45																				
26	Mon	0.11	3.17	5.07																				
27	Tue		2.41	4.21																				
28	Wed		2.39	3.46																				
29	Thu		2.32	3.40																				
30	Fri	0.32	3.35	6.17																				
31	Sat		2.21	3.77																				
<b>Totals:</b>		4.53	n/a	n/a	n/a		0.0	0.00																

Typed or Printed Name and Title of Principal Executive Officer of Authorized Agent <b>Jerry P. Jackson, Superintendent</b>	Telephone <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>10/04/2004</b>
--	---------------------------