

**MONTHLY REPORT OF OPERATION**

**Trickling Filter Wastewater Treatment Plant**

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

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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 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	Sat	4.6	3.0	0.39		1.1	0.00	7.76	200	66	14.15	7.39	108	72	13.66	7.28	35	55	8.14	5.0		3.9		0.94	8.4	0.83	
2	Sun	3.1		0.11			0.00	7.80	253	74	18.06	7.38	155	70	19.91	7.35	30	29	7.59	5.0		3.9		1.83	8.3	1.64	
3	Mon	2.2					0.00	7.85	335	140	32.95	7.45	185	82	27.55	7.25	21	26	8.06	4.7		3.8		2.96	8.1	2.74	
4	Tue	2.1					0.00	7.89	226	126	33.44	7.45	149	48	27.01	7.30	22	15	8.21	4.7		3.9		3.10	8.3	2.97	
5	Wed	2.1					0.00	7.96	280	161	33.49	7.57	140	84	29.70	7.40	20	25	10.75	4.7		3.9		3.09	8.3	2.98	60
6	Thu	2.7					0.00	7.70	200	112	25.79	7.56	106	188	23.68	7.33	19	30	10.67	4.7		3.8		2.09	8.3	2.02	
7	Fri	2.4		0.05			0.00	7.69	340	164	33.17	7.51	149	76	25.79	7.45	21	21	8.46	4.8		3.9		2.55	8.0	2.29	
8	Sat	2.0	2.4				0.00	7.85	283	118	32.40	7.44	157	78	32.21	7.36	22	23	8.57	4.8		3.9		3.40	8.0	3.07	
9	Sun	2.0		0.05			0.00	7.73	297	102	33.32	7.41	159	50	30.98	7.28	21	13	8.34	4.8		3.8		3.35	8.0	3.05	
10	Mon	4.0		0.37		3.1	0.00	7.69	238	272	15.65	7.44	170	132	19.54	7.31	27	78	8.27	5.1		3.9		1.27	8.6	1.17	
11	Tue	4.6					0.00	7.71	177	138	13.91	7.38	140	62	12.04	7.18	31	31	4.89	4.8		3.8		0.87	8.5	0.84	
12	Wed	2.4		0.11			0.00	7.71	245	132	29.13	7.39	143	84	22.72	7.27	16	20	5.16	4.7		3.8		2.49	8.3	2.40	30
13	Thu	4.4		0.37		1.6	0.00	7.51	205	148	12.68	7.34	128	98	15.35	7.22	23	44	6.66	5.0		3.8		1.00	8.8	1.00	
14	Fri	4.7		0.64		3.3	0.00	7.62	143	90	13.51	7.42	100	76	13.47	7.23	22	31	5.50	5.3		3.9		0.95	8.9	0.91	
15	Sat	3.5	3.7	0.02			0.00	7.63	195	52	18.06	7.36	103	50	17.57	7.35	16	20	5.42	4.9		4.0		1.51	8.0	1.28	
16	Sun	2.0					0.00	7.83	283	90	32.99	7.37	168	80	29.92	7.27	17	23	7.65	4.9		3.9		3.46	8.0	3.11	
17	Mon	2.3					0.00	7.81	250	164	31.34	7.57	129	74	29.00	7.39	19	26	10.10	4.8		3.9	330	2.81	8.0	2.51	
18	Tue	4.2		0.49		1.9	0.00	7.32	155	126	15.06	7.26	91	112	15.47	7.32	18	45	6.32	5.1		3.9		1.14	8.9	1.12	
19	Wed	3.3					0.00	7.62	145	89	23.20	7.33	74	66	18.54	7.16	12	28	5.21	4.8		3.9		1.63	8.2	1.50	
20	Thu	2.8		0.26			0.00	7.75	170	160	24.85	7.43	88	78	26.87	7.30	11	28	8.15	4.8		3.9		2.16	8.3	2.01	
21	Fri	5.2		0.25		3.1	0.00	7.63	114	162	15.32	7.38	76	92	15.89	7.04	14	38	5.41	5.2		4.0		0.78	8.8	0.70	
22	Sat	4.6	3.5	0.46		2.9	0.00	7.69	102	116	16.38	7.35	75	114	13.00	7.18	15	49	4.88	5.2		3.9		0.96	8.8	0.91	
23	Sun	4.2		0.30		0.9	0.00	7.62	121	48	17.22	7.33	68	50	17.26	7.20	11	23	5.51	4.8		4.0		1.13	8.1	0.95	
24	Mon	3.9				0.5	0.00	7.71	109	92	16.43	7.38	93	86	15.56	7.22	18	34	5.74	4.8		4.0		1.24	8.1	1.07	
25	Tue	5.0		0.44		2.4	0.00	7.55	105	106	11.38	7.26	62	76	13.39	7.00	4	31	4.26	5.0		4.0		0.78	9.0	0.79	
26	Wed	2.4				2.1	0.00	7.78	140	90	25.80	7.34	78	64	23.09	7.19	13	22	6.92	4.6		3.7		2.42	8.3	2.39	
27	Thu	3.2					0.00	7.88	160	134	25.20	7.48	86	76	23.63	7.21	15	31	9.01	4.6		3.9		1.65	8.3	1.58	
28	Fri	2.3					0.00	7.81	185	124	32.52	7.47	103	57	26.93	7.44	12	19	6.22	4.6		3.9		2.75	8.0	2.51	
29	Sat	2.3	3.3				0.00	7.75	170	168	33.29	7.39	109	64	29.73	7.27	20	26	8.51	4.6		3.9		2.74	8.0	2.53	
30	Sun	4.9		1.26		5.3	0.00	7.77	121	156	18.01	7.42	80	102	16.12	7.30	18	43	5.88	5.2		3.8		0.86	9.3	0.91	
31	Mon	6.1		0.48		1.8	0.00	7.69	48	156	7.90	7.32	40	102	8.44	7.16	17	43	4.63	5.1		4.0		0.49	9.0	0.48	
AVERAGE		3.4		0.20		1.0	0.00	7.72	193	125	22.79	7.40	113	82	21.10	7.26	19	31	7.07	4.9		3.9	11	1.88	8.4	1.75	3
MAXIMUM		6.1	3.7	1.26		5.3	0.00	7.96	340	272	33.49	7.57	185	188	32.21	7.45	35	78	10.75	5.3		4.0	330	3.46	9.3	3.11	60
MINIMUM		2.0		0.02		0.0	0.00	7.32	48	48	7.90	7.26	40	48	8.44	7.00	4	13	4.26	4.6		3.7	330	0.78	8.0	0.70	30
# OF DATA		31		17		31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	1		31			2
TOTAL		105		6.05		30	0	239	5996	3876	707	230	3509	2543	654	225	579	970	219	151		121	330		260		90

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### 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	Sat	4.0	7.36	9	4	351	112	17	11	630	311	1.55	0.66	59	18	9.3		1.87	2	< 0.006
2	Sun	2.9	7.31	4		115		9		229		0.95		25		10.0		1.91	9	< 0.006
3	Mon	1.8	7.40	2		40		9		153		0.35		6		9.5		2.17	1	< 0.006
4	Tue	1.8	7.48	4		61		3		52		0.31		5		9.0		1.72	4	< 0.006
5	Wed	1.8	7.59	2		42		7		122		0.60		10		9.3		2.05	2	< 0.006
6	Thu	2.6	7.52	4		89		12		275		1.07		25		8.9		2.22	7	< 0.006
7	Fri	2.1	7.56	2		49		6		122		0.56		11		9.0		2.45	3	< 0.006
8	Sat	1.8	7.68	3	3	51	64	7	7	107	152	0.39	0.61	6	13	8.9		2.35	0	< 0.006
9	Sun	1.8	7.74	4		66		5		87		0.34		6		8.7		2.11	0	< 0.006
10	Mon	3.6	7.57	5		162		17		561		0.53		17		8.5		1.47	4	< 0.006
11	Tue	4.4	7.31	6		222		12		460		0.44		17		8.2		2.38	26	< 0.006
12	Wed	2.3	7.38	< 2		20		8		153		0.29		6		8.1		2.19	9	< 0.006
13	Thu	4.1	7.37	3		95		16		568		0.51		19		8.1		2.03	33	< 0.006
14	Fri	4.4	7.39	4		156		9		332		0.94		37		8.2		2.71	9	< 0.006
15	Sat	3.2	7.36	3	4	79	114	5	10	146	330	0.41	0.49	12	16	9.0		1.86	1	< 0.006
16	Sun	1.7	7.46	< 2		16		6		102		0.22		4		8.7		2.11	3	< 0.006
17	Mon	2.0	7.51	3		49		7		133		0.25		5		8.4		1.81	3	< 0.006
18	Tue	3.9	7.49	5		175		14		499		0.44		16		8.6		2.55	14	< 0.006
19	Wed	3.0	7.27	3		74		7		178		0.27		7		8.6		1.81	13	< 0.006
20	Thu	2.6	7.66	3		69		10		218		0.21		5		8.1		2.41	2	< 0.006
21	Fri	4.8	7.21	4		173		12		497		0.45		19		8.4		1.89	1	< 0.006
22	Sat	4.3	7.27	4	3	150	101	18	10	691	331	0.60	0.35	23	11	8.0		1.74	6	< 0.006
23	Sun	3.9	7.28	3		101		8		269		0.25		9		7.8		1.74	17	< 0.006
24	Mon	3.5	7.22	3		108		8		263		<0.20		3		8.1		1.95	4	< 0.006
25	Tue	4.7	6.99	< 2		42		12		505		0.25		11		8.5		2.85	24	< 0.006
26	Wed	2.1	7.43	4		73		6		122		0.20		4		8.3		1.97	15	< 0.006
27	Thu	2.9	7.48	3		91		8		201		0.40		11		8.4		2.24	12	< 0.006
28	Fri	1.9	7.53	3		61		5		95		0.40		8		8.3		2.28	3	< 0.006
29	Sat	1.8	7.55	6	3	119	85	6	7	104	223	0.24	0.26	5	7	8.6		1.58	1	< 0.006
30	Sun	4.3	7.59	6		247		17		669		0.98		40		8.4		2.85	22	< 0.006
31	Mon	5.5	7.09	5		248		17		836		0.25		12		8.0		2.85	22	< 0.006
AVERAGE		3.1	7.42	4		110		10		303		0.48		14		8.6		2.13	5	< 0.006
MAXIMUM		5.5	7.74	9	4	351	114	18	11	836	331	1.55	0.66	59	18	10.0		2.85	33	< 0.006
MINIMUM		1.7	6.99	<2		16		3		52		<0.20		3		7.8		1.47	0	< 0.006
# OF DATA		31	31	31		31		31		31		31		31		31		31	31	31
TOTAL		96	230	113		3397		297		9381		15		442		265.9		66.12	272	< 0.006

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## 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	Sat	241	113			27	0	324	6	3	133	
2	Sun	174	56			26	0	328	6	3	132	
3	Mon	54	40			20	0	329	6	4	179	
4	Tue	100	44			20	0	327	6	4	179	
5	Wed	100	46			20	7	324	6	4	179	
6	Thu	158	53			20	0	324	6	4	182	
7	Fri	125	58			20	0	327	6	4	186	
8	Sat	90	29			20	0	327	6	4	183	
9	Sun	90	36			20	0	326	6	4	180	
10	Mon	160	78			25	0	324	6	4	168	
11	Tue	300	100			24	0	325	6	4	160	
12	Wed	100	60			20	0	324	6	4	182	
13	Thu	234	66		54	24	0	325	6	4	182	
14	Fri	228	146	54		23	0	323	6	4	152	
15	Sat	163	90			20	0	324	6	4	179	
16	Sun	98	36			20	0	325	6	4	174	
17	Mon	65	42			20	0	323	6	4	174	
18	Tue	260	100			22	0	322	6	3	125	
19	Wed	170	80			20	0	322	6	4	173	
20	Thu	177	72			20	0	321	6	4	179	
21	Fri	317	138			26	0	323	6	4	145	
22	Sat	258	117			20	0	323	6	3	122	
23	Sun	213	107	81	47	20	0	323	6	4	166	
24	Mon	215	86			23	0	325	6	4	154	
25	Tue	280	120			23	0	325	6	4	143	
26	Wed	100	80			20	0	322	6	4	143	
27	Thu	166	77			20	0	317	6	4	165	
28	Fri	113	55			20	0	314	6	4	167	
29	Sat	106	49			20	0	313	6	4	165	
30	Sun	241	121			22	0	312	6	3	105	
31	Mon	342	101			22	5	315	6	3	101	
AVERAGE		175	77	4	3	21	0	323	6	4	160	
MAXIMUM		342	146	81	54	27	7	329	6	4	186	
MINIMUM		54	29	54	47	20	0	312	6	3	101	
# OF DATA		31	31	2	2	31	31	31	31	31	31	
TOTAL		5438	2396	135	101	660	12	10006	186	125	4954	

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 Supernatant (gal x 1000)	Secondary to Storage Tank (gal x 1000)
1	Sat								96				96	17				40	0.20		0.2	
2	Sun								96				96	20				44			0.2	
3	Mon		3.03	71.6	5.84	2.19	54.4	6.88	96	2.42	57.9	7.16	96	31	4.49	57.9	7.24	19			0.2	30
4	Tue								96				96	5				1			0.2	
5	Wed								96				96	25				46			0.4	
6	Thu								96				96	15				33			0.3	0
7	Fri								96				96	3				5			0.2	0
8	Sat								96				96	24				56	0.20		0.1	0
9	Sun								96				96	13				33			0.1	
10	Mon		3.30	71.6	6.38	2.16	54.6	6.78	96	2.01	50.5	7.08	96	31	4.22	54.0	7.04	15			0.1	35
11	Tue								96				96	10				1			0.1	
12	Wed								96				96	12				28			0.1	0
13	Thu								96				96	15				38			0.1	
14	Fri								96				96	18				43			0.1	
15	Sat								96				96	13				33			0.2	
16	Sun								96				96	16				43			0.2	
17	Mon		3.31	70.3	6.23	4.34	56.3	7.11	96	2.19	46.6	7.10	96	29	4.20	56.4	7.19	25			0.1	29
18	Tue								96				96	11				14			0.2	
19	Wed								96				96	15				25			0.2	
20	Thu								96				96	11				41			0.2	
21	Fri								96				96	25				60	0.18		0.4	
22	Sat								96				96	15				42			0.4	
23	Sun								96				96	18				47			0.6	
24	Mon		3.77	66.2	6.35	2.90	50.3	6.69	96	2.43	54.2	6.75	96	26	4.26	56.9	7.14	8			0.8	31
25	Tue								96				96	8				1			0.9	
26	Wed								96				96	16				47			0.9	
27	Thu								96				96	18				45			1.1	
28	Fri								96				96	13				34			1.1	0
29	Sat								96				96	13				37			1.4	0
30	Sun								96				96	23				63			1.8	0
31	Mon		0.48	70.6	6.50	2.65	56.1	7.00	96	2.05	56.9	7.33	96	29	4.38	56.3	7.22	28			0.7	28
AVERAGE			2.78	70.1	6.26	2.85	54.3	6.89	96	2.22	53.2	7.08	96	17	4.31	56.3	7.17	32	0.19		0.4	5
MAXIMUM			3.77	71.6	6.50	4.34	56.3	7.11	96	2.43	57.9	7.33	96	31	4.49	57.9	7.24	63	0.20		1.8	35
MINIMUM			0.48	66.2	5.84	2.16	50.3	6.69	96	2.01	46.6	6.75	96	3	4.20	54.0	7.04	1	0.18		0.1	
# OF DATA			5	5	5	5	5	5	31	5	5	5	31	31	5	5	5	31	3		31	31
TOTAL			14	350	31	14	272	34	2976	11	266	35	2978	536	22	282	36	993	1		14	153

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## 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	
Type	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	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	Daily Maximum								0.005	0.940	0.055	0.020	0.160	0.500	0.016	
Limits	Monthly Average								0.002	0.400	0.024	0.010	0.070	0.200	0.016	
1st Date:	May 5th, 2004	0.0003	0.046	0.120	0.005	0.025	0.092	<0.005	<0.0002	0.008	0.002	0.002	0.036	0.037	<0.005	
2nd Date:	May 12th, 2004			0.150							0.022				<0.005	
3rd Date:	May 19th, 2004	<0.0002	0.006	0.110	0.005	0.006	0.073	<0.005	<0.0002	0.006	0.022	<0.001	<0.002	0.022	<0.005	
4th Date:	May 26th, 2004			0.130							0.018				<0.005	
5th Date:																
Number of times Limit	Value exceeded:	NA	NA	NA	NA	NA	NA	NA	NA	0	0	0	0	0	0	
Average		0.0002	0.026	0.128	0.005	0.016	0.083	<0.003	<0.0001	0.007	0.016	0.001	0.019	0.030	<0.003	
Maximum		0.0003	0.046	0.150	0.005	0.025	0.092	<0.005	<0.0002	0.008	0.022	0.002	0.036	0.037	<0.005	

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

### 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		Daily Max	Mnthly Av	
	FLOW	Average	CBOD	Average	CBOD	Average	TSS	Average	TSS	Average	NH3-N	Average	NH3-N	Average	Dissolved	pH	Chlorine	Escherichia	Escherichia
	in	in	in	in	in	in	in	in	in	in	in	in	in	in	mg/L	mg/L	in	(Colonies	(Colonies
	MGD	MGD	mg/L	mg/L	lbs/Day	lbs/Day	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	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	3.7	3.4	4	4	114	110	11	10	331	303	0.66	0.48	18	14	7.8	7.74	< 0.006	33	5
Total				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: May-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 3,455

Overall Percent Removal of Volatile Solids 44.9%

### Monthly Removal Summary

Percent Removal	CBOD	TSS	AMMONIA
Primary Treatment	41%	34%	7%
Secondary Treatment	84%	62%	66%
Tertiary Treatment	80%	69%	93%
Overall Treatment	98%	92%	98%

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 32,243

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 460

Detention Time (Hours)	Maximum	Minimum	Average
Primary Settling Tank	6.3	2.0	3.6
Secondary Settling Tank	4.6	1.5	2.6
Final Settling Tank	14.4	4.6	8.3
Total Plant Retention Time	25.3	8.1	14.5

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

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 1,089

Surface Flow Rate	Maximum	Minimum	Average
Gallons per sq ft per Day			
Primary Settling Tank	760	244	425
Secondary Settling Tank	1003	322	561
Final Settling Tank	511	164	286

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

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

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

Weir OverFlow Rate	Maximum	Minimum	Average
1000 Gal per ft per Day			
Primary Settling Tank	15	5	8
Secondary Settling Tank	12	4	7
Final Settling Tank	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:

May 4, 12, 25 - Successful load test of the emergency power generator and switchgear

May 26 - Diverted raw flow to the CSO Storage Lagoon from 7:00 am to 9:30 am. The influent channel was cleaned and inspected during the down time. Wear surfaces on the two bar screens were replaced. All flows diverted to the CSO Storage Lagoon were returned to the WWTP headworks following the event.

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: \_\_\_\_\_



**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) <span style="margin-left: 100px;">05/01/2004</span> <span style="margin-left: 20px;">05/31/2004</span>	Check box if no CSO discharge occurred for the month: <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.)																			
					CSO Outfall No. <b>002</b>																		
Day of Month	Day of Week	Precip. in Inches	Avg Infl. Flow Rate (MGD)	Peak Infl. Flow Rate (MGD)	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	Sat	0.39	4.58	10.17																			
2	Sun	0.11	3.14	8.96																			
3	Mon		2.16	2.84																			
4	Tue		2.08	2.79																			
5	Wed		2.09	2.65																			
6	Thu		2.75	5.12																			
7	Fri	0.05	2.44	4.43																			
8	Sat		1.97	2.84																			
9	Sun	0.05	1.98	3.66																			
10	Mon	0.37	3.96	10.02																			
11	Tue		4.60	9.57																			
12	Wed	0.11	2.44	5.03																			
13	Thu	0.37	4.39	10.07																			
14	Fri	0.64	4.68	10.09																			
15	Sat	0.02	3.51	5.37																			
16	Sun		1.95	2.82																			
17	Mon		2.28	3.10																			
18	Tue	0.49	4.20	9.98																			
19	Wed		3.29	5.02																			
20	Thu	0.26	2.75	4.38																			
21	Fri	0.25	5.18	10.00																			
22	Sat	0.46	4.60	10.03																			
23	Sun	0.3	4.16	8.28																			
24	Mon		3.94	9.99																			
25	Tue	0.44	5.05	10.07																			
26	Wed		2.44	5.19																			
27	Thu		3.22	5.48																			
28	Fri		2.28	3.94																			
29	Sat		2.27	3.22																			
30	Sun	1.26	4.86	10.03																			
31	Mon	0.48	6.08	10.02																			
<b>Totals:</b>		<b>6.05</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>		<b>0.0</b>		<b>0.00</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>10/04/2004</b>