

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Jul-03
 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 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	2.1					0.00	7.37	165	116	30.40	7.24	95	74	23.05	7.02	14	24	7.28	4.8		4.0		3.10	8.3	2.85	
2	Wed	2.6					0.00	7.51	165	77	25.67	7.25	89	46	23.60	7.28	14	33	9.47	4.8		3.9		2.39	8.3	2.21	
3	Thu	2.2					0.00	7.70	230	198	30.49	7.27	101	72	26.15	7.08	15	33	7.26	4.8		3.9		2.99	8.3	2.78	
4	Fri	2.3					0.00	7.65	210	170	28.77	7.34	116	64	26.10	7.12	13	28	7.07	4.9		3.9		2.85	8.1	2.56	
5	Sat	4.3	2.6	0.62		2.5	0.00	7.09	134	194	16.21	7.01	64	90	14.29	7.11	15	36	6.72	5.2		3.9		1.11	8.7	1.01	
6	Sun	5.4		0.85		4.4	0.00	7.49	38	124	10.16	7.34	27	60	12.94	7.25	12	28	7.89	5.6		3.9		0.75	8.9	0.63	
7	Mon	5.9		1.24		2.8	0.00	7.55	63	63	11.73	7.24	37	50	8.87	7.05	10	17	2.28	5.4		3.9		0.59	9.0	0.54	
8	Tue	5.9		0.44		5.8	2.45	7.46	38	102	6.80	7.14	38	78	11.13	6.68	11	42	5.68	5.8		3.9		0.64	9.5	0.60	
9	Wed	4.3		0.06			0.28	7.48	85	67	13.82	7.25	53	56	13.51	6.98	10	30	4.79	4.9		4.0		1.04	8.3	0.91	
10	Thu	4.5		0.16			0.00	7.62	120	62	14.83	7.44	80	44	16.22	7.23	13	11	5.14	4.9		4.0		0.96	8.4	0.85	
11	Fri	4.2					0.00	7.59	116	70	14.36	7.34	83	47	15.68	7.24	16	18	5.52	4.9		4.0		1.12	8.1	0.94	
12	Sat	3.9	4.9				0.00	7.58	107	44	16.35	7.27	58	40	15.66	7.04	13	17	5.72	4.9		4.0		1.29	8.1	1.09	
13	Sun	3.9					0.00	7.77	82	56	15.45	7.38	60	38	15.61	7.05	11	17	5.90	4.9		4.0		1.28	8.1	1.09	
14	Mon	3.9					0.00	7.71	113	94	15.97	7.37	71	64	14.55	7.08	13	29	5.52	4.9		4.0		1.26	8.1	1.07	
15	Tue	4.4		0.19		1.1	0.00	7.33	113	86	13.66	7.25	73	42	15.42	7.28	16	16	5.90	5.1		4.0		1.04	8.6	0.93	
16	Wed	3.7					0.00	7.52	109	114	17.46	7.42	75	42	16.55	7.16	11	20	6.55	4.9		4.0	270	1.41	7.2	0.96	
17	Thu	2.6					0.00	7.50	195	220	24.94	7.35	95	64	22.22	7.14	11	16	6.88	4.9		4.0		2.35	6.0	1.27	
18	Fri	2.1					0.00	7.50	235	126	30.37	7.31	91	60	28.34	7.05	11	15	8.01	4.9		3.9		3.19	7.2	2.41	
19	Sat	2.1	3.2				0.00	7.56	165	150	29.81	7.33	107	74	27.33	7.15	12	22	9.23	4.9		3.9		3.27	8.3	3.01	
20	Sun	2.3		0.10			0.00	7.70	198	130	28.25	7.34	129	58	27.81	7.14	17	14	10.07	4.9		3.9		2.81	8.4	2.62	
21	Mon	4.8		0.46		2.3	0.00	7.44	125	131	12.80	7.11	98	68	18.20	6.92	15	25	7.20	5.2		4.0		0.92	7.1	0.48	
22	Tue	2.8					0.00	7.60	120	76	22.36	7.36	70	46	19.71	7.32	10	17	7.14	4.9		4.0		2.14	4.4	0.58	
23	Wed	2.7					0.00	7.59	170	94	23.45	7.26	87	46	22.96	7.32	12	15	8.06	4.9		3.9		2.30	4.4	0.65	
24	Thu	2.2					0.00	7.60	200	138	28.64	7.37	94	64	26.79	7.16	9	23	9.09	4.8		3.9		3.02	4.4	1.01	
25	Fri	2.2					0.00	7.75	160	106	26.85	7.45	101	27	26.80	7.11	13	4	8.87	4.9		3.9		2.91	7.0	2.13	
26	Sat	2.4	2.8				0.00	7.65	178	104	28.14	7.42	95	60	25.21	7.26	11	19	6.90	4.9		4.0		2.63	8.3	2.40	
27	Sun	3.9		0.44		3.3	0.00	7.72	173	116	18.31	7.47	99	48	21.47	7.37	17	24	6.63	5.3		3.9		1.36	9.0	1.30	
28	Mon	3.2					0.00	7.64	135	80	17.97	7.38	84	66	15.86	7.12	10	23	5.30	4.9		4.0		1.76	8.3	1.60	
29	Tue	2.1					0.00	7.71	170	110	26.80	7.35	113	58	26.14	7.11	13	19	8.24	4.6		3.9		2.96	8.3	2.87	
30	Wed	2.6					0.00	7.75	145	107	28.19	7.60	82	56	25.02	7.47	11	19	8.15	4.5		3.9		2.28	8.3	2.22	
31	Thu	2.6					0.00	7.80	160	202	24.93	7.53	89	78	24.24	7.30	10	19	8.18	4.9		3.9		2.38	8.3	2.19	
AVERAGE		3.4		0.15		0.7	0.09	7.58	142	114	21.10	7.33	82	57	20.24	7.15	13	22	6.99	5.0		3.9	9	1.94	7.8	1.54	
MAXIMUM		5.9	4.9	1.24		5.8	2.45	7.80	235	220	30.49	7.60	129	90	28.34	7.47	17	42	10.07	5.8		4.0	270	3.27	9.5	3.01	
MINIMUM		2.1		0.06		0.0	0.00	7.09	38	44	6.80	7.01	27	27	8.87	6.68	9	4	2.28	4.5		3.9	270	0.59	4.4	0.48	
# OF DATA		31		10		31	31	31	31	31	31	31	31	31	31	31	31	31	31	31		31	1		31		
TOTAL		104		4.56		22	3	235	4416	3527	654	227	2554	1780	627	222	389	672	217	154		122	270		242		

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Jul-03
 LaPorte Wastewater Treatment Plant
 2101 Boyd Boulevard
 LaPorte IN, 46350
 Phone # (219)362-2354

Page 2 of 6

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	Tue	2.2	7.21	2		43		7		130		0.33		6		8.2		2.24	4	< 0.006
2	Wed	2.3	7.47	21		451		4		86		0.48		10		8.1		1.74	18	< 0.006
3	Thu	2.0	7.30	4		71		16		283		0.33		6		8.1		1.74	20	< 0.006
4	Fri	2.1	7.54	3		48		3		48		0.22		4		8.0		2.30	6	< 0.006
5	Sat	4.1	7.50	5	6	180	127	8	7	271	147	0.76	0.41	28	10	7.3		3.14	12	< 0.006
6	Sun	5.0	7.51	10		445		15		669		1.85		84		7.7		1.87	19	< 0.006
7	Mon	5.7	7.05	5		234		15		708		0.36		17		8.2		2.48	17	< 0.006
8	Tue	5.6	6.96	4		208		19		930		0.40		20		11.1		1.82	39	< 0.006
9	Wed	4.1	7.05	4		126		13		469		0.48		17		9.4		2.18	48	< 0.006
10	Thu	4.3	7.45	7		253		14		533		0.44		16		7.9		2.13	39	< 0.006
11	Fri	3.9	7.32	3		115		10		331		0.33		12		7.2		1.81	29	< 0.006
12	Sat	3.6	7.26	5	5	151	219	6	13	193	548	0.32	0.60	10	25	7.6		2.42	19	< 0.006
13	Sun	3.6	7.56	4		116		4		121		0.29		9		7.7		2.17	13	< 0.006
14	Mon	3.6	7.25	3		98		10		310		0.21		7		7.9		1.76	27	< 0.006
15	Tue	4.3	7.29	6		223		15		566		0.29		11		7.7		2.03	158	< 0.006
16	Wed	3.5	7.28	3		96		9		277		0.32		10		7.9		2.01	15	< 0.006
17	Thu	2.5	7.31	3		66		7		154		0.34		8		7.7		1.89	32	< 0.006
18	Fri	2.0	7.34	5		86		17		289		0.40		7		7.9		2.02	8	< 0.006
19	Sat	1.9	7.55	2	4	34	103	6	10	103	260	0.28	0.30	5	8	8.1		1.86	15	< 0.006
20	Sun	2.2	7.64	3		50		2		34		0.25		5		8.0		2.08	11	< 0.006
21	Mon	4.5	7.17	5		199		11		438		0.78		31		8.1		1.99	49	< 0.006
22	Tue	2.7	7.51	3		66		5		111		0.90		21		7.9		2.18	16	< 0.006
23	Wed	2.6	7.47	7		149		23		501		1.01		22		8.0		2.03	14	< 0.006
24	Thu	2.0	7.22	3		49		9		155		0.63		11		8.0		2.26	11	< 0.006
25	Fri	2.0	7.23	3		49		2		28		0.87		16		7.9		2.38	19	< 0.006
26	Sat	2.3	7.46	3	4	51	88	8	8	153	203	0.29	0.68	6	16	8.0		1.95	32	< 0.006
27	Sun	3.7	7.52	6		198		12		390		1.55		50		7.8		1.51	12	< 0.006
28	Mon	3.0	7.26	5		131		20		533		0.70		19		8.0		2.07	46	< 0.006
29	Tue	1.9	7.19	3		57		7		116		0.29		5		8.0		1.89	8	< 0.006
30	Wed	2.3	7.72	3		58		7		150		0.41		9		8.1		2.24	7	< 0.006
31	Thu	2.4	7.54	4		76		12		261		0.39		8		8.2		2.28	3	< 0.006
AVERAGE		3.2	7.36	5		135		10		301		0.53		16		8.1		2.08	17	< 0.006
MAXIMUM		5.7	7.72	21	6	451	219	23	13	930	548	1.85	0.68	84	25	11.1		3.14	158	< 0.006
MINIMUM		1.9	6.96	2		34		2		28		0.21		4		7.2		1.51	3	< 0.006
# OF DATA		31	31	31		31		31		31		31		31		31		31	31	31
TOTAL		98	228	143		4178		309		9341		16		491		249.7		64.47	766	< 0.006

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Jul-03

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	Tue	100	20			20	0	308	6	4	170		
2	Wed	100	40			20	0	284	6	4	169		
3	Thu	85	24			18	0	338	6	4	167		
4	Fri	91	28			16	0	341	6	4	171		
5	Sat	164	77			30	0	336	6	3	121		
6	Sun	206	96			27	0	336	6	3	137		
7	Mon	222	95	34	41	34	0	338	6	4	147		
8	Tue	220	40	41		36	0	339	5	5	164		
9	Wed	120	47			27	0	339	6	7	247		
10	Thu	168	95			26	0	339	6	4	181		
11	Fri	171	105		20	26	0	335	6	4	162		
12	Sat	168	86			26	0	333	6	4	172		
13	Sun	159	79			26	0	328	6	4	178		
14	Mon	178	75			26	0	324	6	4	178		
15	Tue	200	100			32	0	323	6	3	135		
16	Wed	140	60			23	0	326	6	4	176		
17	Thu	85	54			26	0	322	6	4	173		
18	Fri	98	41			26	0	322	6	4	175		
19	Sat	84	33			26	0	323	6	4	178		
20	Sun	98	42			28	0	321	6	4	164		
21	Mon	175	90	54	47	31	0	325	6	4	143		
22	Tue	100	40			24	12	324	6	4	180		
23	Wed	60	40			26	0	321	6	4	182		
24	Thu	181	40			26	0	320	6	4	188		
25	Fri	80	34			26	0	319	6	4	196		
26	Sat	113	46			26	0	320	6	4	206		
27	Sun	150	70			32	0	322	6	3	168		
28	Mon	104	50			27	0	329	6	4	205		
29	Tue	100	40	47		26	7	326	6	4	205		
30	Wed	100	40			26	0	324	6	4	206		
31	Thu	133	46			26	0	322	6	4	206		
AVERAGE		134	57	6	3	26	1	326	6	4	176		
MAXIMUM		222	105	54	47	36	12	341	6	7	247		
MINIMUM		60	20	34	20	16	0	284	5	3	121		
# OF DATA		31	31	4	3	31	31	31	31	31	31		
TOTAL		4153	1773	176	108	813	19	10107	185	135	5451		

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		

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Jul-03
 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	Tue								96				96	26				42	0.09		0.6	0
2	Wed								96				96					25			0.8	0
3	Thu								96				96	13				28			0.7	
4	Fri								96				96	13				45	0.09		0.7	0
5	Sat								96				96	26				51			0.7	
6	Sun								96				96	22				58			0.8	0
7	Mon		2.99	63.2	6.01	1.83	54.5	6.72	96	3.72	53.2	6.99	96	35	5.78	52.9	6.97	40			0.8	26
8	Tue								96				96	36				88			0.8	
9	Wed								96				96	25				37			0.8	
10	Thu								96				96	19				29			0.8	
11	Fri								96				96	22				34			0.8	
12	Sat								96				96	22				29			0.9	
13	Sun								96				96	17				39			0.9	0
14	Mon		2.23	71.0		1.71	55.5	6.74	96	1.72	47.1	6.92	96	33	5.27	54.7	6.85	32			0.9	29
15	Tue								96				96	28				58			0.9	
16	Wed								96				96	20				46			0.9	
17	Thu								96				96	22				43	0.16		0.9	
18	Fri								96				96	19				43			0.9	
19	Sat								96				96	22				39	0.16		0.9	
20	Sun								96				96	15				33			0.9	
21	Mon		3.76	73.4	6.27	2.98	53.3		96	1.63	50.0	6.94	96	42	5.11	51.2	6.87	41			0.9	28
22	Tue								96				96	24				52			0.6	
23	Wed								96				96	24				60			0.3	
24	Thu								96				96	21				38			0.3	
25	Fri								96				96	29				42			0.2	0
26	Sat								96				96	20				57			0.2	
27	Sun								96				96	28				80			0.2	
28	Mon		3.04	63.1	6.68	1.47	61.5	6.64	96	2.50	59.8	6.73	96	31	5.49	47.7	6.85	43			0.2	26
29	Tue								96				96	23				53			0.2	
30	Wed								96				96	22				61			0.1	
31	Thu								96				96	24				65			0.1	
AVERAGE			3.01	67.7	6.32	2.00	56.2	6.70	96	2.39	52.5	6.90	96	23	5.41	51.6	6.89	46	0.13		0.6	4
MAXIMUM			3.76	73.4	6.68	2.98	61.5	6.74	96	3.72	59.8	6.99	96	42	5.78	54.7	6.97	88	0.16		0.9	29
MINIMUM			2.23	63.1	6.01	1.47	53.3	6.64	96	1.63	47.1	6.73	96		5.11	47.7	6.85	25	0.09		0.1	
# OF DATA			4	4	3	4	4	3	31	4	4	4	31	31	4	4	4	31	4		31	31
TOTAL			12	271	19	8	225	20	2977	10	210	28	2976	723	22	207	28	1430	1		20	109

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Jul-03

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							
		Cd	Cr	Cu	Pb		Ni	Zn	CN-	Cd	Cr	Cu	Pb		Ni	Zn	CN-
Sample Characteristics		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	Daily Maximum									0.005	0.940	0.055	0.020		0.160	0.500	0.016
	Limits									0.002	0.400	0.024	0.010		0.070	0.200	0.016
1st Date:		July 1st, 2003															<0.005
2nd Date:		<0.0002	<0.005	0.068	0.005		0.015	0.050	<0.005	<0.0002	<0.005	0.034	0.002		0.008	0.022	<0.005
3rd Date:		July 16th, 2003															<0.005
4th Date:		<0.0002	<0.005	0.120	0.006		0.005	0.064	<0.005	<0.0002	<0.005	0.055	0.002		<0.002	0.039	<0.005
5th Date:		July 30th, 2003															0.006
Number of times Limit																	
Value exceeded:		NA	NA	NA	NA	NA	NA	NA	NA	0	0	1	0		0	0	0
Average		<0.0001	<0.003	0.094	0.006		0.010	0.057	<0.003	<0.0001	<0.003	0.045	0.002		0.005	0.031	0.003
Maximum		<0.0002	<0.005	0.120	0.006		0.015	0.064	<0.005	<0.0002	<0.005	0.055	0.002		0.008	0.039	0.006

* 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		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	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	4.9	3.4	6	5	219	135	13	10	548	301	0.68	0.53	25	16	7.2	7.72	< 0.006	158	17
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-03
 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 4,449

Overall Percent Removal of Volatile Solids 49.0%

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 23,497

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 470

Fixed Bed Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 90

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 1,012

Rotary Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 21

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
Primary Treatment :	42%	50%	4%
Secondary Treatment :	85%	62%	65%
Tertiary Treatment :	63%	54%	92%
Overall Treatment :	97%	91%	97%

Detention Time (Hours)	Maximum	Minimum	Average
Primary Settling Tank	5.9	2.1	3.6
Secondary Settling Tank	4.3	1.5	2.7
Final Settling Tank	13.6	4.7	8.4
Total Plant Retention Time	23.9	8.3	14.7

Surface Flow Rate			
Gallons per sq ft per Day	Maximum	Minimum	Average
Primary Settling Tank	744	258	420
Secondary Settling Tank	982	341	555
Final Settling Tank	500	174	283

Weir OverFlow Rate			
1000 Gal per ft per Day	Maximum	Minimum	Average
Primary Settling Tank	14	5	8
Secondary Settling Tank	12	4	7
Final Settling Tank	11	4	6

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:

07/01/2003 - Secondary Clarifier #1 out of service for maintenance for 8 hours.
 07/02/2003 - Secondary Clarifier #2 out of service for maintenance for 8 hours.
 07/06/2003 - Loss of utility electric power, on emergency generator 7:50 pm to 8:20 pm
 07/07/2003 - Lightning damaged the CSO flowmeter(outfall 002), the CSO Lagoon Return Flow meter, and the CSO Lagoon Pumpstation at 11:42pm. The CSO Lagoon Pump Station was back in operation by the next day(7/8/2003) at 8:58am. The CSO Flowmeter was back in operation by 12:58pm. No CSO event occurred on 7/7/2003.
 07/08/2003 - Tertiary Clarifier #1 out of service for maintenance for 8 hours.
 See attached additional comments on plant operation

I hereby 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 prepare and maintain the information contained hereon and that I am a duly licensed professional engineer, or those persons directly responsible for gathering the information, the information furnished in this report is true and correct to the best of my knowledge and belief, I am aware that there are significant penalties for submitting false information, including the possibility of being imprisoned for housing violations.

Certified Operator Signature: _____

Certification # : 11496

Executive Officer OR Authorized Agent Signature: _____

Additional Monthly Comments Concerning Plant Operation:

07/08/2003 - As a result of lightning damage to instrumentation on 7/7/2003, CSO volume for 7/8/2003 is estimated.
 The following calculations were used in the estimate:
 Volume Diverted into CSO Lagoon: 6.30 MG
 Volume Returned to the WWTP from the lagoon: 0.80 MG(based on pump run hours)
 Volume Retained in the CSO Lagoon: 3.05 MG(based on initial and final lagoon levels)
 Estimated CSO Volume for 7/8/2003: 2.45 MG
 Estimated CSO Duration for 7/8/2003: 23.00 hr(based on flow to lagoon)
 07/09/2003 - Tertiary Clarifier #2 out of service for maintenance for 8 hours.
 07/15/2003 - LaPorte Water Department began adding orthophosphate to finished water to lessen corrosion of copper pipe and fixtures in customer piping. Initial feed concentration is 0.5 mg/l, target concentration is 1.4 mg/l.
 07/16/2003 - Testing new mode of biotower operation. Flow is alternatively directed to each tower every 4 hrs. When raw flow is <3 mgd, one biotower pump is operated at full speed. When raw flow is >3.5 MGD, the speed of two biotower pumps are varied to result in biotower flow = raw flow + 1 mgd. Three pumps operate in wet weather.
 07/17/2003 - Loss of utility electric power, on emergency generator 3:30 am to 11:50 am. NIPSCO voltage was high(515V supplied, 480V is normal) when power returned at 7:00 am. Remained on generator until normal voltage was restored at 11:50a.
 07/21/2003 - Testing same mode of biotower operation as that described for 7/16 for 7/21 through 7/25.



**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
CSO DISCHARGE MONITORING REPORT (CSO DMR)**

STATE FORM 50546 (9-01)

City: La Porte	Page: 1 of 1
Facility: La Porte Wastewater Treatment Facility	Permit Number: IN0025577
Monitoring Period: (MM/DD/YY to MM/DD/YY) 07/01/2003 07/31/2003	Check box if no CSO discharge occurred for the month: <input type="checkbox"/>

Design Peak Inf. Flow(MGD) **9.7** 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. 002					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	Tue		2.14	2.88																			
2	Wed		2.58	3.95																			
3	Thu		2.19	2.95																			
4	Fri		2.28	3.51																			
5	Sat	0.62	4.33	10.02																			
6	Sun	0.85	5.44	10.00																			
7	Mon	1.24	5.85	10.06																			
8	Tue	0.44	5.95	10.09	13:06		10.9	M	2.45	M													
9	Wed	0.06	4.33	6.01	0:00		17.5	M	0.28	M													
10	Thu	0.16	4.53	7.64																			
11	Fri		4.18	7.58																			
12	Sat		3.86	4.58																			
13	Sun		3.86	4.84																			
14	Mon		3.91	4.65																			
15	Tue	0.19	4.45	9.88																			
16	Wed		3.69	4.66																			
17	Thu		2.64	4.19																			
18	Fri		2.10	2.77																			
19	Sat		2.06	3.16																			
20	Sun	0.1	2.31	7.55																			
21	Mon	0.46	4.77	10.06																			
22	Tue		2.81	4.18																			
23	Wed		2.67	3.81																			
24	Thu		2.18	2.82																			
25	Fri		2.24	3.12																			
26	Sat		2.44	3.47																			
27	Sun	0.44	3.90	10.10																			
28	Mon		3.20	4.85																			
29	Tue		2.14	2.81																			
30	Wed		2.58	3.87																			
31	Thu		2.60	3.33																			
Totals:		4.56	n/a	n/a	n/a		28.4		2.73														

Typed or Printed Name and Title of Principal Executive Officer of Authorized Agent Jerry P Jackson, Superintendent	Telephone 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 04/01/2004
--	---------------------------