

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Aug-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 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 | Sun | 2.1 | | | | | 0.00 | 7.73 | 163 | 94 | 31.83 | 7.47 | 122 | 52 | 29.72 | 7.32 | 14 | 17 | 10.09 | 5.0 | | 3.8 | | 3.18 | 8.3 | 2.96 | |
| 2 | Mon | 2.3 | | | | | 0.00 | 7.68 | 129 | 118 | 26.11 | 7.55 | 103 | 50 | 24.11 | 7.41 | 23 | 21 | 10.47 | 4.9 | | 3.8 | | 2.73 | 8.3 | 2.55 | |
| 3 | Tue | 2.2 | | 0.50 | | | 0.00 | 7.61 | 230 | 138 | 31.20 | 7.52 | 122 | 66 | 23.85 | 7.40 | 13 | 17 | 7.85 | 4.9 | | 3.9 | | 2.95 | 8.3 | 2.75 | |
| 4 | Wed | 7.6 | | 1.24 | | 8.4 | 0.00 | 7.46 | 60 | 85 | 5.63 | 7.44 | 49 | 56 | 6.78 | 7.28 | 16 | 31 | 4.52 | 6.2 | | 4.0 | | 0.36 | 10.2 | 0.35 | |
| 5 | Thu | 5.4 | | | | | 0.00 | 7.64 | 43 | 36 | 9.49 | 7.52 | 49 | 44 | 12.23 | 7.43 | 10 | 16 | 5.14 | 4.9 | | 4.0 | | 0.65 | 8.3 | 0.54 | |
| 6 | Fri | 4.7 | | | | | 0.00 | 7.78 | 75 | 66 | 12.25 | 7.61 | 66 | 61 | 15.11 | 7.36 | 14 | 23 | 7.05 | 4.9 | | 4.0 | | 0.88 | 8.3 | 0.75 | |
| 7 | Sat | 3.0 | 3.9 | | | | 0.00 | 7.65 | 125 | 86 | 18.68 | 7.50 | 78 | 68 | 18.59 | 7.32 | 13 | 28 | 5.23 | 4.9 | | 4.0 | | 1.98 | 8.3 | 1.77 | |
| 8 | Sun | 2.0 | | | | | 0.00 | 7.83 | 178 | 80 | 31.82 | 7.56 | 111 | 46 | 28.05 | 7.34 | 10 | 8 | 7.75 | 4.9 | | 3.8 | | 3.45 | 8.3 | 3.24 | |
| 9 | Mon | 2.4 | | 0.07 | | | 0.00 | 7.74 | 215 | 171 | 29.69 | 7.55 | 129 | 74 | 21.34 | 7.38 | 14 | 24 | 7.75 | 4.8 | | 3.9 | | 2.55 | 8.3 | 2.41 | |
| 10 | Tue | 2.2 | | | | | 0.00 | 7.84 | 195 | 106 | 28.39 | 7.61 | 112 | 46 | 22.29 | 7.44 | 12 | 11 | 6.93 | 4.8 | | 3.9 | | 3.06 | 8.3 | 2.85 | 60 |
| 11 | Wed | 2.4 | | | | | 0.00 | 7.82 | 200 | 135 | 42.93 | 7.62 | 115 | 60 | 37.54 | 7.50 | 10 | 16 | 11.25 | 4.9 | | 3.9 | | 2.71 | 4.7 | 1.00 | |
| 12 | Thu | 3.7 | | 0.54 | | | 0.00 | 7.83 | 205 | 234 | 32.54 | 7.62 | 81 | 74 | 30.35 | 7.48 | 17 | 26 | 13.16 | 4.9 | | 3.9 | | 1.39 | 8.5 | 1.31 | |
| 13 | Fri | 3.7 | | 0.05 | | 1.4 | 0.00 | 7.86 | | 122 | 21.12 | 7.58 | 80 | 77 | 23.61 | 7.30 | 17 | 32 | 9.99 | 5.1 | | 4.0 | | 1.44 | 8.6 | 1.31 | |
| 14 | Sat | 2.1 | 2.6 | | | | 0.00 | 7.81 | 170 | 116 | 46.45 | 7.48 | 128 | 72 | 50.34 | 7.32 | 13 | 20 | 16.35 | 4.9 | | 3.9 | | 3.10 | 8.3 | 2.90 | |
| 15 | Sun | 2.2 | | | | | 0.00 | 7.81 | 175 | 84 | 45.56 | 7.49 | 113 | 70 | 39.34 | 7.39 | 12 | 16 | 15.10 | 4.9 | | 3.8 | | 2.97 | 8.3 | 2.78 | |
| 16 | Mon | 2.2 | | | | | 0.00 | 7.77 | 220 | 126 | 49.44 | 7.53 | 134 | 90 | 38.77 | 7.37 | 14 | 13 | 13.71 | 4.9 | | 3.9 | | 2.99 | 8.3 | 2.82 | |
| 17 | Tue | 4.5 | | 1.84 | | 5.3 | 0.00 | 7.81 | 116 | 182 | 22.08 | 7.57 | 85 | 98 | 21.03 | 7.43 | 22 | 33 | 12.57 | 5.7 | | 3.9 | | 1.14 | 9.5 | 1.11 | |
| 18 | Wed | 5.9 | | 0.34 | | 0.3 | 0.00 | 7.73 | 52 | 53 | 12.69 | 7.52 | 45 | 66 | 12.53 | 7.35 | 12 | 25 | 5.47 | 5.1 | | 4.1 | | 0.56 | 8.7 | 0.48 | |
| 19 | Thu | 6.3 | | 0.11 | | 1.8 | 0.00 | 7.58 | 60 | 68 | 12.57 | 7.44 | 47 | 58 | 14.92 | 7.19 | 12 | 24 | 7.72 | 5.4 | | 4.2 | | 0.51 | 9.0 | 0.42 | |
| 20 | Fri | 5.9 | | 0.17 | | | 0.00 | 7.61 | 102 | 98 | 11.12 | 7.49 | 73 | 70 | 12.95 | 7.25 | 17 | 33 | 6.99 | 5.3 | | 4.1 | | 0.60 | 9.4 | 0.59 | |
| 21 | Sat | 4.0 | 4.4 | | | | 0.00 | 7.61 | 108 | 48 | 14.66 | 7.41 | 61 | 44 | 14.86 | 7.22 | 14 | 21 | 5.14 | 5.0 | | 4.1 | | 1.25 | 8.3 | 1.07 | |
| 22 | Sun | 2.0 | | | | | 0.00 | 7.83 | 183 | 112 | 31.41 | 7.52 | 120 | 66 | 29.25 | 7.37 | 12 | 19 | 8.60 | 5.0 | | 3.9 | | 3.31 | 8.3 | 3.06 | |
| 23 | Mon | 2.9 | | | | | 0.00 | 7.77 | 155 | 114 | 22.98 | 7.57 | 99 | 76 | 22.96 | 7.33 | 18 | 28 | 11.54 | 4.9 | | 3.8 | 405 | 2.01 | 8.3 | 1.86 | |
| 24 | Tue | 4.0 | | 0.32 | | 1.9 | 0.00 | 7.74 | 123 | 142 | 14.26 | 7.45 | 87 | 90 | 14.58 | 7.56 | 18 | 23 | 7.95 | 5.4 | | 3.9 | | 1.33 | 9.0 | 1.26 | |
| 25 | Wed | 6.1 | | 1.63 | | 7.1 | 0.00 | 7.90 | 54 | 114 | 9.24 | 7.72 | 48 | 74 | 7.81 | 7.74 | 13 | 28 | 4.80 | 6.2 | | 3.9 | | 0.67 | 9.8 | 0.61 | 60 |
| 26 | Thu | 6.3 | | 0.05 | | 1.5 | 0.00 | 7.58 | 80 | 94 | 8.22 | 7.39 | 43 | 56 | 8.83 | 7.16 | 25 | 25 | 3.68 | 5.3 | | 4.1 | | 0.49 | 8.9 | 0.41 | |
| 27 | Fri | 5.1 | | 0.04 | | | 0.00 | 7.59 | 80 | 70 | 13.04 | 7.43 | 72 | 82 | 14.78 | 7.26 | 13 | 31 | 6.11 | 5.0 | | 4.1 | | 0.77 | 8.4 | 0.64 | |
| 28 | Sat | 7.1 | 4.8 | 1.63 | | 4.9 | 0.00 | 7.53 | 48 | 80 | 5.99 | 7.32 | 46 | 66 | 8.02 | 7.21 | 11 | 29 | 4.06 | 5.8 | | 4.0 | | 0.38 | 10.4 | 0.46 | |
| 29 | Sun | 7.0 | | 0.87 | | 4.3 | 0.46 | 7.44 | 68 | 56 | 8.59 | 7.31 | 56 | 50 | 9.53 | 7.20 | 12 | 16 | 4.06 | 5.7 | | 4.0 | | 0.40 | 9.4 | 0.35 | |
| 30 | Mon | 5.5 | | | | | 0.00 | 7.82 | 98 | 69 | 12.27 | 7.45 | 67 | 66 | 10.24 | 7.16 | 14 | 28 | 4.49 | 4.9 | | 4.0 | | 0.63 | 8.3 | 0.52 | |
| 31 | Tue | 5.3 | | | | | 0.00 | 8.25 | 98 | 72 | 11.50 | 7.57 | 62 | 52 | 10.41 | 7.19 | 14 | 25 | 4.45 | 4.9 | | 4.0 | | 0.69 | 8.3 | 0.57 | |
| AVERAGE | | 4.1 | | 0.30 | | 1.2 | 0.01 | 7.73 | 127 | 102 | 21.73 | 7.51 | 84 | 65 | 20.47 | 7.34 | 15 | 23 | 8.06 | 5.1 | | 4.0 | 13 | 1.65 | 8.6 | 1.48 | 4 |
| MAXIMUM | | 7.6 | 4.8 | 1.84 | | 8.4 | 0.46 | 8.25 | 230 | 234 | 49.44 | 7.72 | 134 | 98 | 50.34 | 7.74 | 25 | 33 | 16.35 | 6.2 | | 4.2 | 405 | 3.45 | 10.4 | 3.24 | 60 |
| MINIMUM | | 2.0 | | 0.04 | | 0.0 | 0.00 | 7.44 | 43 | 36 | 5.63 | 7.31 | 43 | 44 | 6.78 | 7.16 | 10 | 8 | 3.68 | 4.8 | | 3.8 | 405 | 0.36 | 4.7 | 0.35 | 60 |
| # OF DATA | | 31 | | 15 | | 31 | 31 | 31 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 1 | | 31 | | | 2 |
| TOTAL | | 128 | | 9.40 | | 37 | 0 | 240 | 3809 | 3169 | 674 | 233 | 2601 | 2020 | 635 | 228 | 452 | 706 | 250 | 159 | | 123 | 405 | | 266 | | 120 |

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Aug-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 | Sun | 1.7 | 7.50 | 4 | | 63 | | 4 | | 70 | | 0.40 | | 7 | | 7.9 | | 2.39 | 50 | < 0.006 |
| 2 | Mon | 2.0 | 7.64 | 9 | | 168 | | 17 | | 332 | | 3.57 | | 70 | | 7.9 | | 2.31 | 17 | < 0.006 |
| 3 | Tue | 1.8 | 7.70 | 4 | | 65 | | 6 | | 111 | | 0.32 | | 6 | | 7.9 | | 2.41 | 7 | < 0.006 |
| 4 | Wed | 7.0 | 7.56 | 5 | | 303 | | 11 | | 694 | | 0.38 | | 24 | | 8.2 | | 1.81 | 21 | < 0.006 |
| 5 | Thu | 4.9 | 7.35 | 3 | | 140 | | 5 | | 236 | | 0.24 | | 11 | | 8.2 | | 2.20 | 21 | < 0.006 |
| 6 | Fri | 4.2 | 7.47 | 4 | | 166 | | 9 | | 356 | | 0.37 | | 15 | | 8.1 | | 1.91 | 15 | < 0.006 |
| 7 | Sat | 2.5 | 7.45 | 4 | 5 | 100 | 143 | 11 | 9 | 262 | 294 | 0.21 | 0.78 | 5 | 20 | 8.2 | | 1.83 | 13 | < 0.006 |
| 8 | Sun | 1.6 | 7.45 | 3 | | 46 | | 2 | | 33 | | <0.20 | | 2 | | 8.0 | | 1.48 | 7 | < 0.006 |
| 9 | Mon | 2.1 | 7.66 | 4 | | 74 | | 10 | | 194 | | <0.20 | | 2 | | 7.8 | | 1.60 | 11 | < 0.006 |
| 10 | Tue | 1.9 | 7.52 | 3 | | 58 | | 5 | | 81 | | <0.20 | | 2 | | 8.0 | | 1.85 | 11 | < 0.006 |
| 11 | Wed | 0.9 | 7.59 | 3 | | 63 | | 6 | | 108 | | 0.46 | | 9 | | 8.6 | | 2.08 | 23 | < 0.006 |
| 12 | Thu | 3.1 | 7.76 | 5 | | 137 | | 10 | | 306 | | 1.21 | | 37 | | 8.3 | | 1.77 | 7 | < 0.006 |
| 13 | Fri | 3.2 | 7.41 | 6 | | 196 | | 14 | | 436 | | 0.91 | | 28 | | 8.4 | | 2.11 | 14 | < 0.006 |
| 14 | Sat | 1.7 | 7.41 | 3 | 4 | 46 | 89 | 5 | 7 | 80 | 177 | 0.22 | 0.44 | 4 | 12 | 8.3 | | 2.35 | 5 | < 0.006 |
| 15 | Sun | 1.8 | 7.52 | 3 | | 46 | | 7 | | 119 | | 0.25 | | 5 | | 8.3 | | 2.55 | 1 | < 0.006 |
| 16 | Mon | 1.8 | 7.53 | < 2 | | 18 | | 10 | | 182 | | 0.35 | | 6 | | 8.2 | | 2.25 | 5 | < 0.006 |
| 17 | Tue | 3.9 | 7.55 | 6 | | 213 | | 19 | | 690 | | 1.13 | | 42 | | 7.9 | | 2.20 | 2 | < 0.006 |
| 18 | Wed | 5.6 | 7.22 | 5 | | 227 | | 15 | | 716 | | 0.37 | | 18 | | 7.8 | | 2.01 | 22 | < 0.006 |
| 19 | Thu | 5.9 | 7.20 | 5 | | 253 | | 13 | | 685 | | 1.03 | | 54 | | 7.9 | | 1.93 | 39 | < 0.006 |
| 20 | Fri | 5.4 | 7.22 | 6 | | 271 | | 16 | | 763 | | 0.97 | | 48 | | 8.1 | | 2.60 | 35 | < 0.006 |
| 21 | Sat | 3.6 | 7.25 | 5 | 4 | 168 | 171 | 10 | 13 | 335 | 499 | 0.39 | 0.64 | 13 | 27 | 8.4 | | 1.85 | 15 | < 0.006 |
| 22 | Sun | 1.7 | 7.38 | 4 | | 61 | | 9 | | 154 | | <0.20 | | 2 | | 8.0 | | 2.14 | 1 | < 0.006 |
| 23 | Mon | 2.5 | 7.77 | 4 | | 100 | | 16 | | 389 | | 0.37 | | 9 | | 7.9 | | 1.85 | 7 | < 0.006 |
| 24 | Tue | 3.7 | 7.66 | 6 | | 200 | | 12 | | 401 | | 0.49 | | 16 | | 7.7 | | 2.01 | 11 | < 0.006 |
| 25 | Wed | 5.6 | 7.81 | 5 | | 239 | | 19 | | 965 | | 0.88 | | 45 | | 7.7 | | 1.99 | 9 | < 0.006 |
| 26 | Thu | 6.1 | 7.57 | 5 | | 258 | | 13 | | 658 | | 0.25 | | 13 | | 7.8 | | 2.02 | 20 | < 0.006 |
| 27 | Fri | 4.9 | 7.23 | 4 | | 179 | | 17 | | 724 | | <0.20 | | 4 | | 7.6 | | 2.18 | 42 | < 0.006 |
| 28 | Sat | 6.5 | 7.27 | 5 | 5 | 308 | 192 | 34 | 17 | 2017 | 758 | 0.23 | 0.34 | 13 | 15 | 7.8 | | 2.37 | 244 | < 0.006 |
| 29 | Sun | 6.4 | 7.07 | 4 | | 232 | | 8 | | 464 | | 0.23 | | 13 | | 8.2 | | 3.31 | 17 | < 0.006 |
| 30 | Mon | 4.9 | 7.31 | 5 | | 211 | | 13 | | 595 | | 0.39 | | 18 | | 8.5 | | 2.52 | 26 | < 0.006 |
| 31 | Tue | 4.7 | 7.26 | 6 | | 261 | | 15 | | 663 | | 0.20 | | 9 | | 8.2 | | 2.79 | 42 | < 0.006 |
| AVERAGE | | 3.7 | 7.46 | 4 | | 157 | | 11 | | 446 | | 0.53 | | 18 | | 8.1 | | 2.15 | 13 | < 0.006 |
| MAXIMUM | | 7.0 | 7.81 | 9 | 5 | 308 | 192 | 34 | 17 | 2017 | 758 | 3.57 | 0.78 | 70 | 27 | 8.6 | | 3.31 | 244 | < 0.006 |
| MINIMUM | | 0.9 | 7.07 | <2 | | 18 | | 2 | | 33 | | <0.20 | | 2 | | 7.6 | | 1.48 | 1 | < 0.006 |
| # OF DATA | | 31 | 31 | 31 | | 31 | | 31 | | 31 | | 31 | | 31 | | 31 | | 31 | 31 | 31 |
| TOTAL | | 114 | 231 | 134 | | 4867 | | 356 | | 13817 | | 16 | | 549 | | 249.8 | | 66.67 | 760 | < 0.006 |

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Aug-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 | Sun | 115 | 46 | | | 20 | 0 | 325 | 6 | 4 | 158 | |
| 2 | Mon | 118 | 43 | | | 20 | 0 | 325 | 6 | 4 | 165 | |
| 3 | Tue | 120 | 60 | | | 20 | 0 | 323 | 6 | 4 | 157 | |
| 4 | Wed | 420 | 180 | | | 26 | 0 | 329 | 6 | 2 | 80 | |
| 5 | Thu | 252 | 172 | | | 20 | 0 | 336 | 6 | 4 | 180 | |
| 6 | Fri | 248 | 108 | | | 20 | 0 | 338 | 6 | 4 | 167 | |
| 7 | Sat | 152 | 77 | | | 19 | 0 | 337 | 6 | 4 | 162 | |
| 8 | Sun | 100 | 55 | | | 20 | 0 | 334 | 6 | 4 | 164 | |
| 9 | Mon | 168 | 129 | | | 19 | 0 | 330 | 6 | 4 | 161 | |
| 10 | Tue | 120 | 80 | 34 | 41 | 20 | 0 | 329 | 6 | 4 | 157 | |
| 11 | Wed | 80 | 40 | | | 20 | 0 | 326 | 6 | 4 | 158 | |
| 12 | Thu | 200 | 106 | | | 20 | 0 | 326 | 6 | 4 | 159 | |
| 13 | Fri | 210 | 89 | | | 23 | 0 | 328 | 6 | 3 | 124 | |
| 14 | Sat | 135 | 59 | | | 20 | 0 | 326 | 6 | 4 | 157 | |
| 15 | Sun | 125 | 59 | | | 20 | 0 | 327 | 6 | 4 | 162 | |
| 16 | Mon | 110 | 47 | | | 20 | 0 | 326 | 6 | 4 | 163 | |
| 17 | Tue | 230 | 140 | | | 22 | 0 | 325 | 6 | 3 | 112 | |
| 18 | Wed | 270 | 173 | 54 | 34 | 21 | 0 | 326 | 6 | 4 | 141 | |
| 19 | Thu | 300 | 174 | | | 23 | 0 | 330 | 6 | 3 | 122 | |
| 20 | Fri | 250 | 168 | | | 23 | 0 | 333 | 6 | 4 | 135 | |
| 21 | Sat | 171 | 111 | | | 20 | 0 | 335 | 6 | 4 | 157 | |
| 22 | Sun | 99 | 54 | | | 20 | 0 | 331 | 6 | 4 | 155 | |
| 23 | Mon | 145 | 80 | | | 20 | 0 | 328 | 6 | 4 | 156 | |
| 24 | Tue | 180 | 120 | | | 21 | 0 | 325 | 6 | 9 | 225 | |
| 25 | Wed | 280 | 160 | | | 25 | 16 | 323 | 6 | 3 | 114 | |
| 26 | Thu | 266 | 226 | | | 22 | 0 | 323 | 6 | 3 | 128 | |
| 27 | Fri | 259 | 146 | 54 | 34 | 20 | 0 | 328 | 6 | 4 | 162 | |
| 28 | Sat | 313 | 209 | | | 22 | 0 | 326 | 6 | 3 | 145 | |
| 29 | Sun | 322 | 228 | | | 23 | 0 | 327 | 6 | 4 | 129 | |
| 30 | Mon | 287 | 168 | | | 20 | 0 | 327 | 6 | 4 | 161 | |
| 31 | Tue | 300 | 160 | | | 19 | 0 | 324 | 6 | 4 | 155 | |
| AVERAGE | | 205 | 118 | 5 | 3 | 21 | 1 | 328 | 6 | 4 | 151 | |
| MAXIMUM | | 420 | 228 | 54 | 41 | 26 | 16 | 338 | 6 | 9 | 225 | |
| MINIMUM | | 80 | 40 | 34 | 34 | 19 | 0 | 323 | 6 | 2 | 80 | |
| # OF DATA | | 31 | 31 | 3 | 3 | 31 | 31 | 31 | 31 | 31 | 31 | |
| TOTAL | | 6345 | 3667 | 142 | 108 | 641 | 16 | 10175 | 186 | 130 | 4669 | |

| 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: Aug-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 | Sun | | | | | | | | 96 | | | | 96 | 16 | | | | 43 | | | 2.6 | 0 |
| 2 | Mon | | 2.23 | 73.1 | 6.03 | 1.86 | 53.5 | 6.99 | 96 | 3.51 | 57.4 | 7.11 | 96 | 27 | 4.74 | 54.5 | 7.32 | 4 | | | 0.7 | 37 |
| 3 | Tue | | | | | | | | 96 | | | | 96 | 7 | | | | 5 | | | 0.8 | |
| 4 | Wed | | | | | | | | 96 | | | | 96 | 26 | | | | 61 | | | 0.8 | |
| 5 | Thu | | | | | | | | 96 | | | | 96 | 16 | | | | 40 | | | 0.8 | |
| 6 | Fri | | | | | | | | 96 | | | | 96 | 10 | | | | 36 | | | 27.1 | |
| 7 | Sat | | | | | | | | 96 | | | | 96 | 20 | | | | 46 | | | 3.7 | |
| 8 | Sun | | | | | | | | 96 | | | | 96 | 17 | | | | 47 | | | 0.8 | |
| 9 | Mon | | 2.37 | 71.2 | 6.13 | 1.90 | 56.6 | 6.92 | 96 | 1.94 | 57.9 | 7.10 | 96 | 28 | 5.21 | 52.5 | 6.96 | 25 | | | 0.5 | 31 |
| 10 | Tue | | | | | | | | 96 | | | | 96 | 8 | | | | 20 | | | 0.5 | |
| 11 | Wed | | | | | | | | 96 | | | | 96 | 10 | | | | 18 | | | 0.5 | 0 |
| 12 | Thu | | | | | | | | 96 | | | | 96 | 11 | | | | 29 | | | 0.5 | |
| 13 | Fri | | | | | | | | 96 | | | | 96 | 22 | | | | 51 | 0.13 | | 13.0 | 0 |
| 14 | Sat | | | | | | | | 96 | | | | 96 | 12 | | | | 31 | | | 11.4 | |
| 15 | Sun | | | | | | | | 96 | | | | 96 | 19 | | | | 45 | | | 0.6 | |
| 16 | Mon | | 2.27 | 73.0 | 6.32 | 2.38 | 53.8 | 6.85 | 96 | 2.16 | 51.4 | 7.08 | 96 | 27 | 5.21 | 53.0 | 7.06 | 19 | | | 1.3 | 35 |
| 17 | Tue | | | | | | | | 96 | | | | 96 | 12 | | | | 17 | | | 1.0 | 0 |
| 18 | Wed | | | | | | | | 96 | | | | 96 | 7 | | | | 22 | | | 1.0 | |
| 19 | Thu | | | | | | | | 96 | | | | 96 | 22 | | | | 55 | | | 0.7 | 0 |
| 20 | Fri | | | | | | | | 96 | | | | 96 | 17 | | | | 45 | | | 9.7 | |
| 21 | Sat | | | | | | | | 96 | | | | 96 | 21 | | | | 51 | | | 0.5 | |
| 22 | Sun | | | | | | | | 96 | | | | 96 | 17 | | | | 52 | | | 0.6 | 0 |
| 23 | Mon | | 2.21 | 70.7 | 6.31 | 2.17 | 50.9 | 7.11 | 96 | 2.08 | 54.7 | 7.13 | 96 | 32 | 5.46 | 54.6 | 6.92 | 27 | | | 0.6 | 37 |
| 24 | Tue | | | | | | | | 96 | | | | 96 | 8 | | | | 24 | | | 0.6 | 0 |
| 25 | Wed | | | | | | | | 96 | | | | 96 | 32 | | | | 63 | | | 0.7 | 0 |
| 26 | Thu | | | | | | | | 96 | | | | 96 | 22 | | | | 52 | | | 0.6 | 0 |
| 27 | Fri | | | | | | | | 96 | | | | 96 | 16 | | | | 45 | | | 7.8 | 0 |
| 28 | Sat | | | | | | | | 96 | | | | 96 | 20 | | | | 55 | 0.16 | | 0.4 | 0 |
| 29 | Sun | | | | | | | | 96 | | | | 96 | 20 | | | | 51 | | | 0.4 | 0 |
| 30 | Mon | | 2.54 | 65.6 | 6.48 | 1.64 | | 6.79 | 96 | 3.94 | 58.2 | 7.01 | 96 | 21 | 5.21 | 53.6 | 7.08 | 4 | | | 0.4 | 28 |
| 31 | Tue | | | | | | | | 96 | | | | 96 | 12 | | | | 15 | | | 0.4 | 0 |
| AVERAGE | | | 2.32 | 70.7 | 6.26 | 1.99 | 53.7 | 6.93 | 96 | 2.73 | 55.9 | 7.09 | 96 | 18 | 5.17 | 53.6 | 7.07 | 35 | 0.15 | | 2.9 | 5 |
| MAXIMUM | | | 2.54 | 73.1 | 6.48 | 2.38 | 56.6 | 7.11 | 96 | 3.94 | 58.2 | 7.13 | 96 | 32 | 5.46 | 54.6 | 7.32 | 63 | 0.16 | | 27.1 | 37 |
| MINIMUM | | | 2.21 | 65.6 | 6.03 | 1.64 | 50.9 | 6.79 | 96 | 1.94 | 51.4 | 7.01 | 96 | 7 | 4.74 | 52.5 | 6.92 | 4 | 0.13 | | 0.4 | |
| # OF DATA | | | 5 | 5 | 5 | 5 | 4 | 5 | 31 | 5 | 5 | 5 | 31 | 31 | 5 | 5 | 5 | 31 | 2 | | 31 | 31 |
| TOTAL | | | 12 | 354 | 31 | 10 | 215 | 35 | 2971 | 14 | 280 | 35 | 2983 | 555 | 26 | 268 | 35 | 1095 | 0 | | 91 | 167 |

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Aug-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

NPDES LIMITS AND ANALYSIS

Metals and Cyanide Analysis

| INFLUENT | | | | | | | | | | EFFLUENT | | | | | | | |
|---------------------------------------|------------------|-----------|-----------|-----------|-----------|----|-----------|-----------|-----------|---------------------|-----------|-----------|-----------|---|-----------|-----------|-----------|
| Method: 24 hour composite | | | | | | | | | | Site: Post Cl2 Tank | | | | | | | |
| Site: Post Rake Room | | | | | | | | | | 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 : | August 4th | | | 0.049 | | | | | | | | 0.018 | | | | | <0.005 |
| 2nd Date : | August 11th | 0.0004 | <0.001 | 0.086 | 0.009 | | 0.066 | 0.092 | <0.005 | <0.0002 | <0.001 | 0.022 | 0.003 | | 0.058 | 0.034 | <0.005 |
| 3rd Date : | August 18th | | | 0.040 | | | | | | | | 0.025 | | | | | <0.005 |
| 4th Date : | August 25th | 0.0005 | <0.005 | 0.043 | 0.016 | | <0.002 | 0.057 | <0.005 | <0.0002 | <0.005 | 0.014 | <0.001 | | 0.004 | <0.010 | <0.005 |
| 5th Date : | | | | | | | | | | | | | | | | | |
| Number of times Limit Value exceeded: | | NA | NA | NA | NA | NA | NA | NA | NA | 0 | 0 | *See Note | 0 | 0 | 0 | 0 | 0 |
| Average | | 0.0005 | <0.002 | 0.055 | 0.013 | | 0.034 | 0.075 | <0.003 | <0.0001 | <0.002 | 0.020 | 0.002 | | 0.031 | 0.020 | <0.003 |
| Maximum | | 0.0005 | <0.005 | 0.086 | 0.016 | | 0.066 | 0.092 | <0.005 | <0.0002 | <0.005 | 0.025 | 0.003 | | 0.058 | 0.034 | <0.005 |

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

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 | 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 | 1 | 0 |
| Max | 4.8 | 4.1 | 5 | 4 | 192 | 157 | 17 | 11 | 758 | 446 | 0.78 | 0.53 | 27 | 18 | 7.6 | 7.81 | < 0.006 | 244 | 13 |
| Total | | | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | 0 | 0 | 0 | | 1 |

*Dissolved Oxygen value is minimum daily average

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

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

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

Total lbs Volatile Solids to Digester 2,833

Overall Percent Removal of Volatile Solids 52.1%

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 25,747

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 486

Fixed Bed Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 91

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 1,115

Rotary Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 27

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

Monthly Removal Summary

| Percent Removal | CBOD | TSS | AMMONIA |
|----------------------------|------|-----|---------|
| Primary Treatment | 34% | 36% | 6% |
| Secondary Treatment | 83% | 65% | 61% |
| Tertiary Treatment | 70% | 50% | 93% |
| Overall Treatment | 97% | 89% | 98% |

| Detention Time (Hours) | Maximum | Minimum | Average |
|-----------------------------------|---------|---------|---------|
| Primary Settling Tank | 6.2 | 1.6 | 3.0 |
| Secondary Settling Tank | 4.6 | 1.2 | 2.2 |
| Final Settling Tank | 14.3 | 3.7 | 6.8 |
| Total Plant Retention Time | 25.1 | 6.5 | 11.9 |

| Surface Flow Rate | | | |
|--------------------------------|---------|---------|---------|
| Gallons per sq ft per Day | Maximum | Minimum | Average |
| Primary Settling Tank | 946 | 245 | 517 |
| Secondary Settling Tank | 1248 | 323 | 682 |
| Final Settling Tank | 636 | 165 | 348 |

| Weir OverFlow Rate | | | |
|--------------------------------|---------|---------|---------|
| 1000 Gal per ft per Day | Maximum | Minimum | Average |
| Primary Settling Tank | 18 | 5 | 10 |
| Secondary Settling Tank | 15 | 4 | 8 |
| Final Settling Tank | 15 | 4 | 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:

Aug 19, 2004 - Generator fails to take load on test. Further testing fails to replicate problem.

Aug 24, 2004 - South tertiary clarifier out of service for 8 hours for cleaning

Aug 28, 2004 - Power outage from 1:10 am to 1:40 am during storm. The WWTP operated on emergency power during the outage.

Aug 28, 2004 - E. Coli. exceedance, see attached letter.

Aug 31, 2004 - Successful load test of emergency power generator

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: _____

