

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

Date: Feb-05
 LaPorte Wastewater Treatment Plant
 2101 Boyd Boulevard
 LaPorte IN, 46350
 Phone # (219)362-2354

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Permit # IN0025577
 Expires 10-31-2009
 Certified Operator : Jerry P Jackson
 Certification Number : 11496

| | | | | | Raw Sewage | | | | Primary Effluent | | | | Secondary Effluent | | | | Rotary Filter | | Fixed-Bed Filter | | Trickling Filters | | Biotowers | | | | |
|------------------|-----------------|------------------------|---------------------------------|------------------|--|--------------------------------------|--------------------------------|------|------------------|-------------|-------------|------|--------------------|-------------|-------------|------|---------------|-------------|------------------|----------------|---------------------|----------------|---------------------|-------------------------|----------------|------------------------|---------------------|
| Day of the Month | Day of the Week | Total Flow in MGal/Day | Weekly Average Flow in MGal/Day | Precip in inches | Collection System Overflow 'X' if occurred | Diversion to CSO Basin At site hours | CSO Basin Overflow in MGal/Day | pH | CBOD in mg/L | TSS in mg/L | NH3 in mg/L | pH | CBOD in mg/L | TSS in mg/L | NH3 in mg/L | pH | CBOD in mg/L | TSS in mg/L | NH3 in mg/L | Flow in MG/Day | Cleaning in Minutes | Flow in MG/Day | Cleaning in Minutes | Secondary Recirc. Ratio | Flow in MG/Day | Tertiary Recirc. Ratio | Cleaning in Minutes |
| 1 | Tue | 3.0 | | | | | 0.00 | 7.68 | 165 | 112 | 26.27 | 7.42 | 99 | 58 | 21.40 | 7.40 | 18 | 22 | 14.45 | 4.6 | | 2.2 | | 1.32 | 8.3 | 1.80 | |
| 2 | Wed | 2.6 | | | | | 0.00 | 7.61 | 165 | 144 | 28.39 | 7.43 | 104 | 66 | 25.80 | 7.36 | 18 | 17 | 20.21 | 4.6 | 40 | 2.2 | | 1.62 | 8.3 | 2.20 | 60 |
| 3 | Thu | 3.7 | | | | | 0.00 | 7.49 | 109 | 130 | 18.44 | 7.42 | 78 | 62 | 21.32 | 7.36 | 16 | 18 | 16.69 | 4.7 | | 2.2 | | 0.87 | 8.3 | 1.26 | |
| 4 | Fri | 3.9 | | | | | 0.00 | 7.48 | 180 | 366 | 20.50 | 7.40 | 86 | 66 | 21.61 | 7.36 | 20 | 23 | 15.81 | 4.6 | | 1.9 | | 0.65 | 8.0 | 1.04 | |
| 5 | Sat | 3.3 | 3.5 | | | | 0.00 | 7.65 | 155 | 118 | 23.31 | 7.39 | 99 | 70 | 23.14 | 7.37 | 19 | 17 | 18.16 | 4.6 | | 1.7 | | 0.90 | 8.0 | 1.39 | |
| 6 | Sun | 4.2 | | | | | 0.00 | 7.49 | 115 | 64 | 16.30 | 7.39 | 82 | 42 | 19.42 | 7.36 | 22 | 42 | 16.77 | 4.6 | | 1.8 | | 0.50 | 8.0 | 0.89 | |
| 7 | Mon | 5.8 | | 0.45 | | 1.2 | 0.00 | 7.54 | 103 | 240 | 13.80 | 7.49 | 73 | 102 | 13.02 | 7.37 | 26 | 33 | 11.52 | 5.0 | | 2.4 | | 0.27 | 8.6 | 0.48 | |
| 8 | Tue | 4.9 | | 0.08 | | | 0.00 | 7.56 | 77 | 74 | 13.06 | 7.51 | 52 | 54 | 11.82 | 7.49 | 30 | 26 | 10.35 | 4.7 | | 2.2 | | 0.43 | 8.3 | 0.71 | |
| 9 | Wed | 4.1 | | 0.07 | | | 0.00 | 7.65 | 102 | 79 | 18.40 | 7.48 | 72 | 52 | 18.40 | 7.45 | 16 | 14 | 14.97 | 4.7 | | 2.2 | | 0.69 | 8.3 | 1.03 | |
| 10 | Thu | 3.5 | | 0.11 | | | 0.00 | 7.61 | 107 | 130 | 21.09 | 7.48 | 79 | 68 | 20.18 | 7.52 | 16 | 20 | 14.64 | 4.7 | | 2.2 | | 0.96 | 8.3 | 1.36 | |
| 11 | Fri | 2.7 | | 0.03 | | | 0.00 | 7.77 | 155 | 110 | 25.76 | 7.49 | 92 | 62 | 24.94 | 7.42 | 15 | 20 | 17.98 | 4.7 | | 1.9 | | 1.43 | 8.0 | 1.95 | |
| 12 | Sat | 2.8 | 4.0 | | | | 0.00 | 7.57 | 150 | 90 | 26.93 | 7.41 | 118 | 58 | 28.50 | 7.39 | 21 | 15 | 20.80 | 4.7 | | 1.8 | | 1.32 | 8.0 | 1.87 | |
| 13 | Sun | 6.5 | | 0.78 | | 9.5 | 0.00 | 7.55 | 108 | 290 | 9.68 | 7.39 | 70 | 152 | 15.03 | 7.41 | 27 | 48 | 14.83 | 5.9 | | 2.7 | | 0.34 | 9.6 | 0.48 | |
| 14 | Mon | 8.1 | | 0.39 | | 6.7 | 0.00 | 7.62 | 45 | 66 | 6.48 | 7.52 | 30 | 64 | 7.38 | 7.43 | 16 | 28 | 6.41 | 6.5 | | 3.7 | | 0.26 | 11.1 | 0.36 | |
| 15 | Tue | 6.9 | | 0.47 | | 2.7 | 0.00 | 7.47 | 53 | 136 | 8.58 | 7.38 | 52 | 87 | 9.94 | 7.30 | 18 | 36 | 7.74 | 5.6 | | 3.1 | | 0.28 | 9.9 | 0.44 | |
| 16 | Wed | 5.8 | | | | 0.3 | 0.00 | 7.57 | 59 | 54 | 10.18 | 7.47 | 51 | 52 | 13.61 | 7.47 | 19 | 23 | 11.40 | 4.4 | | 2.6 | | 0.21 | 8.3 | 0.44 | |
| 17 | Thu | 5.6 | | 0.04 | | | 0.00 | 7.60 | 58 | 72 | 11.70 | 7.60 | 47 | 52 | 14.06 | 7.62 | 19 | 26 | 11.59 | 4.7 | | 2.3 | | 0.25 | 8.3 | 0.48 | 60 |
| 18 | Fri | 5.4 | | 0.01 | | | 0.00 | 7.55 | 85 | 82 | 12.54 | 7.45 | 62 | 60 | 16.30 | 7.44 | 21 | 26 | 13.35 | 4.7 | | 2.0 | | 0.24 | 8.0 | 0.47 | |
| 19 | Sat | 3.0 | 5.9 | | | | 0.00 | 7.69 | 145 | 96 | 22.32 | 7.49 | 90 | 70 | 22.11 | 7.42 | 15 | 17 | 14.31 | 4.8 | | 1.8 | | 1.18 | 7.9 | 1.64 | |
| 20 | Sun | 5.1 | | 0.31 | | 4.1 | 0.00 | 7.66 | 125 | 186 | 17.42 | 7.47 | 90 | 92 | 19.38 | 7.44 | 24 | 30 | 16.38 | 5.6 | | 2.6 | | 0.61 | 9.3 | 0.83 | |
| 21 | Mon | 4.3 | | | | | 0.00 | 7.71 | 87 | 88 | 13.99 | 7.52 | 71 | 56 | 13.28 | 7.31 | 21 | 26 | 11.04 | 4.7 | | 2.3 | 195 | 0.61 | 8.1 | 0.86 | |
| 22 | Tue | 4.3 | | 0.03 | | | 0.00 | 7.49 | 60 | 70 | 16.65 | 7.42 | 64 | 48 | 15.02 | 7.40 | 15 | 20 | 11.84 | 4.7 | | 2.3 | | 0.63 | 8.3 | 0.92 | |
| 23 | Wed | 4.1 | | | | | 0.00 | 7.51 | 105 | 114 | 16.69 | 7.42 | 75 | 66 | 15.72 | 7.38 | 15 | 23 | 10.14 | 4.7 | | 2.3 | | 0.69 | 8.3 | 1.00 | 60 |
| 24 | Thu | 4.2 | | | | | 0.00 | 7.57 | 100 | 104 | 18.05 | 7.42 | 71 | 64 | 20.12 | 7.34 | 14 | 23 | 14.48 | 4.7 | | 2.3 | | 0.67 | 8.3 | 0.98 | |
| 25 | Fri | 4.2 | | | | | 0.00 | 7.55 | 90 | 666 | 17.27 | 7.44 | 68 | 56 | 19.50 | 7.39 | 17 | 17 | 14.56 | 4.7 | | 1.9 | | 0.60 | 7.9 | 0.89 | |
| 26 | Sat | 3.9 | 4.3 | | | | 0.00 | 7.58 | 93 | 62 | 16.04 | 7.49 | 67 | 48 | 17.31 | 7.43 | 15 | 17 | 12.77 | 4.8 | | 1.8 | | 0.68 | 7.9 | 1.03 | |
| 27 | Sun | 2.8 | | | | | 0.00 | 7.58 | 145 | 98 | 24.34 | 7.44 | 103 | 52 | 22.73 | 7.39 | 13 | 16 | 14.88 | 4.8 | | 1.8 | | 1.33 | 7.9 | 1.83 | |
| 28 | Mon | 5.0 | | 0.54 | | | 0.00 | 7.50 | 150 | 258 | 16.79 | 7.40 | 89 | 98 | 16.37 | 7.37 | 25 | 35 | 13.62 | 5.1 | | 2.6 | | 0.54 | 8.6 | 0.74 | |
| AVERAGE | | 4.4 | | 0.12 | | 0.9 | 0.00 | 7.58 | 110 | 146 | 17.53 | 7.45 | 76 | 67 | 18.12 | 7.41 | 19 | 24 | 13.99 | 4.9 | 1 | 2.2 | 7 | 0.72 | 8.4 | 1.05 | 6 |
| MAXIMUM | | 8.1 | 5.9 | 0.78 | | 9.5 | 0.00 | 7.77 | 180 | 666 | 28.39 | 7.60 | 118 | 152 | 28.50 | 7.62 | 30 | 48 | 20.80 | 6.5 | 40 | 3.7 | 195 | 1.62 | 11.1 | 2.20 | 60 |
| MINIMUM | | 2.6 | | 0.01 | | 0.0 | 0.00 | 7.47 | 45 | 54 | 6.48 | 7.38 | 30 | 42 | 7.38 | 7.30 | 13 | 14 | 6.41 | 4.4 | 40 | 1.7 | 195 | 0.21 | 7.9 | 0.36 | 60 |
| # OF DATA | | 28 | | 13 | | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 1 | 28 | 1 | | 28 | | 3 |
| TOTAL | | 124 | | 3.31 | | 24 | 0 | 212 | 3091 | 4099 | 491 | 209 | 2134 | 1877 | 507 | 207 | 529 | 677 | 392 | 137 | 40 | 63 | 195 | | 236 | | 180 |

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Trickling Filter Wastewater Treatment Plant

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Date: Feb-05 LaPorte Wastewater Treatment Plant
 2101 Boyd Boulevard
 LaPorte IN, 46350
 Phone # (219)362-2354

Permit # IN0025577
 Expires 10-31-2009
 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 | 2.3 | 7.60 | 4 | | 91 | | 6 | | 142 | | 0.55 | | 14 | | 10.4 | | | | |
| 2 | Wed | 2.1 | 7.60 | 4 | | 78 | | 4 | | 76 | | 0.54 | | 12 | | 10.4 | | | | |
| 3 | Thu | 3.2 | 7.49 | 3 | | 104 | | 5 | | 161 | | 0.63 | | 19 | | 10.4 | | | | |
| 4 | Fri | 3.4 | 7.48 | 4 | | 127 | | 6 | | 196 | | 0.48 | | 16 | | 10.4 | | | | |
| 5 | Sat | 2.8 | 7.51 | 4 | 4 | 97 | 114 | 4 | 5 | 97 | 136 | 0.94 | 0.66 | 26 | 20 | 10.4 | | | | |
| 6 | Sun | 3.7 | 7.50 | 5 | | 176 | | 3 | | 97 | | 0.68 | | 24 | | 10.1 | | | | |
| 7 | Mon | 5.2 | 7.59 | 6 | | 312 | | 11 | | 536 | | 0.61 | | 30 | | 10.2 | | | | |
| 8 | Tue | 4.2 | 7.53 | 6 | | 240 | | 4 | | 162 | | 0.54 | | 22 | | 10.3 | | | | |
| 9 | Wed | 3.5 | 7.57 | 4 | | 126 | | 3 | | 85 | | 0.58 | | 20 | | 10.0 | | | | |
| 10 | Thu | 3.1 | 7.63 | 3 | | 88 | | 4 | | 103 | | 0.53 | | 15 | | 9.8 | | | | |
| 11 | Fri | 2.3 | 7.53 | 3 | | 72 | | 5 | | 102 | | 0.56 | | 13 | | 10.6 | | | | |
| 12 | Sat | 2.3 | 7.54 | 5 | 5 | 111 | 161 | 4 | 5 | 81 | 167 | 1.77 | 0.75 | 41 | 23 | 10.1 | | | | |
| 13 | Sun | 5.5 | 7.60 | 7 | | 393 | | 14 | | 726 | | 1.31 | | 70 | | 10.3 | | | | |
| 14 | Mon | 7.3 | 7.26 | 7 | | 454 | | 10 | | 677 | | 0.66 | | 45 | | 11.1 | | | | |
| 15 | Tue | 6.1 | 7.31 | 5 | | 292 | | 6 | | 344 | | 0.56 | | 32 | | 10.6 | | | | |
| 16 | Wed | 5.1 | 7.34 | 5 | | 245 | | 7 | | 325 | | 0.64 | | 31 | | 11.0 | | | | |
| 17 | Thu | 5.3 | 7.62 | 5 | | 238 | | 7 | | 315 | | 0.69 | | 32 | | 10.8 | | | | |
| 18 | Fri | 5.0 | 7.53 | 5 | | 245 | | 6 | | 250 | | 0.75 | | 34 | | 10.9 | | | | |
| 19 | Sat | 2.6 | 7.61 | 4 | 6 | 108 | 282 | 6 | 8 | 150 | 398 | 0.84 | 0.78 | 21 | 38 | 11.1 | | | | |
| 20 | Sun | 4.3 | 7.67 | 6 | | 263 | | 8 | | 329 | | 1.18 | | 50 | | 9.5 | | | | |
| 21 | Mon | 3.7 | 7.33 | 5 | | 181 | | 8 | | 271 | | 0.71 | | 26 | | 9.8 | | | | |
| 22 | Tue | 3.7 | 7.50 | 4 | | 144 | | 5 | | 180 | | 0.65 | | 23 | | 10.6 | | | | |
| 23 | Wed | 3.6 | 7.54 | 5 | | 179 | | 9 | | 293 | | 1.84 | | 64 | | 10.6 | | | | |
| 24 | Thu | 3.6 | 7.52 | 4 | | 129 | | 5 | | 183 | | 0.95 | | 33 | | 10.5 | | | | |
| 25 | Fri | 3.6 | 7.47 | 4 | | 146 | | 4 | | 140 | | 0.72 | | 25 | | 10.4 | | | | |
| 26 | Sat | 3.3 | 7.59 | 3 | 5 | 107 | 164 | 4 | 6 | 114 | 216 | 0.43 | 0.92 | 14 | 34 | 10.5 | | | | |
| 27 | Sun | 2.4 | 7.52 | 3 | | 61 | | 5 | | 123 | | 0.38 | | 9 | | 10.6 | | | | |
| 28 | Mon | 4.3 | 7.50 | 5 | | 207 | | 9 | | 372 | | 0.80 | | 33 | | 10.1 | | | | |
| AVERAGE | | 3.8 | 7.52 | 5 | | 179 | | 6 | | 237 | | 0.77 | | 28 | | 10.4 | | | | |
| MAXIMUM | | 7.3 | 7.67 | 7 | 6 | 454 | 282 | 14 | 8 | 726 | 398 | 1.84 | 0.92 | 70 | 38 | 11.1 | | | | |
| MINIMUM | | 2.1 | 7.26 | 3 | | 61 | | 3 | | 76 | | 0.38 | | 9 | | 9.5 | | | | |
| # OF DATA | | 28 | 28 | 28 | | 28 | | 28 | | 28 | | 28 | | 28 | | 28 | | | | |
| TOTAL | | 108 | 210 | 128 | | 5015 | | 166 | | 6629 | | 21 | | 792 | | 291.5 | | | | |

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Trickling Filter Wastewater Treatment Plant

Date: Feb-05

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

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Permit # IN0025577

Expires 10-31-2009

Certified Operator : Jerry P Jackson

Certification Number : 11496

Solids Removal

| | | Chemicals Used for disinfection | | | Primary & Secondary Settling | | | | | Final Settling | | |
|------------------------|-----------------------|------------------------------------|------------------------------------|-----------------------------------|--|--|---|---|--|-------------------------------------|---|------|
| Day of the Month | Day of the Week | Chlorine in lbs/Day | Sulfur Dioxide in lbs/Day | Grit in cubic ft per day | Screening in cubic ft per day | Pri. Sludge to Primary # 1 Digester (gal x 1000) | Scum to Primary # 2 Digester (gal x 1000) | Secondary Sludge to Pri. Clarifier (gal x 1000) | Cleaning Mechanism run in hours | Sludge Drawn Hours per day | Sludge to Headworks (gal x 1000) | |
| 1 | Tue | | | | 27 | 20 | 0 | 298 | 6 | 4 | 178 | |
| 2 | Wed | | | | | 20 | 0 | 295 | 6 | 4 | 177 | |
| 3 | Thu | | | | | 20 | 0 | 294 | 6 | 4 | 178 | |
| 4 | Fri | | | | | 19 | 0 | 301 | 6 | 4 | 178 | |
| 5 | Sat | | | | | 20 | 0 | 315 | 6 | 4 | 178 | |
| 6 | Sun | | | | | 20 | 0 | 318 | 6 | 4 | 179 | |
| 7 | Mon | | | 20 | 27 | 28 | 0 | 314 | 6 | 4 | 179 | |
| 8 | Tue | | | | | 21 | 0 | 311 | 6 | 4 | 179 | |
| 9 | Wed | | | | | 20 | 0 | 304 | 6 | 4 | 178 | |
| 10 | Thu | | | | | 20 | 0 | 299 | 6 | 4 | 179 | |
| 11 | Fri | | | | | 20 | 0 | 296 | 6 | 4 | 180 | |
| 12 | Sat | | | | | 20 | 0 | 296 | 6 | 4 | 183 | |
| 13 | Sun | | | | | 29 | 0 | 305 | 6 | 3 | 137 | |
| 14 | Mon | | | | | 34 | 5 | 310 | 6 | 1 | 67 | |
| 15 | Tue | | | 14 | 27 | 24 | 0 | 309 | 6 | 3 | 142 | |
| 16 | Wed | | | | | 19 | 0 | 301 | 5 | 4 | 184 | |
| 17 | Thu | | | | | 20 | 0 | 303 | 6 | 4 | 186 | |
| 18 | Fri | | | | | 20 | 0 | 296 | 6 | 4 | 176 | |
| 19 | Sat | | | | | 20 | 0 | 295 | 6 | 4 | 186 | |
| 20 | Sun | | | | | 24 | 0 | 293 | 6 | 3 | 157 | |
| 21 | Mon | | | | | 20 | 0 | 296 | 6 | 4 | 177 | |
| 22 | Tue | | | | | 20 | 0 | 297 | 6 | 4 | 188 | |
| 23 | Wed | | | | | 20 | 0 | 297 | 6 | 4 | 188 | |
| 24 | Thu | | | | | 20 | 0 | 301 | 6 | 4 | 188 | |
| 25 | Fri | | | | | 20 | 3 | 305 | 6 | 4 | 189 | |
| 26 | Sat | | | 1 | | 20 | 0 | 303 | 6 | 4 | 189 | |
| 27 | Sun | | | | | 20 | 0 | 301 | 6 | 4 | 189 | |
| 28 | Mon | | | | | 24 | 0 | 301 | 6 | 3 | 149 | |
| AVERAGE | | | | | 1 | 3 | 21 | 0 | 302 | 6 | 4 | 173 |
| MAXIMUM | | | | | 20 | 27 | 34 | 5 | 318 | 6 | 4 | 189 |
| MINIMUM | | | | | 1 | 27 | 19 | 0 | 293 | 5 | 1 | 67 |
| # OF DATA | | | | | 3 | 3 | 28 | 28 | 28 | 28 | 28 | 28 |
| TOTAL | | | | | 34 | 81 | 595 | 9 | 8454 | 167 | 115 | 4836 |

| Secondary Digester | | Date: |
|-----------------------------|----------|----------|
| Sample Taken by Grab Method | | |
| 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

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Date: Feb-05
 LaPorte Wastewater Treatment Plant
 2101 Boyd Boulevard, La Porte IN 46350
 Phone # (219)362-2354

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 Permit # IN0025577
 Expires 10-31-2009
 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 | | | | 95 | 4 | | | | 0 | | | 1.4 | |
| 2 | Wed | | | | | | | | 96 | | | | 95 | 16 | | | | 45 | | | 1.4 | |
| 3 | Thu | | | | | | | | 96 | | | | 95 | 15 | | | | 42 | | | 1.3 | |
| 4 | Fri | | | | | | | | 96 | | | | 95 | 19 | | | | 47 | 0.10 | | 1.3 | |
| 5 | Sat | | | | | | | | 96 | | | | 95 | 9 | | | | 32 | | | 30.6 | |
| 6 | Sun | | | | | | | | 96 | | | | 95 | 14 | | | | 34 | | | 31.8 | |
| 7 | Mon | | 4.96 | 80.1 | 6.16 | 1.95 | 50.0 | 6.85 | 96 | 1.85 | 52.5 | 7.27 | 95 | 26 | 4.83 | 57.7 | 6.85 | 10 | | | 7.2 | 27 |
| 8 | Tue | | | | | | | | 96 | | | | 95 | 13 | | | | 28 | | | 1.0 | |
| 9 | Wed | | | | | | | | 96 | | | | 95 | 14 | | | | 38 | | | 96.5 | |
| 10 | Thu | | | | | | | | 96 | | | | 95 | 15 | | | | 41 | | | 170.4 | |
| 11 | Fri | | | | | | | | 96 | | | | 95 | 11 | | | | 36 | | | 123.2 | |
| 12 | Sat | | | | | | | | 96 | | | | 95 | 20 | | | | 54 | | | 58.4 | |
| 13 | Sun | | | | | | | | 96 | | | | 95 | 23 | | | | 55 | | | 29.3 | |
| 14 | Mon | | 3.66 | 73.6 | 6.72 | 1.93 | 26.1 | 6.92 | 96 | 1.67 | 59.4 | 7.01 | 95 | 35 | 4.73 | 54.7 | 6.89 | 30 | | | 14.3 | 27 |
| 15 | Tue | | | | | | | | 96 | | | | 95 | 19 | | | | 35 | | | 0.5 | |
| 16 | Wed | | | | | | | | 96 | | | | 96 | 15 | | | | 41 | | | 23.8 | |
| 17 | Thu | | | | | | | | 96 | | | | 96 | 17 | | | | 48 | | | 26.2 | |
| 18 | Fri | | | | | | | | 96 | | | | 96 | 18 | | | | 57 | | | 33.2 | |
| 19 | Sat | | | | | | | | 96 | | | | 97 | 16 | | | | 57 | | | 3.4 | |
| 20 | Sun | | | | | | | | 96 | | | | 97 | 20 | | | | 69 | | | 0.3 | |
| 21 | Mon | | 4.03 | 72.4 | 6.65 | 3.10 | 41.0 | 7.13 | 96 | 4.05 | 58.0 | 7.21 | 97 | 26 | 4.63 | 56.1 | 6.91 | 35 | | | 0.3 | 24 |
| 22 | Tue | | | | | | | | 96 | | | | 97 | 8 | | | | 20 | | | 0.3 | |
| 23 | Wed | | | | | | | | 96 | | | | 97 | 13 | | | | 47 | | | 0.3 | |
| 24 | Thu | | | | | | | | 96 | | | | 97 | 15 | | | | 56 | | | 26.1 | |
| 25 | Fri | | | | | | | | 96 | | | | 97 | 15 | | | | 49 | | | 9.1 | |
| 26 | Sat | | | | | | | | 96 | | | | 97 | 20 | | | | 48 | | | 0.5 | |
| 27 | Sun | | | | | | | | 96 | | | | 97 | 13 | | | | 42 | | | 0.5 | |
| 28 | Mon | | 2.88 | 78.9 | | 1.41 | 53.6 | 6.82 | 96 | 3.19 | 57.4 | 6.90 | 97 | 32 | 4.70 | 57.2 | 7.12 | 28 | | | 0.6 | 29 |
| AVERAGE | | | 3.88 | 76.3 | 6.51 | 2.10 | 42.7 | 6.93 | 96 | 2.69 | 56.8 | 7.10 | 96 | 17 | 4.72 | 56.4 | 6.94 | 40 | 0.10 | | 24.7 | 4 |
| MAXIMUM | | | 4.96 | 80.1 | 6.72 | 3.10 | 53.6 | 7.13 | 96 | 4.05 | 59.4 | 7.27 | 97 | 35 | 4.83 | 57.7 | 7.12 | 69 | 0.10 | | 170.4 | 29 |
| MINIMUM | | | 2.88 | 72.4 | 6.16 | 1.41 | 26.1 | 6.82 | 96 | 1.67 | 52.5 | 6.90 | 95 | 4 | 4.63 | 54.7 | 6.85 | 0 | 0.10 | | 0.3 | |
| # OF DATA | | | 4 | 4 | 3 | 4 | 4 | 4 | 28 | 4 | 4 | 4 | 28 | 28 | 4 | 4 | 4 | 28 | 1 | | 28 | 28 |
| TOTAL | | | 16 | 305 | 20 | 8 | 171 | 28 | 2686 | 11 | 227 | 28 | 2685 | 481 | 19 | 226 | 28 | 1125 | 0 | | 693 | 107 |

MONTHLY REPORT OF OPERATION

Trickling Filter Wastewater Treatment Plant

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

Permit # IN0025577
 Expires 10-31-2009
 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 | | Hg | Cr | Cu | Pb | Ni | Zn | CN- | Hg | Cr | Cu | Pb | Ni | Zn | CN- |
| Sample Number | | CO71900 | CO1032 | CO1042 | CO1051 | CO1074 | CO1092 | CO0720 | CO71900 | CO1032 | CO1042 | CO1051 | CO1074 | CO1092 | CO0720 |
| Sample Type | Permit Condition | Grab | 24 Hour | 24 Hour | 24 Hour | 24 Hour | 24 Hour | 24 Hour | Grab | 24 Hour | 24 Hour | 24 Hour | 24 Hour | 24 Hour | 24 Hour |
| | Monitored | Grab | 24 Hour | 24 Hour | 24 Hour | 24 Hour | 24 Hour | 24 Hour | Grab | 24 Hour | 24 Hour | 24 Hour | 24 Hour | 24 Hour | 24 Hour |
| Frequency | Permit Condition | 6 X Annual | 4 X Annual | 2-31 Days | 4 X Annual | 4 X Annual | 4 X Annual | 2-31 Days | 6 X Annual | 4 X Annual | 2-31 Days | 4 X Annual | 4 X Annual | 4 X Annual | 2-31 Days |
| | Monitored | 6 X Annual | 4 X Annual | 2-31 Days | 4 X Annual | 4 X Annual | 4 X Annual | 2-31 Days | 6 X Annual | 4 X Annual | 2-31 Days | 4 X Annual | 4 X Annual | 4 X Annual | 2-31 Days |
| Parameter Limits | Daily Maximum | | | | | | | | | | 0.055 | | | | 0.016 |
| | Monthly Average | | | | | | | | | | 0.024 | | | | 0.016 |
| 1st Date: | | February 2nd | | 0.091 | | | | <0.005 | | 0.012 | | | | <0.005 | |
| 2nd Date: | | February 9th | | 0.076 | | | | | | 0.011 | | | | | |
| 3rd Date: | | February 16th | | 0.041 | | | | <0.005 | | 0.012 | | | | <0.005 | |
| 4th Date: | | February 23rd | | 0.061 | | | | | | 0.009 | | | | | |
| 5th Date: | | | | | | | | | | | | | | | |
| Number of times Limit Value exceeded: | | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0 | NA | NA | NA | 0 |
| Average | | | | 0.067 | | | | <0.003 | | 0.011 | | | | <0.003 | |
| Maximum | | | | 0.091 | | | | <0.005 | | 0.012 | | | | <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 | 40 | 25 | 3338 | 2086 | 45 | 30 | 3755 | 2504 | 2.70 | 1.80 | 225 | 150 | 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 | 5.9 | 4.4 | 6 | 5 | 282 | 179 | 8 | 6 | 398 | 237 | 0.92 | 0.77 | 38 | 28 | 9.5 | 7.67 | | | |
| Total | | | | 0 | 0 | 0 | 0 | 0 | 0 | 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: Feb-05
 LaPorte Wastewater Treatment Plant
 2101 Boyd Boulevard, La Porte IN 46350
 Phone # (219)362-2354

Page 6 of 6
 Permit # IN0025577
 Expires 10-31-2009
 Certified Operator : Jerry P Jackson
 Certification Number : 11496

Total lbs Volatile Solids to Digester 5,248

Overall Percent Removal of Volatile Solids 59.7%

Equivalent Population Treated in (lbs Raw CBOD per Day / 0.17) 23,915

Rotary Filter Hydraulic Loading Rate (Gallon / Day / Sq Ft) 462

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

Biotower Filter Hydraulic Loading Rate (Gallons / Day / Sq Ft) 1,095

Rotary Filter Organic Loading Rate (lbs CBOD / 1000 Cu Ft / Day) 31

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

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

Monthly Removal Summary

| Percent Removal : | CBOD | TSS | AMMONIA |
|-----------------------|------|-----|---------|
| Primary Treatment : | 31% | 54% | -3% |
| Secondary Treatment : | 75% | 64% | 23% |
| Adv. Sec. Treatment : | 76% | 75% | 95% |
| Overall Treatment : | 96% | 96% | 96% |

| Detention Time (Hours) | Maximum | Minimum | Average |
|----------------------------|---------|---------|---------|
| Primary Settling Tank | 4.7 | 1.5 | 2.8 |
| Secondary Settling Tank | 3.5 | 1.1 | 2.0 |
| Final Settling Tank | 10.8 | 3.5 | 6.4 |
| Total Plant Retention Time | 19.0 | 6.1 | 11.2 |

| Surface Flow Rate | Maximum | Minimum | Average |
|---------------------------|---------|---------|---------|
| Gallons per sq ft per Day | | | |
| Primary Settling Tank | 1015 | 324 | 552 |
| Secondary Settling Tank | 1340 | 428 | 729 |
| Final Settling Tank | 683 | 218 | 371 |

| Weir OverFlow Rate | Maximum | Minimum | Average |
|-------------------------|---------|---------|---------|
| 1000 Gal per ft per Day | | | |
| Primary Settling Tank | 20 | 6 | 11 |
| Secondary Settling Tank | 16 | 5 | 9 |
| Final Settling Tank | 16 | 5 | 8 |

| TREATMENT EQUIPMENT | Total available | Number in service |
|---------------------------|-----------------|-------------------|
| PRIMARY CLARIFIER TANKS | 4 | 4 |
| SECONDARY CLARIFIER TANKS | 2 | 2 |
| FINAL CLARIFIER TANKS | 2 | 2 |
| ROTARY FILTER | 1 | 1 |
| FIXED BED FILTER | 1 | 1 |
| BIOTOWERS | 2 | 2 |

Monthly Comments Concerning Plant Operation:

Feb 1, 7, 14, 21, 25, 28 - Successful test of emergency power system

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines or imprisonment for knowing violations.

Certified Operator Signature: _____ Certification # : 11496

Executive Officer OR Authorized Agent Signature: _____



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) 02/01/2005 02/28/2005 | Check box if no CSO discharge occurred for the month: <input checked="" type="checkbox"/> X |

| Design Peak Inf. Flow(MGD) | | | | | Measured/Metered (M) or Estimated (E) must be specified.(Please attach methods used.) | | | | | | | | | | | | | | | | | | |
|----------------------------|-------------|-------------------|---------------------------|----------------------------|---|--------|------------------------|--------|----------------------|-----------------|----------------------|--------|------------------------|--------|----------------------|--------|----------------------|--------|------------------------|--------|----------------------|--------|--|
| 9.7 | | | | | CSO Outfall No. 002 | | | | | CSO Outfall No. | | | | | CSO Outfall No. | | | | | | | | |
| 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 | Tue | | 2.96 | 4.07 | | | | | | | | | | | | | | | | | | | |
| 2 | Wed | | 2.59 | 3.62 | | | | | | | | | | | | | | | | | | | |
| 3 | Thu | | 3.68 | 5.21 | | | | | | | | | | | | | | | | | | | |
| 4 | Fri | | 3.92 | 4.77 | | | | | | | | | | | | | | | | | | | |
| 5 | Sat | | 3.33 | 5.22 | | | | | | | | | | | | | | | | | | | |
| 6 | Sun | | 4.22 | 6.11 | | | | | | | | | | | | | | | | | | | |
| 7 | Mon | 0.45 | 5.84 | 10.12 | | | | | | | | | | | | | | | | | | | |
| 8 | Tue | 0.08 | 4.87 | 6.87 | | | | | | | | | | | | | | | | | | | |
| 9 | Wed | 0.07 | 4.10 | 4.90 | | | | | | | | | | | | | | | | | | | |
| 10 | Thu | 0.11 | 3.52 | 4.84 | | | | | | | | | | | | | | | | | | | |
| 11 | Fri | 0.03 | 2.71 | 3.83 | | | | | | | | | | | | | | | | | | | |
| 12 | Sat | | 2.78 | 4.03 | | | | | | | | | | | | | | | | | | | |
| 13 | Sun | 0.78 | 6.45 | 10.21 | | | | | | | | | | | | | | | | | | | |
| 14 | Mon | 0.39 | 8.12 | 10.20 | | | | | | | | | | | | | | | | | | | |
| 15 | Tue | 0.47 | 6.87 | 10.13 | | | | | | | | | | | | | | | | | | | |
| 16 | Wed | | 5.77 | 7.42 | | | | | | | | | | | | | | | | | | | |
| 17 | Thu | 0.04 | 5.59 | 6.41 | | | | | | | | | | | | | | | | | | | |
| 18 | Fri | 0.01 | 5.45 | 6.46 | | | | | | | | | | | | | | | | | | | |
| 19 | Sat | | 3.00 | 5.16 | | | | | | | | | | | | | | | | | | | |
| 20 | Sun | 0.31 | 5.09 | 9.87 | | | | | | | | | | | | | | | | | | | |
| 21 | Mon | | 4.34 | 8.70 | | | | | | | | | | | | | | | | | | | |
| 22 | Tue | 0.03 | 4.31 | 4.92 | | | | | | | | | | | | | | | | | | | |
| 23 | Wed | | 4.13 | 5.02 | | | | | | | | | | | | | | | | | | | |
| 24 | Thu | | 4.18 | 4.82 | | | | | | | | | | | | | | | | | | | |
| 25 | Fri | | 4.18 | 4.98 | | | | | | | | | | | | | | | | | | | |
| 26 | Sat | | 3.89 | 4.87 | | | | | | | | | | | | | | | | | | | |
| 27 | Sun | | 2.80 | 3.97 | | | | | | | | | | | | | | | | | | | |
| 28 | Mon | 0.54 | 4.96 | 9.00 | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | |
| Totals: | | 3.31 | n/a | n/a | n/a | | 0.0 | | 0.00 | | | | | | | | | | | | | | |

| | |
|--|----------------------------------|
| 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 05/27/2005 |
|--|---------------------------|