

**Monthly Report of Operation
Vertical Loop Reactor
Wastewater Treatment Plant**

Name of Facility: Clay Township Regional Waste D
Permit Number: IN 0055760
For Month Of: September
Year: 2007

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(SIGNATURE OF CERTIFIED OPERATOR) (DATE)

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT) (DATE)

| Day Of Month | Temperature in Reactors | REACTOR # 1 | | | | REACTOR # 2 | | | | REACTOR DATA | | | | RETURN SLUDGE | | FINAL EFFLUENT | | | |
|--------------|-------------------------|-----------------------------------|---------------------|---------------------------|-------------------------|-----------------------------------|---------------------|---------------------------|-------------------------|-------------------|------------------------|-------|------------------------|---------------|---------------------|----------------------------------|---------------------------|-------------------------|-----|
| | | Settleable Solids % in 30 minutes | Susp. Solids - mg/l | Sludge Vol. Index - ml/gm | Dissolved Oxygen - mg/l | Settleable Solids % in 30 minutes | Susp. Solids - mg/l | Sludge Vol. Index - ml/gm | Dissolved Oxygen - mg/l | #1 Reactor ORP mV | #1 Reactor OUR mg//min | 0 | #2 Reactor OUR mg//min | Volume - MG | Susp. Solids - mg/l | Residual Chlorine - Contact Tank | Residual Chlorine - Final | E. Coil - colony/100 ml | pH |
| 1 | | | | | | | | | | | | | 1.415 | | | | | | |
| 2 | | | | | | | | | | | | | 1.197 | | | | | | |
| 3 | 21.5 | 79 | | | 0.1 | 73 | | | 2.7 | -115 | | | 1.213 | | | | | 7.6 | |
| 4 | 21.7 | 76 | 4240 | 179 | 0.1 | 72 | 4180 | 172 | 1.9 | -178 | | | 1.328 | 10820 | | | 14.5 | 7.7 | |
| 5 | 21.9 | 66 | 3940 | 168 | 0.1 | 70 | 4220 | 166 | 1.4 | -122 | | | 1.229 | 10100 | | | 3.1 | 7.6 | |
| 6 | 22.2 | 63 | 3920 | 161 | 0.1 | 59 | 3820 | 154 | 1.9 | -96 | | | 1.365 | 10300 | | | 1 | 7.6 | |
| 7 | 22.1 | 70 | | | 0.1 | 68 | | | 1.4 | -96 | 1.07 | ##### | 0.3 | 1.386 | | | | 7.7 | |
| 8 | | | | | | | | | | | | | 1.403 | | | | | | |
| 9 | | | | | | | | | | | | | 1.367 | | | | | | |
| 10 | 22 | 67 | | | 0.1 | 71 | | | 1.4 | -182 | | | 1.275 | | | | | 7.7 | |
| 11 | 21.9 | 70 | 4080 | 172 | 0.1 | 74 | 4380 | 169 | 1.1 | -154 | | | 1.307 | 12740 | | | 1 | 7.6 | |
| 12 | 21.3 | 68 | 4120 | 165 | 0.1 | 68 | 4280 | 159 | 2.4 | -87 | | | 1.406 | 10220 | | | 1 | 7.6 | |
| 13 | 21 | 74 | 4120 | 180 | 0.1 | 70 | 4080 | 172 | 2.4 | -84 | 0.98 | ##### | 0.3 | 1.313 | 9920 | | | 3.1 | 7.6 |
| 14 | 21 | 70 | | | 0.1 | 69 | | | 2.2 | -71 | | | 1.521 | | | | | 7.6 | |
| 15 | | | | | | | | | | | | | 1.338 | | | | | | |
| 16 | | | | | 0.1 | 74 | | | 2.1 | -153 | | | 1.413 | | | | | | |
| 17 | 20.7 | 80 | | | 0.1 | 70 | | | 1.2 | 79 | | | 1.337 | | | | | 7.7 | |
| 18 | 21 | 71 | 3960 | 179 | 0.1 | 69 | 3900 | 177 | 2.2 | -100 | | | 1.245 | 10800 | | | 9.7 | 7.7 | |
| 19 | 21 | 75 | 4020 | 187 | 0.1 | 67 | 3840 | 174 | 2.0 | -133 | 1.03 | ##### | 0.3 | 1.314 | 10300 | | | 19.9 | 7.7 |
| 20 | 22 | 66 | 3320 | 199 | 0.1 | 70 | 4100 | 171 | 2.2 | -132 | | | 1.251 | 9940 | | | 23.1 | 7.7 | |
| 21 | 22 | 73 | | | | | | | | | | | 1.525 | | | | | 7.6 | |
| 22 | | | | | | | | | | | | | 1.351 | | | | | | |
| 23 | | | | | | | | | | | | | 1.352 | | | | | | |
| 24 | 22 | 73 | | | 0.1 | 73 | | | 1.1 | -232 | | | 1.293 | | | | | 7.7 | |
| 25 | 22 | 74 | 4100 | 180 | 0.1 | 67 | 4080 | 164 | 0.2 | -232 | | | 1.364 | 10640 | | | 12.2 | 7.6 | |
| 26 | 22 | 60 | 3680 | 163 | 0.0 | 62 | 3760 | 165 | 2.1 | -141 | | | 1.384 | 10440 | | | 3 | 7.7 | |
| 27 | 22 | 74 | 4100 | 180 | 0.1 | 70 | 4120 | 170 | 2.1 | -169 | 0.96 | ##### | 0.3 | 1.366 | 10540 | | | 1.5 | 7.7 |
| 28 | 22 | 69 | | | 0.1 | 66 | | | 2.7 | -145 | | | 1.452 | | | | | 7.7 | |
| 29 | | | | | | | | | | | | | 1.402 | | | | | | |
| 30 | | | | | | | | | | | | | 1.372 | | | | | | |
| Avg. | 21.7 | 71 | 3967 | 176 | 0.075 | 69 | 4063 | 168 | 1.827 | | 1 | 0.303 | 1 | 10563 | | | 4 | | |
| Max. | 22.2 | 80 | 4240 | 199 | 0.09 | 74 | 4380 | 177 | 2.71 | | 1.07 | 0.34 | 1.525 | 12740 | | | 23.1 | 7.7 | |
| Min. | 20.7 | 60 | 3320 | 161 | 0 | 59 | 3760 | 154 | 0.17 | | 0.96 | 0.28 | 1.197 | 9920 | | | 1 | 7.6 | |
| Data | 20 | 20 | 12 | 12 | 20 | 20 | 12 | 12 | 20 | 20 | 4 | 4 | 4 | 30 | 12 | 0 | 0 | 12 | 20 |

Comments for the Month (major repairs, breakdowns, process upsets and their causes, inplant treatment process bypass, etc.):

**Monthly Report of Operation
Vertical Loop Reactor
Wastewater Treatment Plant**

(SIGNATURE OF CERTIFIED OPERATOR)

(DATE)

Name of Facility: Clay Township Regional Waste Dist. Permit Number: IN 0055760 For Month Of: September Year: 2007

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)

(DATE)

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| Day Of Month | FINAL EFFLUENT | | | | | | | | | | | | | | | |
|--------------|--------------------------|------------------------------|-------------------------|-------------------|--------------|-----------------------------|-------------|--------------------------------|------------------------|------------------------------------|--------------------|---------------------------------------|----------------|-------------------------------|---------------|----------------------------------|
| | Flow | | Dissolved Oxygen - mg/l | Phosphorus - mg/l | BOD | | | | Total Suspended Solids | | | | Ammonia | | | |
| | Effluent Flow Rate (MGD) | Effluent Flow Weekly Average | | | CBOD5 - mg/l | CBOD5 - mg/l Weekly Average | CBOD5 - lbs | CBOD5 - lbs/day Weekly Average | Susp. Solids - mg/l | Susp. Solids - mg/l Weekly Average | Susp. Solids - lbs | Susp. Solids - lbs/day Weekly Average | Ammonia - mg/l | Ammonia - mg/l Weekly Average | Ammonia - lbs | Ammonia - lbs/day Weekly Average |
| 1 | 1.479 | | | | | | | | | | | | | | | |
| 2 | 1.214 | | | | | | | | | | | | | | | |
| 3 | 1.26 | | 8.92 | | | | | | | | | | | | | |
| 4 | 1.369 | | 8.16 | 0.55 | 1.5 | 17.136 | | 2.8 | 31.988 | | 0.813 | 9.288 | | | | |
| 5 | 1.208 | | 8.04 | 0.53 | 2.49 | 25.101 | | 4.8 | 48.388 | | 0.589 | 5.938 | | | | |
| 6 | 1.44 | | 8.34 | 0.5 | 1.35 | 16.223 | | 3.2 | 38.454 | | 0.601 | 7.222 | | | | |
| 7 | 1.508 | | 8.17 | | | | | | | | | | | | | |
| 8 | 1.651 | 1.37857 | | | | 1.78 | 19.487 | | 3.6 | 39.61 | | 0.6677 | 7.483 | | | |
| 9 | 1.524 | | | | | | | | | | | | | | | |
| 10 | 1.399 | | 8.17 | | | | | | | | | | | | | |
| 11 | 1.507 | | 8.01 | 0.43 | 5.14 | 64.64 | | 5.4 | 67.91 | | 0.612 | 7.696 | | | | |
| 12 | 1.453 | | 7.87 | 0.4 | 1.98 | 24.008 | | 3.4 | 41.226 | | 0.422 | 5.117 | | | | |
| 13 | 1.377 | | 8.44 | 0.32 | 1.57 | 18.041 | | 3.1 | 35.622 | | 0.348 | 3.999 | | | | |
| 14 | 1.63 | | 9.44 | | | | | | | | | | | | | |
| 15 | 1.412 | 1.47171 | | | | 2.8967 | 35.563 | | 3.9667 | 48.253 | | 0.4607 | 5.604 | | | |
| 16 | 1.517 | | | | | | | | | | | | | | | |
| 17 | 1.437 | | 9.92 | | | | | | | | | | | | | |
| 18 | 1.314 | | 8.78 | 0.22 | 3.09 | 33.883 | | 7.4 | 81.143 | | 0.347 | 3.805 | | | | |
| 19 | 1.407 | | 8.28 | 0.35 | 2.09 | 24.54 | | 3.8 | 44.617 | | 0.359 | 4.215 | | | | |
| 20 | 1.303 | | 8.35 | 0.34 | 1.51 | 16.419 | | 4.3 | 46.756 | | 0.305 | 3.316 | | | | |
| 21 | 1.627 | | 9.22 | | | | | | | | | | | | | |
| 22 | 1.366 | 1.42443 | | | | 2.23 | 24.947 | | 5.1667 | 57.506 | | 0.337 | 3.779 | | | |
| 23 | 1.374 | | | | | | | | | | | | | | | |
| 24 | 1.317 | | 9.37 | | | | | | | | | | | | | |
| 25 | 1.536 | | 8.02 | 0.37 | 3.37 | 43.196 | | 5.6 | 71.78 | | 0.639 | 8.191 | | | | |
| 26 | 1.521 | | 8.18 | 0.26 | 1.35 | 17.135 | | 3.8 | 48.232 | | 0.465 | 5.902 | | | | |
| 27 | 1.428 | | 7.9 | 0.22 | 1.37 | 16.326 | | 4.4 | 52.433 | | 0.335 | 3.992 | | | | |
| 28 | 1.531 | | 8.92 | | | | | | | | | | | | | |
| 29 | 1.459 | 1.45229 | | | | 2.03 | 25.552 | | 4.6 | 57.482 | | 0.4797 | 6.028 | | | |
| 30 | 1.387 | | | | | | | | | | | | | | | |
| Avg | 1.43183 | | 8.525 | 0.3742 | 2.2342 | 26.387 | | 4.3333 | 50.713 | | 0.4863 | 5.723 | | | | |
| Max | 1.651 | 1.47171 | 9.92 | 0.55 | 5.14 | 2.8967 | 64.64 | 35.563 | 7.4 | 5.1667 | 81.143 | 57.506 | 0.813 | 0.6677 | 9.288 | 7.483 |
| Min | 1.208 | 1.37857 | 7.87 | 0.22 | 1.35 | 1.78 | 16.223 | 19.487 | 2.8 | 3.6 | 31.988 | 39.61 | 0.305 | 0.337 | 3.316 | 3.779 |
| Data | 30 | 4 | 20 | 12 | 12 | 4 | 12 | 4 | 12 | 4 | 12 | 4 | 12 | 4 | 12 | 4 |

| MONTHLY REMOVAL SUMMARY | | | | | Total Monthly Flow: | |
|-------------------------|---|------|---------|------------|----------------------|--------|
| | BOD5 | S.S. | Ammonia | Phosphorus | (million gallons) | 42.955 |
| Percent Removal | 99 | 99 | 98 | 95.1 | | |
| | Phosphorus limit would be 1 mg/l. (compliance achieved) | | | | Percent Capacity | 56% |
| | | | | | (actual flow/design) | |

**Monthly Report of Operation
Vertical Loop Reactor
Wastewater Treatment Plant**

(SIGNATURE OF CERTIFIED OPERATOR)

(Date)

Name of Facility: Clay Township Regi
Permit Number: IN 0055760
For Month Of: September
Year: 2007

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR
AUTHORIZED AGENT)

(Date)

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| Day Of Month | SLUDGE TO DIGESTER | | DIGESTER OPERATION | | | | | | | | | | | |
|--------------|-------------------------------|----|---------------------------------|-----------------|--------|---|-------------------------------------|-------------------------------------|-------------------------------------|--|--|---|---|---|
| | Waste Act. Sludge Gal. x 1000 | pH | Anaerobic Only | | | Supernatant Withdrawn hrs. or Gal. x 1000 | Supernatant BOD5 mg/l or NH3-N mg/l | Total Solids in Incoming Sludge - % | Total Solids in Digested Sludge - % | Volatile Solids in Incoming Sludge - % | Volatile Solids in Digested Sludge - % | Digested Sludge Withdrawn hrs. or Gal. x 1000 | | |
| | | | Gas Production Cubic Ft. x 1000 | Temperature - F | | | | | | | | | | |
| 1 | | | | | 70 | | | | | | | 31 | | |
| 2 | | | | | | | | | | | | | | |
| 3 | 51 | | | | | | 1.2 | | 74 | | | | | |
| 4 | 50 | | | | | | 1.2 | | 73 | | | | | |
| 5 | 40 | | | | | | 1.1 | | 72 | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | 43 | | | | | | | 113 | | |
| 8 | | | | | 46 | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | 52 | | | | | | 1.2 | | 73 | | | | | |
| 11 | 52 | | | | | | 1.2 | | 72 | | | | | |
| 12 | 34 | | | | | | 1.1 | | 73 | | | | | |
| 13 | 40 | | | | | | 1.1 | | 72 | | | | | |
| 14 | | | | | 29 | | | | | | | | | |
| 15 | | | | | 53 | | | | | | | 75 | | |
| 16 | | | | | | | | | | | | | | |
| 17 | 48 | | | | | | 1.2 | | 72 | | | | | |
| 18 | 51 | | | | | | 1.2 | | 72 | | | | | |
| 19 | 50 | | | | | | 1.1 | | 71 | | | | | |
| 20 | 28 | | | | | | 1.1 | | 72 | | | | | |
| 21 | | | | | 65 | | | | | | | 38 | | |
| 22 | | | | | 27 | | | | | | | 38 | | |
| 23 | | | | | | | | | | | | | | |
| 24 | 51 | | | | | | 1.2 | | 73 | | | | | |
| 25 | 50 | | | | | | 1.2 | | 72 | | | | | |
| 26 | | | | | | | | | | | | 125 | | |
| 27 | 27 | | | | | | 1.1 | | 72 | | | 38 | | |
| 28 | | | | | 48 | | | | | | | | | |
| 29 | | | | | 118 | | | | | | | | | |
| 30 | | | | | | | | | | | | | | |
| Avg. | 44.571 | | | | 55.444 | | 1.1571 | | 72.357 | | | 65.429 | | |
| Max. | 52 | | | | 118 | | 1.2 | | 74 | | | 125 | | |
| Min. | 27 | | | | 27 | | 1.1 | | 71 | | | 31 | | |
| Data | 0 | 14 | 0 | 0 | 0 | 9 | 0 | 14 | 0 | 14 | 0 | 7 | 0 | 0 |

Send completed forms by the 28th of the month to:
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER QUALITY, DATA MANAGEMENT SECTION
P.O. BOX 6015
INDIANAPOLIS, INDIANA 46206-6015

**Monthly Report of Operation
Vertical Loop Reactor
Wastewater Treatment Plant**

(SIGNATURE OF CERTIFIED OPERATOR)

Name of Facility: Clay Township Regional Waste Dist. Permit Number: IN 005760 For Month Of: September Year: 2007

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)

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| Day Of Month | Temperature in Reactors | Orbal #1 | | | Orbal #3 | | | | | RETURN SLUDGE | | | | Flow Vol. | | | |
|--------------|-------------------------|----------|-------------------------|--------------|-----------------------------------|---------------------|---------------------------|-------------------------|--------------|---------------|---------------------|---------------------------|-------|-----------|--------|----|---|
| | | ORP mV | Dissolved Oxygen - mg/L | OUR gm/L/Min | Settleable Solids % in 30 Minutes | Susp. Solids - mg/L | Sludge Vol. Index - mg/gm | Dissolved Oxygen - mg/L | OUR gm/L/min | Volume - MG | Susp. Solids - mg/L | Orbal Influent Flow - MGD | | | | | |
| 1 | | | | | | | | | | | | | 0.757 | | 1.065 | | |
| 2 | | | | | | | | | | | | | 0.664 | | 0.864 | | |
| 3 | 21.5 | 78 | 0.1 | | 75 | | | 1.2 | | | | | 0.69 | | 0.957 | | |
| 4 | 21.8 | -111 | 0.09 | | 70 | 3920 | 179 | 1.2 | | | | | 0.766 | 4540 | 1.051 | | |
| 5 | 22.1 | 9 | 0.1 | | 65 | 3920 | 166 | 1.3 | | | | | 0.715 | 5640 | 0.944 | | |
| 6 | 22.5 | 37 | 0.09 | | 56 | 3740 | 150 | 1.2 | | | | | 0.751 | 3480 | 1.013 | | |
| 7 | 22.2 | 7 | 0.09 | | 70 | | | 1.2 | 1.01 | | | | 0.735 | | 1.049 | | |
| 8 | | | | | | | | | | | | | 0.706 | | 1.054 | | |
| 9 | | | | | | | | | | | | | 0.699 | | 1.026 | | |
| 10 | 22.1 | 50 | 0.01 | | 66 | | | | | | | | 0.712 | | 1.025 | | |
| 11 | 21.9 | -76 | 0.09 | | 68 | 4600 | 148 | 1.2 | | | | | 0.739 | 2600 | 0.942 | | |
| 12 | 20.9 | 68 | 0.1 | | 68 | 4400 | 155 | 1.2 | | | | | 0.82 | 6460 | 1.025 | | |
| 13 | 20.8 | 39 | 0.1 | | 71 | 3660 | 194 | 1.2 | | | | | 0.793 | 2580 | 1.032 | | |
| 14 | 21 | 70 | 0.1 | | 70 | | | 1.2 | 0.90 | | | | 0.841 | | 1.145 | | |
| 15 | | | | | | | | 1.1 | | | | | 0.739 | | 0.982 | | |
| 16 | | | | | | | | | | | | | 0.784 | | 1.03 | | |
| 17 | 20.1 | -257 | 0.1 | | 72 | | | 1.3 | | | | | 0.806 | | 0.944 | | |
| 18 | 20.9 | -109 | 0.08 | | 68 | 4080 | 167 | 1.7 | | | | | 0.766 | 5600 | 0.793 | | |
| 19 | 21.4 | -117 | 0.09 | | 68 | 3640 | 187 | 1.3 | | | | | 0.8 | 2740 | 0.712 | | |
| 20 | 22 | 172 | 0.09 | | 64 | 3740 | 171 | 1.2 | 1.23 | | | | 0.773 | 7040 | 0.646 | | |
| 21 | 22.2 | 96 | 0.09 | | 70 | | | 1.2 | | | | | 0.879 | | 0.953 | | |
| 22 | | | | | | | | | | | | | 0.801 | | 0.833 | | |
| 23 | | | | | | | | | | | | | 0.792 | | 0.737 | | |
| 24 | 21.8 | -34 | 0.09 | | 74 | | | 1.2 | | | | | 0.818 | | 0.806 | | |
| 25 | 22.4 | 34 | 0.1 | | 69 | 3880 | 178 | 1.2 | | | | | 0.824 | 3260 | 0.879 | | |
| 26 | 22.4 | -208 | 0 | | 56 | 3580 | 156 | 1.0 | | | | | 0.816 | 5700 | 0.723 | | |
| 27 | 21.8 | -192 | 0.07 | | 66 | 3840 | 172 | 1.0 | 0.85 | | | | 0.828 | 4200 | 0.737 | | |
| 28 | 21.2 | -271 | 0.08 | | 71 | | | 1.0 | | | | | 0.843 | | 0.838 | | |
| 29 | | | | | | | | | | | | | 0.822 | | 0.76 | | |
| 30 | | | | | | | | | | | | | 0.818 | | 0.744 | | |
| Avg. | 21.65 | | 0 | | 67.85 | 3917 | 168 | 1 | 0.9975 | | | | 0.78 | 4486.7 | 0.9053 | | |
| Max. | 22.5 | | 0.1 | | 75 | 4600 | 193.99 | 2 | 1.23 | | | | 0.879 | 7040 | 1.145 | | |
| Min. | 20.1 | | 0 | | 56 | 3580 | 147.83 | 1 | 0.85 | | | | 0.664 | 2580 | 0.646 | | |
| Data | 20 | 20 | 20 | 0 | 20 | 12 | 12 | 20 | 4 | 0 | 0 | 0 | 0 | 30 | 12 | 29 | 0 |