



MONTHLY REPORT OF OPERATION WATER TREATMENT PLANT

State Form 34609 (R11 / 1-17)

INDIANA DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT

System Name Troy Water Utility PWSID Number IN5262005

For the Month of May Year 2024 IDEM Field Rep. Anna Readle

Signed Robert W. Poole Title Plant Operator

I certify **under penalty of law**, by this signature that this document was prepared by me, or under my direction, and the information submitted is to the best of my knowledge and belief, true, accurate, and complete.
I am also aware that there are significant penalties for submitting false information.

Certification Number _____

PHYSICAL AND CHEMICAL DATA *

| Date | Turbidity | | Alkalinity | | pH | | Hardness | | Iron | | Manganese | | Phosphate | Fluoride |
|------|-----------|----------|------------|----------|-----|----------|----------|----------|------|----------|-----------|----------|-----------|----------|
| | Raw | Finished | Raw | Finished | Raw | Finished | Raw | Finished | Raw | Finished | Raw | Finished | Finished | Finished |
| 1 | | | | | | | | | | | .159 | .032 | | |
| 2 | | | | | | | | | | | .144 | .023 | | |
| 3 | | | | | | | | | | | .146 | .027 | | |
| 4 | | | | | | | | | | | .151 | .022 | | |
| 5 | | | | | | | | | | | .136 | .023 | | |
| 6 | | | | | | | | | | | .098 | .019 | | |
| 7 | | | | | | | | | | | .084 | .011 | | |
| 8 | | | | | | | | | | | .093 | .030 | | |
| 9 | | | | | | | | | | | .079 | .015 | | |
| 10 | | | | | | | | | | | .113 | .021 | | |
| 11 | | | | | | | | | | | .122 | .023 | | |
| 12 | | | | | | | | | | | .117 | .026 | | |
| 13 | | | | | | | | | | | .108 | .019 | | |
| 14 | | | | | | | | | | | .124 | .028 | | |
| 15 | | | | | | | | | | | .103 | .014 | | |
| 16 | | | | | | | | | | | .101 | .027 | | |
| 17 | | | | | | | | | | | .126 | .028 | | |
| 18 | | | | | | | | | | | .109 | .022 | | |
| 19 | | | | | | | | | | | .117 | .028 | | |
| 20 | | | | | | | | | | | .171 | .029 | | |
| 21 | | | | | | | | | | | .128 | .017 | | |
| 22 | | | | | | | | | | | .119 | .022 | | |
| 23 | | | | | | | | | | | .099 | .012 | | |
| 24 | | | | | | | | | | | .140 | .037 | | |
| 25 | | | | | | | | | | | .122 | .029 | | |
| 26 | | | | | | | | | | | .108 | .019 | | |
| 27 | | | | | | | | | | | .132 | .018 | | |
| 28 | | | | | | | | | | | .129 | .022 | | |
| 29 | | | | | | | | | | | .145 | .039 | | |
| 30 | | | | | | | | | | | .159 | .014 | | |
| 31 | | | | | | | | | | | .139 | .017 | | |

* All parameters are to be expressed in mg/l except pH and turbidity.

DUE BY THE 10TH OF THE MONTH FOLLOWING THE REPORTING PERIOD.

| Date | Water Treated 1000 gallons | Chemicals Used – Pounds | | | | | | | | Filters | | Chlorine Residual | | | | Remarks | |
|------|-------------------------------|-------------------------|------|------|----------|--------|----------|----------|------------|--------------------|-------------------------|-------------------|-------|-------|-------|--|------|
| | | Salt | Alum | Lime | Soda Ash | Carbon | Chlorine | Fluoride | Phos-phate | Filter Run (hours) | Gallons per wash x 1000 | Plant Tap | | D. S. | | | |
| | | | | | | | | | | | | Free | Total | Free | Total | | |
| 1 | 324 | | | | | | 29.5 | | | | | 1.06 | 1.15 | .98 | 1.04 | | |
| 2 | 249 | | | | | | 23 | | | | | 1.15 | 1.21 | .91 | 1.01 | | |
| 3 | 250 | | | | | | 23 | | | | | 1.09 | 1.17 | .83 | .87 | | |
| 4 | 234 | | | | | | 21.5 | | | | | .90 | .98 | 1.04 | 1.07 | | |
| 5 | 176 | | | | | | 15.5 | | | | | .87 | 1.01 | | | | |
| 6 | 185 | | | | | | 16.5 | | | | | .93 | 1.09 | | | | |
| 7 | 207 | | | | | | 19 | | | | | .99 | 1.06 | | | | |
| 8 | 287 | | | | | | 27 | | | | | 1.12 | 1.25 | | | | |
| 9 | 225 | | | | | | 21 | | | | | .93 | 1.12 | | | | |
| 10 | 250 | | | | | | 23 | | | | | .89 | 1.07 | | | | |
| 11 | 276 | | | | | | 25.5 | | | | | 1.03 | 1.11 | .83 | .88 | | |
| 12 | 281 | | | | | | 26 | | | | | 1.01 | 1.08 | .92 | 1.00 | | |
| 13 | 173 | | | | | | 15 | | | | | 1.00 | 1.12 | .90 | .96 | | |
| 14 | 144 | | | | | | 12 | | | | | 1.13 | 1.22 | .87 | .98 | | |
| 15 | 195 | | | | | | 18 | | | | | 1.06 | 1.18 | 1.01 | 1.12 | | |
| 16 | 225 | | | | | | 20.5 | | | | | 1.14 | 1.19 | .82 | .88 | | |
| 17 | 226 | | | | | | 20.5 | | | | | 1.03 | 1.06 | .93 | .98 | | |
| 18 | 201 | | | | | | 18 | | | | | 1.06 | 1.11 | .88 | .96 | | |
| 19 | 190 | | | | | | 17 | | | | | 1.01 | 1.10 | .79 | .83 | | |
| 20 | 196 | | | | | | 17.5 | | | | | .81 | 1.09 | .96 | 1.02 | | |
| 21 | 234 | | | | | | 21.5 | | | | | 1.01 | 1.14 | 1.03 | 1.11 | Monthly Water Treatment | |
| 22 | 246 | | | | | | 22 | | | | | 1.03 | 1.12 | | | Total Gallons | 7020 |
| 23 | 246 | | | | | | 22 | | | | | 1.05 | 1.08 | .85 | .89 | Max. Day | 327 |
| 24 | 236 | | | | | | 21.5 | | | | | .98 | 1.11 | .98 | 1.04 | Min. Day | 144 |
| 25 | 156 | | | | | | 14 | | | | | 1.07 | 1.16 | .78 | .91 | Avg. Daily | 226 |
| 26 | 163 | | | | | | 14 | | | | | 1.04 | 1.11 | .89 | .94 | E-Mail To: DWBMRO@idem.in.gov | |
| 27 | 151 | | | | | | 13 | | | | | 1.04 | 1.12 | .88 | .91 | | |
| 28 | 156 | | | | | | 13.5 | | | | | 1.06 | 1.11 | | | Mail To: Indiana Department of Environmental Management Drinking Water Branch 100 N. Senate Ave. Room N1201 Indianapolis, IN 46204-2237 | |
| 29 | 327 | | | | | | 30 | | | | | 1.01 | 1.07 | | | | |
| 30 | 323 | | | | | | 29 | | | | | 1.07 | 1.11 | | | | |
| 31 | 288 | | | | | | 27 | | | | | .99 | 1.08 | | | | |