



**MONTHLY REPORT OF OPERATION  
WATER TREATMENT PLANT**

State Form 34609 (R11 / 1-17)

**INDIANA DEPARTMENT OF  
ENVIRONMENTAL MANAGEMENT**

System Name Town of New Pekin PWSID Number 5288004

For the Month of MAY Year 2024 IDEM Field Rep. EVAN BOOK

Signed [Signature] Title Superintendent

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 936753

**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    |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 2    |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 3    |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 4    |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 5    |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 6    |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 7    |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 8    |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 9    |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 10   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 11   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 12   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 13   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 14   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 15   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 16   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 17   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 18   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 19   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 20   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 21   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 22   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 23   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 24   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 25   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 26   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 27   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 28   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 29   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 30   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |
| 31   |           |          |            |          |     |          |          |          |      |          |           |          |           |          |

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

**DUE BY THE 10<sup>TH</sup> OF THE MONTH FOLLOWING THE REPORTING PERIOD.**

| Date | Water Treated | Chemicals Used – Pounds |      |      |          |        |          |          |           | Filters            |                         | Chlorine Residual |       |       |       | Remarks  |           |
|------|---------------|-------------------------|------|------|----------|--------|----------|----------|-----------|--------------------|-------------------------|-------------------|-------|-------|-------|--|-----------|
|      |               | Salt                    | Alum | Lime | Soda Ash | Carbon | Chlorine | Fluoride | Phosphate | Filter Run (hours) | Gallons per wash x 1000 | Plant Tap         |       | D. S. |       |  |           |
|      |               |                         |      |      |          |        |          |          |           |                    |                         | Free              | Total | Free  | Total |  |           |
| 1    | 135500        |                         |      |      |          |        |          |          |           |                    |                         | 1.11              | 1.31  | 0.39  | 0.60  |  |           |
| 2    | 124400        |                         |      |      |          |        |          |          |           |                    |                         | 0.86              | 1.08  | 0.80  | 1.08  |  |           |
| 3    | 133700        |                         |      |      |          |        |          |          |           |                    |                         | 1.30              | 1.55  | 0.73  | 0.97  |  |           |
| 4    | 119400        |                         |      |      |          |        |          |          |           |                    |                         |                   |       | 0.70  | 0.94  |  |           |
| 5    | 119400        |                         |      |      |          |        |          |          |           |                    |                         |                   |       | 0.70  | 0.91  |  |           |
| 6    | 119300        |                         |      |      |          |        |          |          |           |                    |                         | 1.09              | 1.30  | 0.66  | 0.85  |  |           |
| 7    | 140200        |                         |      |      |          |        |          |          |           |                    |                         | 1.22              | 1.39  | 0.65  | 0.83  |  |           |
| 8    | 119800        |                         |      |      |          |        |          |          |           |                    |                         | 0.94              | 1.13  | 0.58  | 0.72  |  |           |
| 9    | 141400        |                         |      |      |          |        |          |          |           |                    |                         | 1.10              | 1.33  | 0.79  | 0.92  |  |           |
| 10   | 139900        |                         |      |      |          |        |          |          |           |                    |                         | 1.06              | 1.25  | 0.76  | 0.80  |  |           |
| 11   | 128000        |                         |      |      |          |        |          |          |           |                    |                         |                   |       | 0.61  | 0.76  |  |           |
| 12   | 128000        |                         |      |      |          |        |          |          |           |                    |                         |                   |       | 0.62  | 0.78  |  |           |
| 13   | 128100        |                         |      |      |          |        |          |          |           |                    |                         | 1.01              | 1.23  | 0.55  | 0.74  |  |           |
| 14   | 135900        |                         |      |      |          |        |          |          |           |                    |                         | 0.97              | 1.14  | 0.54  | 0.75  |  |           |
| 15   | 135800        |                         |      |      |          |        |          |          |           |                    |                         | 0.96              | 1.21  | 0.52  | 0.70  |  |           |
| 16   | 130800        |                         |      |      |          |        |          |          |           |                    |                         | 1.13              | 1.30  | 0.50  | 0.68  |  |           |
| 17   | 137200        |                         |      |      |          |        |          |          |           |                    |                         | 1.03              | 1.20  | 0.46  | 0.64  |  |           |
| 18   | 133700        |                         |      |      |          |        |          |          |           |                    |                         |                   |       | 0.42  | 0.62  |  |           |
| 19   | 133700        |                         |      |      |          |        |          |          |           |                    |                         |                   |       | 0.42  | 0.63  |  |           |
| 20   | 133900        |                         |      |      |          |        |          |          |           |                    |                         | 1.11              | 1.27  | 0.41  | 0.60  |  |           |
| 21   | 134700        |                         |      |      |          |        |          |          |           |                    |                         | 1.01              | 1.23  | 0.41  | 0.61  | Monthly Water Treatment  |           |
| 22   | 137200        |                         |      |      |          |        |          |          |           |                    |                         | 1.18              | 1.39  | 0.44  | 0.65  | Total Gallons  | 4,096,200 |
| 23   | 131200        |                         |      |      |          |        |          |          |           |                    |                         | 0.99              | 1.13  | 0.44  | 0.57  | Max. Day   | 141,400   |
| 24   | 133600        |                         |      |      |          |        |          |          |           |                    |                         | 1.05              | 1.25  | 0.45  | 0.59  | Min. Day   | 119,300   |
| 25   | 136800        |                         |      |      |          |        |          |          |           |                    |                         |                   |       | 0.45  | 0.60  | Avg. Daily   | 132,000   |
| 26   | 136800        |                         |      |      |          |        |          |          |           |                    |                         |                   |       | 0.43  | 0.58  | E-Mail To:<br><a href="mailto:DWBMRO@idem.in.gov">DWBMRO@idem.in.gov</a>   |           |
| 27   | 136900        |                         |      |      |          |        |          |          |           |                    |                         | 0.98              | 1.19  | 0.39  | 0.57  |  |           |
| 28   | 132200        |                         |      |      |          |        |          |          |           |                    |                         | 1.05              | 1.26  | 0.41  | 0.59  |  |           |
| 29   | 134700        |                         |      |      |          |        |          |          |           |                    |                         | 1.14              | 1.35  | 0.42  | 0.62  | Mail To:<br><b>Indiana Department of Environmental Management</b><br>Drinking Water Branch<br>100 N. Senate Ave. Room N1201<br>Indianapolis, IN 46204-2237 |           |
| 30   | 134700        |                         |      |      |          |        |          |          |           |                    |                         | 1.08              | 1.16  | 0.41  | 0.60  |  |           |
| 31   | 129300        |                         |      |      |          |        |          |          |           |                    |                         | 1.19              | 1.37  | 0.41  | 0.59  |  |           |

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| Date | Water Treated<br>1000 Gallons | Pump House |                  | Free | Pressure | Free CL | Total CL | Gallons | Comments |
|------|-------------------------------|------------|------------------|------|----------|---------|----------|---------|----------|
|      |                               | Time       | CL Residue Total |      |          |         |          |         |          |
| 1    | 2753831                       | 8:00       | 1.31             | 1.11 | 73       | .39     | .60      | 135,500 | 27.3     |
| 2    | 2755075                       | 8:00       | 1.08             | .86  | 72       | .80     | 1.08     | 124,400 | 26.9     |
| 3    | 2756412                       | 8:00       | 1.55             | 1.36 | 73       | .73     | .97      | 133,700 | 27.4     |
| 4    | 2757606                       |            |                  |      |          | .70     | .94      | 119,400 |          |
| 5    | 2758800                       |            |                  |      |          | .70     | .91      | 119,400 |          |
| 6    | 2759993                       | 8:00       | 1.30             | 1.09 | 70       | .66     | .85      | 119,300 | 25.9     |
| 7    | 2761395                       | 8:00       | 1.39             | 1.22 | 73       | .65     | .83      | 140,200 | 27.0     |
| 8    | 2762593                       | 8:00       | 1.13             | .94  | 81       | .58     | .72      | 119,800 | 26.3     |
| 9    | 2764007                       | 8:00       | 1.33             | 1.10 | 72       | .79     | .92      | 141,400 | 27.5     |
| 10   | 2765406                       | 8:00       | 1.25             | 1.06 | 72       | .76     | .80      | 139,900 | 28.5     |
| 11   | 2766686                       |            |                  |      |          | .61     | .76      | 128,000 |          |
| 12   | 2767966                       |            |                  |      |          | .62     | .78      | 128,000 |          |
| 13   | 2769247                       | 8:00       | 1.23             | 1.01 | 71       | .55     | .74      | 128,100 | 25.6     |
| 14   | 2770606                       | 8:00       | 1.14             | .97  | 69       | .54     | .76      | 135,900 | 24.9     |
| 15   | 2771964                       | 8:00       | 1.21             | .96  | 68       | .52     | .70      | 135,800 | 26.1     |
| 16   | 2773272                       | 8:00       | 1.30             | 1.13 | 73       | .60     | .68      | 130,800 | 26.9     |
| 17   | 2774644                       | 8:00       | 1.20             | 1.03 | 72       | .46     | .64      | 137,200 | 26.2     |
| 18   | 2775981                       |            |                  |      |          | .42     | .62      | 133,700 |          |
| 19   | 2777318                       |            |                  |      |          | .42     | .63      | 133,700 |          |
| 20   | 2778657                       | 8:00       | 1.27             | 1.11 | 71       | .41     | .60      | 133,900 | 25.2     |
| 21   | 2780004                       | 8:00       | 1.23             | 1.01 | 71       | .41     | .61      | 134,200 | 23.8     |
| 22   | 2781376                       | 8:00       | 1.39             | 1.18 | 71       | .44     | .65      | 137,200 | 22.9     |
| 23   | 2782688                       | 8:00       | 1.13             | .99  | 70       | .44     | .57      | 131,200 | 23.3     |
| 24   | 2784024                       | 8:00       | 1.25             | 1.05 | 70       | .45     | .59      | 133,600 | 23.9     |
| 25   | 2785392                       |            |                  |      |          | .45     | .60      | 136,800 |          |
| 26   | 2786760                       |            |                  |      |          | .43     | .58      | 136,800 |          |
| 27   | 2788129                       | 8:00       | 1.19             | .98  | 72       | .39     | .57      | 136,900 | 26.5     |
| 28   | 2789451                       | 8:00       | 1.26             | 1.05 | 71       | .41     | .59      | 132,200 | 25.8     |
| 29   | 2790798                       | 8:00       | 1.35             | 1.14 | 72       | .42     | .62      | 134,700 | 26.4     |
| 30   | 2792145                       | 8:00       | 1.14             | 1.08 | 72       | .41     | .60      | 134,200 | 27.4     |
| 31   | 2793438                       | 8:00       | 1.37             | 1.19 | 72       | .41     | .59      | 129,300 | 26.7     |

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