

# MONTHLY REPORT OF OPERATION WATER TREATMENT PLANT

Report for Town of Ossian

Water Works Name

for the Month of July, 2024

Well House # 2

I.D.E.M. Field Rep. Derek Petro

Signed *Derek Petro*

Title Certified Water Operator

Public Water Supply I.D. No. 5290002

Certification Number 080088

"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."

## 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    |           |          |            |          |     |          |          |          |      |          |           |          | 1.27      |          |
| 2    |           |          |            |          |     |          |          |          |      |          |           |          | 1.05      |          |
| 3    |           |          |            |          |     |          |          |          |      |          |           |          | 0.82      |          |
| 4    |           |          |            |          |     |          |          |          |      |          |           |          | 0.79      |          |
| 5    |           |          |            |          |     |          |          |          |      |          |           |          | 1.37      |          |
| 6    |           |          |            |          |     |          |          |          |      |          |           |          | 1.79      |          |
| 7    |           |          |            |          |     |          |          |          |      |          |           |          | 1.29      |          |
| 8    |           |          |            |          |     |          |          |          |      |          |           |          | 0.89      |          |
| 9    |           |          |            |          |     |          |          |          |      |          |           |          | 0.93      |          |
| 10   |           |          |            |          |     |          |          |          |      |          |           |          | 1.57      |          |
| 11   |           |          |            |          |     |          |          |          |      |          |           |          | 1.66      |          |
| 12   |           |          |            |          |     |          |          |          |      |          |           |          | 0.65      |          |
| 13   |           |          |            |          |     |          |          |          |      |          |           |          | 1.64      |          |
| 14   |           |          |            |          |     |          |          |          |      |          |           |          | 1.95      |          |
| 15   |           |          |            |          |     |          |          |          |      |          |           |          | 1.55      |          |
| 16   |           |          |            |          |     |          |          |          |      |          |           |          | 1.28      |          |
| 17   |           |          |            |          |     |          |          |          |      |          |           |          | 0.95      |          |
| 18   |           |          |            |          |     |          |          |          |      |          |           |          | 1.37      |          |
| 19   |           |          |            |          |     |          |          |          |      |          |           |          | 1.21      |          |
| 20   |           |          |            |          |     |          |          |          |      |          |           |          | 1.78      |          |
| 21   |           |          |            |          |     |          |          |          |      |          |           |          | 1.02      |          |
| 22   |           |          |            |          |     |          |          |          |      |          |           |          | 0.91      |          |
| 23   |           |          |            |          |     |          |          |          |      |          |           |          | 1.43      |          |
| 24   |           |          |            |          |     |          |          |          |      |          |           |          | 1.10      |          |
| 25   |           |          |            |          |     |          |          |          |      |          |           |          | 1.33      |          |
| 26   |           |          |            |          |     |          |          |          |      |          |           |          | 1.48      |          |
| 27   |           |          |            |          |     |          |          |          |      |          |           |          | 0.92      |          |
| 28   |           |          |            |          |     |          |          |          |      |          |           |          | 1.86      |          |
| 29   |           |          |            |          |     |          |          |          |      |          |           |          | 1.51      |          |
| 30   |           |          |            |          |     |          |          |          |      |          |           |          | 1.45      |          |
| 31   |           |          |            |          |     |          |          |          |      |          |           |          | 1.42      |          |

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

| Date | Water Treated<br>1000 gallons | Chemicals Used |        |      |          |        |          |          |            | Filters               |                            | Chlorine Residual |       |      |       | Remarks                                                                                                                                     |        |
|------|-------------------------------|----------------|--------|------|----------|--------|----------|----------|------------|-----------------------|----------------------------|-------------------|-------|------|-------|---------------------------------------------------------------------------------------------------------------------------------------------|--------|
|      |                               | Toro-Salt      | Regen. | Line | Soda Ash | Carbon | Chlorine | Fluoride | Phos-phate | Filter Run<br>(hours) | Gallons per<br>inch x 1000 | Pilot Tap         |       | D.S. |       |                                                                                                                                             |        |
|      |                               |                |        |      |          |        | Lbs.     | Gals.    |            |                       |                            | Free              | Total | Free | Total |                                                                                                                                             |        |
| 1    | 64.20                         |                |        |      |          |        | 2.50     |          | 53.50      |                       |                            | 2.38              | 3.10  | 0.27 | 0.57  |                                                                                                                                             |        |
| 2    | 65.30                         |                |        |      |          |        | 2.60     |          | 53.70      |                       |                            | 1.63              | 2.68  | 0.26 | 0.36  |                                                                                                                                             |        |
| 3    | 79.40                         |                |        |      |          |        | 3.00     |          | 67.00      |                       |                            | 1.34              | 1.45  | 0.27 | 0.37  |                                                                                                                                             |        |
| 4    | 64.50                         |                |        |      |          |        | 2.50     |          | 51.00      |                       |                            | 3.42              | 3.50  | 0.31 | 0.38  |                                                                                                                                             |        |
| 5    | 65.10                         |                |        |      |          |        | 2.70     |          | 34.50      |                       |                            | 1.20              | 2.46  | 0.25 | 0.33  |                                                                                                                                             |        |
| 6    | 52.60                         |                |        |      |          |        | 2.80     |          | 0.00       |                       |                            | 3.16              | 3.31  | 0.47 | 0.49  |                                                                                                                                             |        |
| 7    | 0.00                          |                |        |      |          |        | 2.30     |          | 0.00       |                       |                            | 1.45              | 2.44  | 0.26 | 0.30  |                                                                                                                                             |        |
| 8    | 0.00                          |                |        |      |          |        | 2.70     |          | 94.80      |                       |                            | 2.85              | 3.10  | 0.32 | 0.35  |                                                                                                                                             |        |
| 9    | 0.00                          |                |        |      |          |        | 2.60     |          | 51.40      |                       |                            | 1.19              | 1.42  | 0.49 | 0.57  |                                                                                                                                             |        |
| 10   | 56.30                         |                |        |      |          |        | 1.90     |          | 41.50      |                       |                            | 1.59              | 2.25  | 0.61 | 0.73  |                                                                                                                                             |        |
| 11   | 73.80                         |                |        |      |          |        | 2.10     |          | 0.00       |                       |                            | 2.89              | 3.21  | 0.43 | 0.45  |                                                                                                                                             |        |
| 12   | 73.00                         |                |        |      |          |        | 2.10     |          | 63.20      |                       |                            | 1.86              | 2.67  | 0.24 | 0.25  |                                                                                                                                             |        |
| 13   | 68.00                         |                |        |      |          |        | 2.00     |          | 64.10      |                       |                            | 2.71              | 3.16  | 0.39 | 0.41  |                                                                                                                                             |        |
| 14   | 83.40                         |                |        |      |          |        | 2.40     |          | 76.40      |                       |                            | 1.27              | 1.95  | 0.43 | 0.48  |                                                                                                                                             |        |
| 15   | 65.20                         |                |        |      |          |        | 1.80     |          | 60.80      |                       |                            | 1.62              | 2.50  | 0.29 | 0.33  |                                                                                                                                             |        |
| 16   | 85.70                         |                |        |      |          |        | 2.60     |          | 78.00      |                       |                            | 2.30              | 2.47  | 0.35 | 0.42  |                                                                                                                                             |        |
| 17   | 94.10                         |                |        |      |          |        | 2.80     |          | 85.20      |                       |                            | 2.50              | 2.81  | 0.21 | 0.23  |                                                                                                                                             |        |
| 18   | 84.30                         |                |        |      |          |        | 2.60     |          | 72.90      |                       |                            | 2.47              | 2.55  | 0.54 | 0.68  |                                                                                                                                             |        |
| 19   | 79.60                         |                |        |      |          |        | 2.40     |          | 68.10      |                       |                            | 2.51              | 3.14  | 1.31 | 1.36  |                                                                                                                                             |        |
| 20   | 71.30                         |                |        |      |          |        | 2.00     |          | 62.20      |                       |                            | 2.20              | 2.26  | 0.72 | 0.75  |                                                                                                                                             |        |
| 21   | 86.40                         |                |        |      |          |        | 2.50     |          | 72.40      |                       |                            | 1.82              | 2.39  | 0.43 | 0.54  | Monthly Water Treatment                                                                                                                     |        |
| 22   | 80.30                         |                |        |      |          |        | 2.30     |          | 69.50      |                       |                            | 2.53              | 3.27  | 1.08 | 1.10  |                                                                                                                                             |        |
| 23   | 75.20                         |                |        |      |          |        | 2.20     |          | 63.47      |                       |                            | 2.61              | 3.32  | 0.95 | 1.01  | Total Gallons                                                                                                                               | 1940.2 |
| 24   | 71.00                         |                |        |      |          |        | 1.80     |          | 59.73      |                       |                            | 2.78              | 3.10  | 0.44 | 0.53  | Max. Day                                                                                                                                    | 94.1   |
| 25   | 66.50                         |                |        |      |          |        | 2.00     |          | 56.30      |                       |                            | 1.38              | 2.42  | 0.20 | 0.23  | Min. Day                                                                                                                                    | 0      |
| 26   | 67.30                         |                |        |      |          |        | 2.70     |          | 56.70      |                       |                            | 1.94              | 2.70  | 0.46 | 0.59  | Avg. Daily                                                                                                                                  | 64.67  |
| 27   | 65.20                         |                |        |      |          |        | 2.50     |          | 53.90      |                       |                            | 2.34              | 3.35  | 0.45 | 0.51  |                                                                                                                                             |        |
| 28   | 69.10                         |                |        |      |          |        | 2.70     |          | 58.20      |                       |                            | 1.28              | 2.24  | 0.25 | 0.28  |                                                                                                                                             |        |
| 29   | 68.20                         |                |        |      |          |        | 2.90     |          | 57.30      |                       |                            | 2.29              | 2.77  | 0.23 | 0.25  | Mail To:<br>Department of Environmental Management<br>Drinking Water Branch - MC 66-34<br>100 N. Senate Ave.<br>Indianapolis, IN 46204-2551 |        |
| 30   | 65.20                         |                |        |      |          |        | 2.40     |          | 54.30      |                       |                            | 1.43              | 1.82  | 0.33 | 0.38  |                                                                                                                                             |        |
|      |                               |                |        |      |          |        |          |          |            |                       |                            |                   |       |      |       |                                                                                                                                             |        |