

# OHA - Drinking Water Services – Turbidity Monitoring Report Conventional or Direct Filtration

County: Columbia

| Name: <u>Midland Water Assn.</u> |                |               |               |               |               |                          |                                                     |
|----------------------------------|----------------|---------------|---------------|---------------|---------------|--------------------------|-----------------------------------------------------|
| ID #41: <u>01139</u>             |                |               |               | WTP:-         |               | Month/Year: <u>10/25</u> |                                                     |
| DAY                              | 12 AM<br>[NTU] | 4 AM<br>[NTU] | 8 AM<br>[NTU] | NOON<br>[NTU] | 4 PM<br>[NTU] | 8 PM<br>[NTU]            | Highest Reading of<br>the Day <sup>1</sup><br>[NTU] |
| 1                                | .134           | .181          | .411          | plant off     | .270          | .261                     | .411                                                |
| 2                                | .278           | .193          | .158          | .130          | .118          | .114                     | .278                                                |
| 3                                | .111           | .103          | .102          | .154          | .143          | .130                     | .154                                                |
| 4                                | .131           | .131          | .127          | .120          | .122          | .120                     | .131                                                |
| 5                                | .125           | .123          | .121          | .126          | .114          | .113                     | .126                                                |
| 6                                | .122           | .113          | .110          | .111          | .164          | .103                     | .164                                                |
| 7                                | .111           | .111          | .109          | .107          | .108          | .105                     | .111                                                |
| 8                                | .107           | .105          | .103          | .142          | .126          | .126                     | .142                                                |
| 9                                | .135           | .121          | .119          | .117          | .119          | .117                     | .135                                                |
| 10                               | .236           | .161          | .135          | .125          | .119          | .125                     | .236                                                |
| 11                               | .151           | .142          | .138          | .128          | .121          | .132                     | .151                                                |
| 12                               | .135           | .133          | .123          | .118          | .127          | .139                     | .139                                                |
| 13                               | .138           | .125          | .117          | .113          | .106          | .102                     | .138                                                |
| 14                               | .102           | .124          | .097          | .097          | .118          | .117                     | .124                                                |
| 15                               | .126           | .127          | .116          | .114          | .108          | .109                     | .127                                                |
| 16                               | .118           | .118          | .107          | .114          | .109          | .112                     | .118                                                |
| 17                               | .117           | .114          | .122          | plant off     | .126          | .123                     | .126                                                |
| 18                               | .131           | .125          | .118          | .118          | .118          | .128                     | .131                                                |
| 19                               | .179           | .676          | plant off     | plant off     | .337          | .329                     | .676                                                |
| 20                               | .266           | .206          | .185          | .173          | .153          | .147                     | .266                                                |
| 21                               | .139           | .134          | .124          | plant off     | .132          | .129                     | .139                                                |
| 22                               | .134           | .132          | .128          | .122          | .118          | .121                     | .134                                                |
| 23                               | .123           | .120          | .118          | .115          | .112          | .114                     | .123                                                |
| 24                               | .121           | .117          | .116          | .219          | .356          | .996                     | .996                                                |
| 25                               | .996           | .996          | .996          | plant off     | .588          | .483                     | .996                                                |
| 26                               | .770           | .804          | .996          | plant off     | plant off     | .572                     | .996                                                |
| 27                               | .488           | .393          | .339          | .316          | .275          | .258                     | .488                                                |
| 28                               | .259           | .246          | .230          | .206          | .198          | .192                     | .259                                                |
| 29                               | .201           | .269          | .366          | plant off     | .332          | .288                     | .366                                                |
| 30                               | .262           | .251          | .231          | plant off     | .230          | .218                     | .262                                                |
| 31                               | .208           | .195          | .206          | .215          | .197          | .226                     | .226                                                |

|                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                            |                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------|
| <p><b>Conventional or Direct Filtration</b></p> <p style="text-align: center;"><b>Monthly Summary</b></p> <p>95% of the 4-hour turbidity readings ≤ 0.3 NTU? <u>Yes</u> / <u>No</u></p> <p>All the 4-hour turbidity readings ≤ 1 NTU? <u>Yes</u> / <u>No</u></p> <p>All turbidity readings &lt; IFE<sup>2</sup> triggers? <u>Yes</u> / <u>No</u><sup>2</sup></p> <p>Notes:</p> | <p style="text-align: center;"><b>Monthly Summary (Answer Yes or No)</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> CT's met everyday?<br/>(see back)<br/><u>Yes</u> / <u>No</u> </td> <td style="width: 50%;"> All Cl<sub>2</sub> residuals at entry point ≥ 0.2 mg/l?<br/><u>Yes</u> / <u>No</u> </td> </tr> </table> <p>PRINTED NAME: <u>James Dahlquist</u></p> <p>SIGNATURE: <u>[Signature]</u>      DATE: <u>11/6/2025</u></p> <p>PHONE #: <u>(503) 438-8702</u>      CERT #: <u>109-147</u></p> | CT's met everyday?<br>(see back)<br><u>Yes</u> / <u>No</u> | All Cl <sub>2</sub> residuals at entry point ≥ 0.2 mg/l?<br><u>Yes</u> / <u>No</u> |
| CT's met everyday?<br>(see back)<br><u>Yes</u> / <u>No</u>                                                                                                                                                                                                                                                                                                                     | All Cl <sub>2</sub> residuals at entry point ≥ 0.2 mg/l?<br><u>Yes</u> / <u>No</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                            |                                                                                    |

<sup>1</sup> Including continuous turbidity data, if applicable, for optimization recording purposes. Compliance values in columns "12 AM" through "8 PM" may not correspond to continuous readings' maximum.      <sup>2</sup> IFE = Individ. Filter Effl. (OAR 333-061-0040(1)(d)(B&C))



# OHA - Drinking Water Program – Surface Water Quality Data Form - *Giardia* Inactivation

Name: Midland Water Assn.

ID #41: 01139

WTP-:

Month/Year: 10/25

Log Requirement  
(Circle One): 0.5 1.0

| Date / Time            | Minimum Cl <sub>2</sub> Residual at 1 <sup>st</sup> User (C) <sup>3</sup> | Contact Time (T) | Actual CT | Temp  | pH  | Required CT | CT Met? <sup>3</sup> | Peak Hourly Demand Flow |
|------------------------|---------------------------------------------------------------------------|------------------|-----------|-------|-----|-------------|----------------------|-------------------------|
|                        | [ppm or mg/L]                                                             | [minutes]        | C X T     | [° C] |     | Use tables  | Yes / No             | [GPM]                   |
| 1/9Am                  | .967                                                                      | 75               | 72.5      | 13.5  | 7.1 | 32          | Yes                  | 91                      |
| 2/9Am                  | .940                                                                      | 75               | 70.5      | 13.2  | 7.1 | 32          | Yes                  | 91                      |
| 3/9Am                  | .940                                                                      | 75               | 70.5      | 12.8  | 7.2 | 35          | Yes                  | 91                      |
| 4/11Am                 | .75                                                                       | 75               | 56.3      | 13.6  | 7.1 | 32          | Yes                  | 91                      |
| 5/11Am                 | .96                                                                       | 75               | 72        | 12.9  | 7.2 | 34          | Yes                  | 91                      |
| 6/10Am                 | .76                                                                       | 75               | 57        | 11.6  | 7.2 | 38          | Yes                  | 91                      |
| 7/10Am                 | .92                                                                       | 75               | 69        | 11.3  | 7.2 | 37          | Yes                  | 91                      |
| 8/10 <sup>30</sup> Am  | 1.25                                                                      | 75               | 93.8      | 11.4  | 7.1 | 36          | Yes                  | 91                      |
| 9/11 <sup>30</sup> Am  | 1.00                                                                      | 75               | 75        | 10.8  | 7.2 | 41          | Yes                  | 91                      |
| 10/10 <sup>30</sup> Am | .80                                                                       | 75               | 60        | 11.4  | 7.2 | 38          | Yes                  | 91                      |
| 11/11Am                | .74                                                                       | 75               | 55.5      | 13.7  | 7.2 | 32          | Yes                  | 91                      |
| 12/2 <sup>30</sup> Pm  | .80                                                                       | 75               | 60        | 13.5  | 7.2 | 32          | Yes                  | 91                      |
| 13/11Am                | .98                                                                       | 75               | 73.5      | 10.6  | 7.2 | 38          | Yes                  | 91                      |
| 14/10 <sup>30</sup> Am | 1.04                                                                      | 75               | 78        | 9.6   | 7.2 | 43          | Yes                  | 91                      |
| 15/12 <sup>30</sup> Pm | .59                                                                       | 75               | 44.3      | 9.3   | 7.1 | 41          | Yes                  | 91                      |
| 16/10 <sup>30</sup> Am | 1.27                                                                      | 75               | 95.3      | 9.1   | 7.1 | 41          | Yes                  | 91                      |
| 17/10 <sup>30</sup> Am | 1.02                                                                      | 75               | 76.5      | 11.0  | 7.2 | 38          | Yes                  | 91                      |
| 18/7 <sup>30</sup> Am  | .73                                                                       | 75               | 54.8      | 9.8   | 7.2 | 43          | Yes                  | 91                      |
| 19/2Pm                 | .59                                                                       | 75               | 44.3      | 10.5  | 7.2 | 40          | Yes                  | 91                      |
| 20/1Pm                 | .65                                                                       | 75               | 48.8      | 10.3  | 7.1 | 37          | Yes                  | 91                      |
| 21/10Am                | 1.23                                                                      | 75               | 92.3      | 10.1  | 7.1 | 37          | Yes                  | 91                      |
| 22/11Am                | 1.54                                                                      | 75               | 115.5     | 9.8   | 7.2 | 44          | Yes                  | 91                      |
| 23/10Am                | 1.33                                                                      | 75               | 99.8      | 10.4  | 7.2 | 44          | Yes                  | 91                      |
| 24/3Pm                 | .63                                                                       | 75               | 47.3      | 10.9  | 7.2 | 43          | Yes                  | 91                      |
| 25/2Pm                 | .61                                                                       | 75               | 45.8      | 10.6  | 7.1 | 37          | Yes                  | 91                      |
| 26/10Am                | .64                                                                       | 75               | 48        | 9.8   | 7.1 | 40          | Yes                  | 91                      |
| 27/10 <sup>30</sup> Am | 1.06                                                                      | 75               | 79.5      | 9.2   | 7.1 | 40          | Yes                  | 91                      |
| 28/9Am                 | .62                                                                       | 75               | 46.5      | 9.1   | 7.2 | 43          | Yes                  | 91                      |
| 29/10 <sup>30</sup> Am | .94                                                                       | 75               | 70.5      | 10.2  | 7.1 | 37          | Yes                  | 91                      |
| 30/10 <sup>30</sup> Am | 1.66                                                                      | 75               | 124.5     | 10.3  | 7.2 | 40          | Yes                  | 91                      |
| 31/11Am                | .68                                                                       | 75               | 51        | 9.3   | 7.2 | 46          | Yes                  | 91                      |

<sup>3</sup> If Cl<sub>2</sub> at entry point < 0.2 mg/l, OR CT not met, notify DWS within 24 hours

Revised November 2022

Download form at: [public.health.oregon.gov/HealthyEnvironments/DrinkingWater/Monitoring/Documents/turb-conv-direct.pdf](https://public.health.oregon.gov/HealthyEnvironments/DrinkingWater/Monitoring/Documents/turb-conv-direct.pdf)

**Return by 10<sup>th</sup> of following month by email, fax, or mail to:**

dwp.dmce@oha.oregon.gov; 971-673-0694; or Drinking Water Services, PO Box 14350, Portland, OR 97293-0350