

**OHA - Drinking Water Program - Turbidity Monitoring Report Form County: Clatsop**  
**Slow Sand, Membrane, Diatomaceous Earth Filtration, or Unfiltered Systems**

SYSTEM NAME: **Warrenton**

ID#: **4100932-A**

Month/Year Feb. 2023

| DAY       | 12AM<br>(NTU) | 4 AM<br>(NTU) | 8 AM<br>(NTU) | NOON<br>(NTU) | 4 PM<br>(NTU) | 8 PM<br>(NTU) | Highest Reading<br>(NTU) |
|-----------|---------------|---------------|---------------|---------------|---------------|---------------|--------------------------|
| <b>1</b>  | 0.06          | 0.06          | 0.06          | 0.05          | 0.05          | 0.06          | 0.06                     |
| <b>2</b>  | 0.06          | 0.06          | 0.06          | 0.07          | 0.07          | 0.07          | 0.07                     |
| <b>3</b>  | 0.05          | 0.05          | 0.04          | 0.04          | 0.06          | 0.06          | 0.06                     |
| <b>4</b>  | 0.05          | 0.05          | 0.06          | 0.05          | 0.05          | 0.05          | 0.06                     |
| <b>5</b>  | 0.04          | 0.04          | 0.04          | 0.04          | 0.04          | 0.06          | 0.06                     |
| <b>6</b>  | 0.05          | 0.05          | 0.05          | 0.06          | 0.06          | 0.05          | 0.06                     |
| <b>7</b>  | 0.06          | 0.05          | 0.05          | 0.06          | 0.05          | 0.05          | 0.06                     |
| <b>8</b>  | 0.05          | 0.04          | 0.05          | 0.04          | 0.04          | 0.05          | 0.05                     |
| <b>9</b>  | 0.05          | 0.04          | 0.04          | 0.05          | 0.05          | 0.05          | 0.05                     |
| <b>10</b> | 0.05          | 0.05          | 0.04          | 0.04          | 0.05          | 0.05          | 0.05                     |
| <b>11</b> | 0.04          | 0.05          | 0.06          | 0.05          | 0.06          | 0.05          | 0.06                     |
| <b>12</b> | 0.05          | 0.05          | 0.04          | 0.05          | 0.04          | 0.04          | 0.05                     |
| <b>13</b> | 0.04          | 0.05          | 0.05          | 0.04          | 0.05          | 0.04          | 0.05                     |
| <b>14</b> | 0.06          | 0.05          | 0.04          | 0.05          | 0.05          | 0.04          | 0.06                     |
| <b>15</b> | 0.04          | 0.05          | 0.04          | 0.05          | 0.04          | 0.04          | 0.05                     |
| <b>16</b> | 0.04          | 0.04          | 0.04          | 0.04          | 0.04          | 0.05          | 0.05                     |
| <b>17</b> | 0.04          | 0.04          | 0.11          | 0.08          | 0.04          | 0.07          | 0.11                     |
| <b>18</b> | 0.05          | 0.05          | 0.05          | 0.04          | 0.05          | 0.05          | 0.05                     |
| <b>19</b> | 0.05          | 0.04          | 0.06          | 0.05          | 0.06          | 0.05          | 0.06                     |
| <b>20</b> | 0.04          | 0.05          | 0.06          | 0.05          | 0.04          | 0.04          | 0.06                     |
| <b>21</b> | 0.05          | 0.04          | 0.04          | 0.06          | 0.04          | 0.04          | 0.06                     |
| <b>22</b> | 0.04          | 0.04          | 0.04          | 0.04          | 0.05          | 0.05          | 0.05                     |
| <b>23</b> | 0.05          | 0.05          | 0.05          | 0.05          | 0.04          | 0.05          | 0.05                     |
| <b>24</b> | 0.04          | 0.05          | 0.05          | 0.05          | 0.04          | 0.05          | 0.05                     |
| <b>25</b> | 0.04          | 0.03          | 0.04          | 0.04          | 0.05          | 0.05          | 0.05                     |
| <b>26</b> | 0.05          | 0.04          | 0.04          | 0.04          | 0.04          | 0.05          | 0.05                     |
| <b>27</b> | 0.04          | 0.04          | 0.05          | 0.05          | 0.04          | 0.04          | 0.05                     |
| <b>28</b> | 0.05          | 0.04          | 0.04          | 0.05          | 0.04          | 0.04          | 0.05                     |
| <b>29</b> |               |               |               |               |               |               |                          |
| <b>30</b> |               |               |               |               |               |               |                          |
| <b>31</b> |               |               |               |               |               |               |                          |

|                                         |            |                                                                                                           |                               |
|-----------------------------------------|------------|-----------------------------------------------------------------------------------------------------------|-------------------------------|
| <b>Membrane</b>                         |            | <b>Monthly Summary (Answers Yes or No)</b>                                                                |                               |
| 95% of Daily Turbidity Readings < 1 NTU | <b>YES</b> | All                                                                                                       | CT's met everyday? <b>YES</b> |
| Daily Turbidity readings < 5 NTU        | <b>YES</b> |                                                                                                           |                               |
| <b>NOTES:</b>                           |            | <b>PRINTED NAME: Dave Davis</b>                                                                           |                               |
|                                         |            | <b>SIGNATURE:</b><br> | <b>DATE: 3-1-2023</b>         |
|                                         |            | <b>PHONE #: (503) 738-7809</b>                                                                            | <b>CERT #: T-08549</b>        |

<sup>1</sup> Including continuous turbidity data, if applicable, for optimization recording purposes. Compliance values in columns "12AM"

through "8 PM" may not correspond to continuous readings' maximum. <sup>2</sup> Filtered systems only.

# OHA - Drinking Water Program - Surface Water Quality Data Form

SYSTEM NAME: **Warrenton**

ID# **4100932**

Month/Year **FEB. 2023**

| Date / Time | Min. Cl <sub>2</sub><br>Residual At 1st<br>User (C) | Clearwell<br>Volume | Contact<br>Time (T) | Actual<br>CT | Temp | pH  | Required<br>CT | CT<br>Met | Peak<br>Hourly<br>Flow |
|-------------|-----------------------------------------------------|---------------------|---------------------|--------------|------|-----|----------------|-----------|------------------------|
|             | (ppm or mg/l)                                       | (MG)                | (minutes)           | (C x T)      | °C   |     | (CT Tables)    | Yes / No  | (gpm)                  |
| 1 / 7:30    | 1.2                                                 | 3.3                 | 341                 | 409          | 5    | 8.5 | 45             | yes       | 774                    |
| 2 / 7:30    | 1.2                                                 | 3.3                 | 341                 | 409          | 5    | 7.5 | 31             | yes       | 774                    |
| 3 / 7:30    | 1.2                                                 | 3.3                 | 348                 | 417          | 5    | 7.5 | 31             | yes       | 759                    |
| 4 / 7:30    | 1.2                                                 | 3.3                 | 358                 | 429          | 5    | 7.5 | 31             | yes       | 738                    |
| 5 / 7:30    | 1.2                                                 | 3.3                 | 373                 | 447          | 5    | 7.5 | 31             | yes       | 709                    |
| 6 / 7:30    | 1.2                                                 | 3.3                 | 358                 | 429          | 5    | 7.5 | 31             | yes       | 738                    |
| 7 / 7:30    | 1.2                                                 | 3.3                 | 356                 | 427          | 5    | 7.5 | 31             | yes       | 743                    |
| 8 / 7:30    | 1.2                                                 | 3.3                 | 337                 | 389          | 5    | 7.5 | 31             | yes       | 784                    |
| 9 / 7:30    | 1.4                                                 | 3.3                 | 313                 | 438          | 5    | 7.5 | 31             | yes       | 844                    |
| 10 / 7:30   | 1.2                                                 | 3.3                 | 313                 | 366          | 5    | 7.5 | 31             | yes       | 842                    |
| 11 / 7:30   | 1.2                                                 | 3.3                 | 318                 | 381          | 5    | 7.5 | 31             | yes       | 831                    |
| 12 / 7:30   | 1.2                                                 | 3.3                 | 327                 | 392          | 5    | 7.5 | 31             | yes       | 808                    |
| 13 / 7:30   | 1.2                                                 | 3.3                 | 344                 | 423          | 5    | 7.5 | 31             | yes       | 768                    |
| 14 / 7:30   | 1.2                                                 | 3.3                 | 361                 | 433          | 5    | 7.5 | 31             | yes       | 732                    |
| 15 / 7:30   | 1.2                                                 | 3.3                 | 356                 | 440          | 5    | 7.5 | 31             | yes       | 742                    |
| 16 / 7:30   | 1.2                                                 | 3.3                 | 360                 | 416          | 5    | 7.5 | 31             | yes       | 733                    |
| 17 / 7:30   | 1.2                                                 | 3.3                 | 350                 | 420          | 5    | 7.5 | 31             | yes       | 754                    |
| 18 / 7:30   | 1.2                                                 | 3.3                 | 350                 | 420          | 5    | 7.5 | 31             | yes       | 754                    |
| 19 / 7:30   | 1.2                                                 | 3.3                 | 358                 | 430          | 5    | 7.5 | 31             | yes       | 737                    |
| 20 / 7:30   | 1.2                                                 | 3.3                 | 347                 | 417          | 5    | 7.5 | 31             | yes       | 760                    |
| 21 / 7:30   | 1.2                                                 | 3.3                 | 361                 | 419          | 5    | 7.5 | 31             | yes       | 732                    |
| 22 / 7:30   | 1.2                                                 | 3.3                 | 363                 | 421          | 5    | 7.5 | 31             | yes       | 728                    |
| 23 / 7:30   | 1.2                                                 | 3.3                 | 365                 | 421          | 5    | 7.5 | 31             | yes       | 724                    |
| 24 / 7:30   | 1.2                                                 | 3.3                 | 350                 | 406          | 0.5  | 7.5 | 43             | yes       | 754                    |
| 25 / 7:30   | 1.2                                                 | 3.3                 | 347                 | 405          | 0.5  | 8.0 | 52             | yes       | 762                    |
| 26 / 7:30   | 1.2                                                 | 3.3                 | 376                 | 434          | 5    | 7.5 | 31             | yes       | 702                    |
| 27 / 7:30   | 1.2                                                 | 3.3                 | 366                 | 439          | 5    | 7.5 | 31             | yes       | 722                    |
| 28 / 7:30   | 1.2                                                 | 3.3                 | 368                 | 441          | 5    | 7.5 | 31             | yes       | 718                    |
|             |                                                     |                     |                     |              |      |     |                |           |                        |
|             |                                                     |                     |                     |              |      |     |                |           |                        |
|             |                                                     |                     |                     |              |      |     |                |           |                        |

If CL<sub>2</sub> at entry point < 0.2 mg/l OR CT not met, DWP by end of next business day.

PRINT NAME: Dave Davis

SIGNATURE:



DATE: **3-1-2023**

CERT#: T-08549

PHONE#: **(503)738-7809**

# DAILY TURBIDITY, CHLORINE, AND PRODUCTION REPORT

SYSTEM NAME: **Warrenton** ID# **4100932** PLANT OPERATOR: Dave Davis MONTH/YEAR Feb. 2023

| DAY     | TIME | Water Prod.(x-1000,MGD) |                |                     | N.T.U.    |                | Temp          | CL2 Test (0.8% Sodium Hypochlorite) |                       |                  |               |                | PH          | Fluoride          | ACH                 |
|---------|------|-------------------------|----------------|---------------------|-----------|----------------|---------------|-------------------------------------|-----------------------|------------------|---------------|----------------|-------------|-------------------|---------------------|
|         |      | Feed Flow               | Backwash Water | Waste-Filtrate Flow | Raw Water | Filtrate Water | Water Temp C° | Dosage Setting                      | Chlorine Used (gals.) | Dry Pounds (lbs) | Dist CL2 mg/l | CL2 Lab Sample | Filtrate PH | Fluoride Residual | Dosage mg/l Setting |
| 1       | 7:30 | 1303                    | 234            | 1069                | 3.5       | 0.03           | 5             | 1.4                                 | 181                   | 12               | 1.1           | 1.1            | 8.1         | 0.7               | 7                   |
| 2       | 7:30 | 1280                    | 261            | 1019                | 11.5      | 0.03           | 6             | 1.3                                 | 169                   | 11               | 1.1           | 1.1            | 7.5         | 0.7               | 7                   |
| 3       | 7:30 | 1269                    | 243            | 1026                | 3.2       | 0.03           | 6             | 1.3                                 | 164                   | 11               | 1.1           | 1.1            | 7.3         | 0.8               | 7                   |
| 4       | 7:30 | 1205                    | 222            | 983                 | 2.4       | 0.03           | 7             | 1.3                                 | 156                   | 10               | 1.1           | 1.1            | 7.3         | 0.8               | 7                   |
| 5       | 7:30 | 1192                    | 228            | 964                 | 3.7       | 0.03           | 7             | 1.3                                 | 155                   | 10               | 1.1           | 1.1            | 7.2         | 0.8               | 7                   |
| 6       | 7:30 | 1160                    | 213            | 947                 | 2.6       | 0.03           | 7             | 1.4                                 | 160                   | 11               | 1.1           | 1.1            | 7.2         | 0.7               | 7                   |
| 7       | 7:30 | 1231                    | 224            | 1007                | 3.3       | 0.03           | 8             | 1.4                                 | 173                   | 12               | 1.1           | 1.1            | 7.3         | 0.7               | 7                   |
| 8       | 7:30 | 1232                    | 231            | 1001                | 2.3       | 0.04           | 7             | 1.4                                 | 169                   | 11               | 1.2           | 1.1            | 7.3         | 0.7               | 7                   |
| 9       | 7:30 | 1339                    | 236            | 1103                | 1.4       | 0.03           | 7             | 1.3                                 | 180                   | 12               | 1.3           | 1.1            | 7.3         | 0.8               | 7                   |
| 10      | 7:30 | 1328                    | 235            | 1093                | 1.8       | 0.03           | 8             | 1.2                                 | 168                   | 11               | 1.2           | 1.1            | 7.2         | 0.9               | 7                   |
| 11      | 7:30 | 1336                    | 230            | 1106                | 1.8       | 0.03           | 7             | 1.2                                 | 162                   | 11               | 1.1           | 1.1            | 7.2         | 0.8               | 7                   |
| 12      | 7:30 | 1316                    | 229            | 1087                | 0.6       | 0.04           | 6             | 1.2                                 | 159                   | 11               | 1.1           | 1.2            | 7.4         | 0.7               | 7                   |
| 13      | 7:30 | 1233                    | 210            | 1023                | 0.7       | 0.03           | 6             | 1.2                                 | 153                   | 10               | 1.2           | 1.2            | 7.3         | 0.7               | 7                   |
| 14      | 7:30 | 1195                    | 218            | 977                 | 1.8       | 0.03           | 5             | 1.2                                 | 144                   | 10               | 1.1           | 1.2            | 7.2         | 0.7               | 7                   |
| 15      | 7:30 | 1174                    | 211            | 963                 | 1.3       | 0.03           | 5             | 1.3                                 | 144                   | 10               | 1.2           | 1.1            | 7.3         | 0.6               | 7                   |
| 16      | 7:30 | 1190                    | 208            | 982                 | 1.4       | 0.03           | 5             | 1.4                                 | 161                   | 11               | 1.2           | 1.1            | 7.4         | 0.6               | 7                   |
| 17      | 7:30 | 1178                    | 208            | 970                 | 1.6       | 0.03           | 6             | 1.4                                 | 163                   | 11               | 1.1           | 1.1            | 7.4         | 0.7               | 7                   |
| 18      | 7:30 | 1225                    | 223            | 1002                | 1.7       | 0.03           | 6             | 1.5                                 | 175                   | 12               | 1.1           | 1.1            | 7.3         | 0.7               | 7                   |
| 19      | 7:30 | 1176                    | 204            | 972                 | 1.8       | 0.03           | 7             | 1.5                                 | 172                   | 11               | 1.1           | 1.1            | 7.4         | 0.7               | 7                   |
| 20      | 7:30 | 1202                    | 218            | 984                 | 2.2       | 0.03           | 7             | 1.5                                 | 175                   | 12               | 1.1           | 1.1            | 7.5         | 0.7               | 7                   |
| 21      | 7:30 | 1221                    | 226            | 995                 | 2.5       | 0.03           | 6             | 1.5                                 | 174                   | 12               | 1.2           | 1.1            | 7.5         | 0.7               | 7                   |
| 22      | 7:30 | 1196                    | 217            | 979                 | 2.9       | 0.03           | 6             | 1.5                                 | 170                   | 11               | 1.2           | 1.1            | 7.4         | 0.7               | 7                   |
| 23      | 7:30 | 1173                    | 213            | 960                 | 1.7       | 0.03           | 5             | 1.4                                 | 164                   | 11               | 1.2           | 1.1            | 7.4         | 0.7               | 7                   |
| 24      | 7:30 | 1198                    | 214            | 984                 | 1.3       | 0.03           | 4             | 1.4                                 | 161                   | 11               | 1.2           | 1.1            | 7.4         | 0.7               | 7                   |
| 25      | 7:30 | 1201                    | 215            | 986                 | 1.5       | 0.03           | 4             | 1.4                                 | 155                   | 10               | 1.2           | 1.1            | 7.6         | 0.7               | 7                   |
| 26      | 7:30 | 1149                    | 216            | 933                 | 2.5       | 0.03           | 5             | 1.4                                 | 149                   | 10               | 1.2           | 1.1            | 7.4         | 0.7               | 7                   |
| 27      | 7:30 | 1143                    | 206            | 937                 | 1.8       | 0.03           | 5             | 1.3                                 | 148                   | 10               | 1.1           | 1.1            | 7.5         | 0.8               | 7                   |
| 28      | 7:30 | 1159                    | 214            | 945                 | 1.7       | 0.03           | 5             | 1.3                                 | 145                   | 10               | 1.1           | 1.1            | 7.4         | 0.7               | 7                   |
|         |      |                         |                |                     |           |                |               |                                     |                       |                  |               |                |             |                   |                     |
|         |      |                         |                |                     |           |                |               |                                     |                       |                  |               |                |             |                   |                     |
|         |      |                         |                |                     |           |                |               |                                     |                       |                  |               |                |             |                   |                     |
| Total   |      | 34204                   | 6207           | 27997               | 66.8      | 0.84           | 168           | 37.9                                | 4549                  | 305              | 31.8          | 31.1           | 206.4       | 20.2              | N/A                 |
| Minimum |      | 1143                    | 204            | 933                 | 0.6       | 0.03           | 4             | 1.2                                 | 144                   | 10               | 1.1           | 1.1            | 7.2         | 0.6               |                     |
| Maximum |      | 1339                    | 261            | 1106                | 11.5      | 0.04           | 8             | 1.5                                 | 181                   | 12               | 1.3           | 1.2            | 8.1         | 0.9               |                     |
| Average |      | 1222                    | 222            | 1000                | 2.4       | 0.03           | 6             | 1.4                                 | 162                   | 11               | 1.1           | 1.1            | 7.4         | 0.7               |                     |

DATE: **3-1-2023**

CERT#: **T-08549**

PHONE #: **(503)738-7809**

SIGNATURE:

*Dave Davis*