

OHA - Drinking Water Services -Turbidity Monitoring Report Form

County: Yamhill

Conventional or Direct Filtration

Month/Year: Aug-23

| System Name: | City of Willamina |            | ID#: 41    | 00953      |            |            | WTP : TP - A                                  |
|--------------|-------------------|------------|------------|------------|------------|------------|---|
| Day          | 12 AM [NTU]       | 4 AM [NTU] | 8 AM [NTU] | NOON [NTU] | 4 PM [NTU] | 8 PM [NTU] | Highest Reading of the Day <sup>1</sup> [NTU] |
| 1            | 0.027             | 0.022      | 0.089      | 0.019      | 0.019      | 0.019      | 0.110   |
| 2            | 0.021             | 0.021      | 0.089      | 0.019      | off        | 0.018      | 0.104   |
| 3            | 0.020             | 0.019      | 0.021      | 0.019      | 0.020      | 0.019      | 0.074   |
| 4            | 0.019             | off        | off        | 0.021      | 0.021      | 0.021      | 0.060   |
| 5            | 0.021             | off        | off        | 0.021      | 0.019      | 0.019      | 0.060   |
| 6            | 0.021             | 0.019      | off        | 0.021      | 0.032      | 0.030      | 0.064   |
| 7            | 0.027             | off        | 0.042      | 0.042      | 0.022      | 0.020      | 0.072   |
| 8            | 0.019             | 0.023      | 0.019      | 0.023      | 0.047      | 0.047      | 0.042   |
| 9            | 0.031             | 0.031      | 0.029      | 0.029      | 0.030      | 0.026      | 0.053   |
| 10           | 0.026             | 0.046      | 0.026      | 0.026      | off        | 0.026      | 0.066   |
| 11           | 0.027             | 0.026      | 0.026      | 0.026      | off        | 0.031      | 0.088   |
| 12           | 0.031             | 0.027      | 0.027      | 0.027      | 0.027      | 0.027      | 0.068   |
| 13           | 0.027             | 0.027      | 0.027      | 0.027      | 0.027      | 0.027      | 0.072   |
| 14           | 0.029             | 0.027      | 0.027      | 0.022      | 0.022      | 0.022      | 0.106   |
| 15           | 0.022             | 0.022      | 0.022      | 0.022      | 0.022      | 0.024      | 0.082   |
| 16           | 0.028             | 0.022      | 0.024      | 0.024      | 0.023      | 0.025      | 0.051   |
| 17           | 0.020             | 0.023      | 0.024      | 0.022      | 0.021      | 0.022      | 0.042   |
| 18           | 0.022             | 0.022      | 0.025      | 0.022      | 0.022      | 0.085      | 0.088   |
| 19           | 0.022             | 0.022      | 0.025      | off        | off        | off        | 0.209   |
| 20           | 0.023             | 0.024      | 0.025      | 0.022      | 0.022      | 0.024      | 0.061   |
| 21           | 0.024             | 0.022      | 0.026      | 0.024      | off        | 0.022      | 0.049   |
| 22           | 0.024             | 0.025      | 0.024      | off        | off        | off        | 0.047   |
| 23           | off               | off        | 0.020      | 0.022      | 0.024      | 0.021      | 0.038   |
| 24           | 0.022             | 0.020      | 0.020      | 0.022      | 0.024      | 0.021      | 0.053   |
| 25           | 0.023             | off        | 0.033      | 0.037      | 0.040      | 0.034      | 0.115   |
| 26           | 0.037             | 0.029      | 0.039      | 0.029      | 0.029      | 0.029      | 0.110   |
| 27           | 0.027             | 0.033      | 0.036      | 0.033      | 0.040      | 0.038      | 0.198   |
| 28           | 0.037             | 0.027      | 0.034      | 0.031      | 0.033      | off        | 0.040   |
| 29           | 0.029             | 0.033      | 0.031      | 0.027      | 0.024      | 0.022      | 0.038   |
| 30           | 0.027             | 0.028      | 0.027      | off        | 0.027      | 0.035      | 0.049   |
| 31           | 0.027             | 0.027      | 0.053      | 0.029      | 0.029      | 0.028      | 0.084   |

| Conventional or Direct Filtration                  | Monthly Summary (Answer Yes or No) |   |
|--|------------------------------------|---|
| 95% of 4-hour turbidity readings ≤ 0.3 NTU?        | Yes / No                           | CT's met everyday? (see back)               |
| All 4-hour turbidity readings ≤ 1 NTU?             | Yes / No                           | All Cl2 residual at entry point ≥ 0.2 mg/l? |
| All turbidity readings < IFE <sup>2</sup> triggers | Yes / No                           |   |

Notes:

PRINTED NAME: Justin L. Jones

SIGNATURE: *[Signature]* DATE: 9/15/23

PHONE #: (503) 876-2242 CERT #: 6997

<sup>1</sup> Including continuous NTU 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. (333-061-0040(1)(d)(B&C))

OHA - Drinking Water Program - Surface Water Quality Data Form

WTP - : A

|              |                   |         |       |             |        |   |     |
|--------------|-------------------|---------|-------|-------------|--------|---|-----|
| System Name: | City of Willamina | ID#: 41 | 00953 | Month/Year: | Aug-23 | Disinfection<br>Giardia Log<br>Inactiv: | 0.5 |
|--------------|-------------------|---------|-------|-------------|--------|---|-----|

| Date / Time | Residual at 1st User (C) <sub>3</sub> | 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] |       | formula     | Yes / No             | [GPM]                   |     |
| 1           | 830                                   | 1.01             | 100       | 101   | 21.6  | 7.56        | 10.8                 | YES                     | 410 |
| 2           | 1100                                  | 0.81             | 100       | 81    | 22.7  | 7.65        | 10.1                 | YES                     | 380 |
| 3           | 1100                                  | 1.01             | 100       | 101   | 22.2  | 7.62        | 10.6                 | YES                     | 394 |
| 4           | 930                                   | 0.96             | 100       | 96    | 22.0  | 7.63        | 10.7                 | YES                     | 839 |
| 5           | 930                                   | 1.10             | 100       | 110   | 22.3  | 7.73        | 11.1                 | YES                     | 239 |
| 6           | 1000                                  | 1.10             | 100       | 110   | 22.5  | 7.65        | 10.6                 | YES                     | 275 |
| 7           | 930                                   | 1.06             | 100       | 106   | 22.5  | 7.66        | 10.6                 | YES                     | 331 |
| 8           | 1100                                  | 0.99             | 100       | 99    | 23.4  | 7.65        | 9.9                  | YES                     | 467 |
| 9           | 800                                   | 1.05             | 100       | 105   | 23.1  | 7.68        | 10.2                 | YES                     | 382 |
| 10          | 930                                   | 0.97             | 100       | 97    | 22.2  | 7.63        | 10.6                 | YES                     | 822 |
| 11          | 800                                   | 1.04             | 100       | 104   | 22.00 | 7.60        | 10.7                 | YES                     | 783 |
| 12          | 1030                                  | 1.06             | 100       | 106   | 22.10 | 7.61        | 10.7                 | YES                     | 934 |
| 13          | 1100                                  | 1.09             | 100       | 109   | 22.50 | 7.59        | 10.4                 | YES                     | 351 |
| 14          | 730                                   | 1.04             | 100       | 104   | 22.60 | 7.60        | 10.3                 | YES                     | 372 |
| 15          | 800                                   | 1.04             | 100       | 104   | 24.00 | 7.58        | 9.3                  | YES                     | 373 |
| 16          | 1300                                  | 1.03             | 100       | 103   | 26.20 | 7.63        | 8.1                  | YES                     | 563 |
| 17          | 800                                   | 1.13             | 100       | 113   | 24.80 | 7.61        | 9.0                  | YES                     | 816 |
| 18          | 700                                   | 1.01             | 100       | 101   | 23.80 | 7.55        | 9.3                  | YES                     | 871 |
| 19          | 800                                   | 0.98             | 100       | 98    | 22.90 | 7.60        | 10.0                 | YES                     | 313 |
| 20          | 830                                   | 0.98             | 100       | 98    | 21.80 | 7.61        | 10.8                 | YES                     | 324 |
| 21          | 1000                                  | 1.04             | 100       | 104   | 23.60 | 7.60        | 9.6                  | YES                     | 320 |
| 22          | 900                                   | 1.05             | 100       | 105   | 22.00 | 7.68        | 11.0                 | YES                     | 339 |
| 23          | 1100                                  | 0.98             | 100       | 98    | 20.40 | 7.62        | 11.9                 | YES                     | 397 |
| 24          | 830                                   | 1.19             | 100       | 119   | 20.50 | 7.63        | 12.2                 | YES                     | 861 |
| 25          | 900                                   | 1.15             | 100       | 115   | 21.30 | 7.60        | 11.4                 | YES                     | 713 |
| 26          | 900                                   | 1.15             | 100       | 115   | 21.30 | 7.63        | 11.5                 | YES                     | 262 |
| 27          | 730                                   | 1.14             | 100       | 114   | 21.40 | 7.42        | 10.5                 | YES                     | 270 |
| 28          | 830                                   | 1.82             | 100       | 182   | 22.00 | 7.58        | 11.6                 | YES                     | 528 |
| 29          | 830                                   | 0.95             | 100       | 95    | 21.80 | 7.56        | 10.6                 | YES                     | 302 |
| 30          | 1300                                  | 0.92             | 100       | 92    | 22.00 | 7.64        | 10.7                 | YES                     | 344 |
| 31          | 1300                                  | 0.96             | 100       | 96    | 20.40 | 7.56        | 11.6                 | YES                     | 363 |

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

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Return by 10th of following month by email, fax, or mail to:

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