

# OHA - DWS

## Membrane Filter Monthly Operating Report

County: Douglas

System Name: Winston Dillard Water District

Month/Year: April-24

PWS ID#: 41 - 00957

Minimum test pressure **applied** || **req'd**: 27.07 psi || 27.00 psi

Plant ID: WTP - 4100957

DIT = Direct Integrity Test on filter(s) [Yes, No, or "off" if all filters are offline] ⇔

PDR = Pressure Decay Rate

LRC = Log Removal Credit

| Day | CFE Daily Turbidity [NTU] | Highest CFE* [NTU] | Highest IFE [NTU] (>15 min duration) | PDR <sub>Max</sub> [ <sup>psi</sup> / <sub>min</sub> ] | LRC [log removal] | DIT Daily<br>[Y/N] or "off" |
|-----|---------------------------|--------------------|--------------------------------------|--|-------------------|-----------------------------|
|     |                           |                    |                                      | 0.09   | 4.00              |                             |
| 1   | 0.021                     | 0.021              | 0.026                                | 0.01   | 4.649             | y                           |
| 2   | 0.014                     | 0.014              | 0.022                                | 0.02   | 4.814             | y                           |
| 3   | 0.027                     | 0.027              | 0.022                                | 0.02   | 4.800             | y                           |
| 4   | 0.025                     | 0.025              | 0.022                                | 0.02   | 4.875             | y                           |
| 5   | 0.014                     | 0.014              | 0.023                                | 0.02   | 4.787             | y                           |
| 6   | 0.014                     | 0.014              | 0.022                                | 0.02   | 4.785             | y                           |
| 7   | 0.021                     | 0.021              | 0.022                                | 0.02   | 4.784             | y                           |
| 8   | 0.018                     | 0.018              | 0.022                                | 0.02   | 4.802             | y                           |
| 9   | 0.014                     | 0.014              | 0.022                                | 0.02   | 4.842             | y                           |
| 10  | 0.019                     | 0.019              | 0.022                                | 0.02   | 4.820             | y                           |
| 11  | 0.019                     | 0.019              | 0.023                                | 0.06   | 4.822             | y                           |
| 12  | 0.022                     | 0.022              | 0.027                                | 0.02   | 4.842             | y                           |
| 13  | 0.014                     | 0.014              | 0.022                                | 0.02   | 4.731             | y                           |
| 14  | 0.023                     | 0.023              | 0.022                                | 0.01   | 5.039             | y                           |
| 15  | 0.013                     | 0.013              | 0.022                                | 0.02   | 4.823             | y                           |
| 16  | 0.021                     | 0.021              | 0.024                                | 0.02   | 4.727             | y                           |
| 17  | 0.027                     | 0.027              | 0.023                                | 0.02   | 4.796             | y                           |
| 18  | 0.022                     | 0.022              | 0.023                                | 0.02   | 4.819             | y                           |
| 19  | 0.016                     | 0.016              | 0.023                                | 0.02   | 4.786             | y                           |
| 20  | 0.021                     | 0.021              | 0.024                                | 0.01   | 5.085             | y                           |
| 21  | 0.013                     | 0.013              | 0.022                                | 0.02   | 4.803             | y                           |
| 22  | 0.024                     | 0.024              | 0.022                                | 0.02   | 4.808             | y                           |
| 23  | 0.022                     | 0.022              | 0.025                                | 0.02   | 4.880             | y                           |
| 24  | 0.018                     | 0.018              | 0.028                                | 0.02   | 4.815             | y                           |
| 25  | 0.017                     | 0.017              | 0.022                                | 0.02   | 4.785             | y                           |
| 26  | 0.026                     | 0.026              | 0.022                                | 0.02   | 4.782             | y                           |
| 27  | 0.023                     | 0.023              | 0.022                                | 0.02   | 4.783             | y                           |
| 28  | 0.018                     | 0.018              | 0.022                                | 0.02   | 4.792             | y                           |
| 29  | 0.019                     | 0.019              | 0.022                                | 0.02   | 4.773             | y                           |
| 30  | 0.018                     | 0.018              | 0.022                                | 0.02   | 4.770             | y                           |

**Compliance summary (operator to complete any blank fields)**

|  |  |  |   |            |
|--|--|--|---|------------|
| 95% of daily turbidity readings ≤ 1 NTU? [Y/N] | All turbidity readings ≤ 5 NTU? [Y/N]          | All IFE turbidity readings ≤ 0.15 NTU? [Y/N] | Performance std met? [Y/N] (PDR ≤ PDR <sub>Max</sub> , LRV ≥ LRC) | DIT Daily? |
| Yes  | Yes  | Yes  | Yes   | Yes        |
| CT's met daily? (p. 2)                         | All Cl <sub>2</sub> residual at EP ≥ 0.2 mg/L? | PDR ≤ PDR <sub>Max</sub> ?                   | LRV <sub>ambient</sub> ≥ LRC?                                     |            |
| Yes  | Yes  | Yes  | Yes   |            |

**PRINTED NAME:** Derek Osterman      **DATE:** 5/1/2024  
**SIGNATURE:** Derek Osterman      **WT CERT #:** T-08919  
**PHONE #:** (541)679-8467

♣ Used for optimization purposes only.

# OHA-DWS

## Disinfection Monthly Operating Report

System Name: Winston Dillard Water District

PWS ID#: 41 - 00957

Plant ID : WTP - 4100957

**0.5**

↔ Log  
Inactivation  
Required via  
Disinfection

| Day | Minimum Cl <sub>2</sub> Residual at 1 <sup>st</sup> User ( C ) ♦<br>[mg/L = ppm] | Contact Time (T)<br>[minutes] | Actual CT<br>C x T<br>(Formula) | Temp<br>[° C] | pH   | Required CT<br>(Formula) | CT Met? ♦<br>[Yes / No]<br>(Formula) | Peak Hourly Demand Flow<br>[GPM] | Notes<br>(e.g. "Plant Off") |
|-----|--|-------------------------------|---------------------------------|---------------|------|--------------------------|--------------------------------------|----------------------------------|-----------------------------|
| 1   | 1.00   | 82.9                          | 82.9                            | 9.8           | 7.52 | 23.5                     | YES                                  | 879                              |                             |
| 2   | 1.02   | 49.0                          | 50.0                            | 10.3          | 7.59 | 23.3                     | YES                                  | 1,486                            |                             |
| 3   | 1.04   | 49.1                          | 51.1                            | 9.5           | 7.63 | 25.0                     | YES                                  | 1,483                            |                             |
| 4   | 1.00   | 55.4                          | 55.4                            | 10.4          | 7.59 | 23.1                     | YES                                  | 1,314                            |                             |
| 5   | 1.09   | 56.0                          | 61.0                            | 10.5          | 8.10 | 27.8                     | YES                                  | 1,299                            |                             |
| 6   | 1.10   | 55.7                          | 61.3                            | 9.4           | 7.91 | 28.0                     | YES                                  | 1,308                            |                             |
| 7   | 1.30   | 55.4                          | 72.0                            | 10.5          | 7.82 | 25.8                     | YES                                  | 1,316                            |                             |
| 8   | 1.26   | 55.9                          | 70.4                            | 10.3          | 7.52 | 23.4                     | YES                                  | 1,303                            |                             |
| 9   | 1.22   | 55.4                          | 67.6                            | 11.9          | 7.73 | 22.5                     | YES                                  | 1,316                            |                             |
| 10  | 1.26   | 55.6                          | 70.1                            | 12.5          | 8.03 | 24.2                     | YES                                  | 1,310                            |                             |
| 11  | 1.14   | 55.7                          | 63.5                            | 12.3          | 7.83 | 22.5                     | YES                                  | 1,307                            |                             |
| 12  | 1.08   | 55.7                          | 60.2                            | 13.1          | 7.77 | 20.7                     | YES                                  | 1,309                            |                             |
| 13  | 1.21   | 53.0                          | 64.1                            | 15.1          | 7.77 | 18.4                     | YES                                  | 1,374                            |                             |
| 14  | 1.12   | 83.3                          | 93.3                            | 12.0          | 7.66 | 21.6                     | YES                                  | 875                              |                             |
| 15  | 1.16   | 50.9                          | 59.0                            | 11.2          | 7.62 | 22.6                     | YES                                  | 1,431                            |                             |
| 16  | 1.05   | 39.9                          | 41.9                            | 11.2          | 7.79 | 23.7                     | YES                                  | 1,823                            |                             |
| 17  | 1.13   | 54.1                          | 61.1                            | 11.8          | 7.66 | 21.9                     | YES                                  | 1,346                            |                             |
| 18  | 1.20   | 47.5                          | 57.0                            | 11.7          | 7.67 | 22.3                     | YES                                  | 1,532                            |                             |
| 19  | 1.00   | 47.1                          | 47.1                            | 12.3          | 7.78 | 21.8                     | YES                                  | 1,547                            |                             |
| 20  | 1.02   | 50.0                          | 51.0                            | 12.7          | 7.79 | 21.3                     | YES                                  | 1,458                            |                             |
| 21  | 1.05   | 51.8                          | 54.4                            | 16.4          | 7.98 | 17.9                     | YES                                  | 1,406                            |                             |
| 22  | 1.10   | 49.9                          | 54.9                            | 13.5          | 7.77 | 20.2                     | YES                                  | 1,461                            |                             |
| 23  | 1.14   | 58.3                          | 66.5                            | 14.6          | 7.81 | 19.2                     | YES                                  | 1,450                            |                             |
| 24  | 1.13   | 50.0                          | 56.5                            | 15.5          | 7.76 | 17.7                     | YES                                  | 1,457                            |                             |
| 25  | 1.19   | 50.6                          | 60.2                            | 13.8          | 7.56 | 18.5                     | YES                                  | 1,440                            |                             |
| 26  | 1.16   | 50.3                          | 58.3                            | 13.0          | 7.56 | 19.5                     | YES                                  | 1,448                            |                             |
| 27  | 1.15   | 50.4                          | 58.0                            | 12.6          | 7.72 | 21.2                     | YES                                  | 1,446                            |                             |
| 28  | 1.02   | 50.2                          | 51.2                            | 12.1          | 7.72 | 21.7                     | YES                                  | 1,451                            |                             |
| 29  | 1.00   | 46.5                          | 46.5                            | 12.1          | 7.70 | 21.5                     | YES                                  | 1,568                            |                             |
| 30  | 1.11   | 45.5                          | 50.5                            | 12.3          | 7.65 | 21.1                     | YES                                  | 1,601                            |                             |

♦ If chlorine concentration at entry point < 0.2 mg/L, or CT not met, notify DWS within 24 hours.

**Submit this monthly report by the 10<sup>th</sup> of following month by**

mail: Drinking Water Services  
PO Box 14350  
Portland, OR 97293-0350

email: [dwp.dmce@odhsoha.oregon.gov](mailto:dwp.dmce@odhsoha.oregon.gov)

fax: 971-673-0458

# Oregon DHS - Drinking Water Services – Surface Water Quality Data

System Name: **Winston Dillard Water Dist.**

ID# **41 00957**

Month/Year: **Apr / 2024**

Minimum UVT [%] during month: 93.9%

Duty sensor variation from reference sensor %: 15.3%

Minimum Validated UVT : 70% {Insert Req'd Value}

| Date  | Peak Hourly Demand Flow | Minimum Intensity                  | All Lamps On? | Daily Water Produced {A} | Water outside Validated Conditions {B} | Cumulative % Off-Spec Water Produced    |
|---|-------------------------|------------------------------------|---------------|--------------------------|--|---|
|   | [gpm/unit]              | [ <sup>mj</sup> /cm <sup>2</sup> ] | [ Y or N ]    | [gal]                    | [gal]                                  | (Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100 [%] |
| 1   | 879                     | 8.4                                | Y             | 461,779                  | None                                   |   |
| 2   | 1,486                   | 8.9                                | Y             | 577,981                  | None                                   |   |
| 3   | 1,483                   | 8.8                                | Y             | 653,881                  | None                                   |   |
| 4   | 1,314                   | 8.6                                | Y             | 804,547                  | None                                   |   |
| 5   | 1,299                   | 9.3                                | Y             | 669,177                  | None                                   |   |
| 6   | 1,308                   | 10.1                               | Y             | 382,976                  | None                                   |   |
| 7   | 1,316                   | 9.2                                | Y             | 490,857                  | None                                   |   |
| 8   | 1,303                   | 8.7                                | Y             | 881,392                  | None                                   |   |
| 9   | 1,316                   | 10.0                               | Y             | 452,526                  | None                                   |   |
| 10  | 1,310                   | 9.6                                | Y             | 594,484                  | None                                   |   |
| 11  | 1,307                   | 9.0                                | Y             | 801,385                  | None                                   |   |
| 12  | 1,309                   | 9.6                                | Y             | 437,959                  | None                                   |   |
| 13  | 1,374                   | 8.6                                | Y             | 790,130                  | None                                   |   |
| 14  | 875                     | 10.0                               | Y             | 288,024                  | None                                   |   |
| 15  | 1,431                   | 8.1                                | Y             | 735,631                  | None                                   |   |
| 16  | 1,823                   | 9.5                                | Y             | 585,203                  | None                                   |   |
| 17  | 1,346                   | 8.8                                | Y             | 700,608                  | None                                   |   |
| 18  | 1,532                   | 9.2                                | Y             | 566,300                  | None                                   |   |
| 19  | 1,547                   | 9.2                                | Y             | 706,929                  | None                                   |   |
| 20  | 1,458                   | 9.1                                | Y             | 637,130                  | None                                   |   |
| 21  | 1,406                   | 8.5                                | Y             | 824,245                  | None                                   |   |
| 22  | 1,461                   | 8.8                                | Y             | 723,365                  | None                                   |   |
| 23  | 1,450                   | 9.1                                | Y             | 672,193                  | None                                   |   |
| 24  | 1,457                   | 9.8                                | Y             | 675,126                  | None                                   |   |
| 25  | 1,440                   | 10.6                               | Y             | 376,011                  | None                                   |   |
| 26  | 1,448                   | 9.7                                | Y             | 708,423                  | None                                   |   |
| 27  | 1,446                   | 10.5                               | Y             | 532,844                  | None                                   |   |
| 28  | 1,451                   | 9.2                                | Y             | 692,653                  | None                                   |   |
| 29  | 1,568                   | 9.3                                | Y             | 690,201                  | None                                   |   |
| 30  | 1,601                   | 9.8                                | Y             | 553,746                  | None                                   |   |
| <b>Monthly Cumulative % Off-Spec Water Produced</b> |                         |                                    |               |                          |  | <b>None</b>                             |

Signature: *Derek Osterman*

Op Cert #: T 08919

Date: 5/1/2024