

## Oregon OHA - Drinking Water Services - Turbidity Water Quality Data

Thurston Well 2

System Name: Springfield Utility Board ID #: 4100837 WTP: WTP-B Month / Year: 10 / 2025

| Day | Well #2<br>[On/Off] | 12 AM<br>[NTU] | 4 AM<br>[NTU] | 8 AM<br>[NTU] | 12 PM<br>[NTU] | 4 PM<br>[NTU] | 8 PM<br>[NTU] | Highest<br>Reading of the<br>Day [NTU] | Peak Hourly<br>Demand Flow<br>[GPM] |
|-----|---------------------|----------------|---------------|---------------|----------------|---------------|---------------|----------------------------------------|-------------------------------------|
| 1   | On                  | 0.018          | 0.018         | 0.018         | 0.018          | 0.018         | 0.018         | 0.021                                  | 937                                 |
| 2   | On                  | 0.018          | 0.018         | 0.018         | 0.019          | 0.018         | 0.018         | 0.099                                  | 942                                 |
| 3   | On                  | 0.018          | 0.018         | 0.018         | 0.019          | 0.018         | 0.019         | 0.105                                  | 929                                 |
| 4   | On                  | 0.019          | 0.019         | 0.019         | 0.019          | 0.019         | 0.019         | 0.110                                  | 926                                 |
| 5   | On                  | 0.019          | 0.019         | 0.020         | 0.021          | 0.019         | 0.019         | 0.117                                  | 931                                 |
| 6   | On                  | 0.019          | 0.019         | 0.020         | 0.019          | 0.019         | 0.021         | 0.098                                  | 921                                 |
| 7   | On                  | 0.022          | 0.022         | 0.020         | 0.020          | 0.021         | 0.020         | 0.176                                  | 916                                 |
| 8   | On                  | 0.021          | 0.020         | 0.019         | 0.020          | 0.019         | 0.019         | 0.087                                  | 931                                 |
| 9   | On                  | 0.019          | 0.019         | 0.019         | 0.019          | 0.018         | 0.018         | 0.528                                  | 938                                 |
| 10  | On                  | 0.018          | 0.018         | 0.019         | 0.019          | 0.021         | 0.019         | 0.147                                  | 948                                 |
| 11  | On                  | 0.018          | 0.018         | 0.018         | 0.019          | 0.019         | 0.018         | 0.092                                  | 947                                 |
| 12  | On                  | 0.018          | 0.017         | 0.017         | 0.018          | 0.018         | 0.016         | 0.091                                  | 948                                 |
| 13  | On                  | 0.016          | 0.016         | 0.016         | 0.017          | 0.017         | 0.018         | 0.085                                  | 947                                 |
| 14  | On                  | 0.018          | 0.020         | 0.020         | 0.021          | 0.021         | 0.021         | 0.112                                  | 941                                 |
| 15  | On                  | 0.019          | 0.017         | 0.019         | 0.018          | 0.020         | 0.018         | 0.088                                  | 939                                 |
| 16  | On                  | 0.017          | 0.017         | 0.019         | 0.020          | 0.018         | 0.019         | 0.087                                  | 933                                 |
| 17  | On                  | 0.016          | 0.016         | 0.019         | 0.019          | 0.023         | 0.018         | 0.098                                  | 926                                 |
| 18  | On                  | 0.018          | 0.017         | 0.016         | 0.017          | 0.017         | 0.017         | 0.083                                  | 929                                 |
| 19  | On                  | 0.018          | 0.018         | 0.018         | 0.017          | 0.020         | 0.018         | 0.084                                  | 934                                 |
| 20  | On                  | 0.018          | 0.017         | 0.017         | 0.019          | 0.026         | 0.025         | 0.108                                  | 961                                 |
| 21  | On                  | 0.021          | 0.020         | 0.020         | 0.020          | 0.023         | 0.020         | 0.081                                  | 1,003                               |
| 22  | On                  | 0.020          | 0.019         | 0.019         | 0.019          | 0.019         | 0.019         | 0.023                                  | 999                                 |
| 23  | On                  | 0.019          | 0.019         | 0.019         | 0.019          | 0.019         | 0.019         | 0.059                                  | 1,000                               |
| 24  | On                  | 0.019          | 0.019         | 0.019         | 0.019          | 0.019         | 0.019         | 0.019                                  | 1,015                               |
| 25  | On                  | 0.019          | 0.019         | 0.018         | 0.018          | 0.018         | 0.018         | 0.019                                  | 1,019                               |
| 26  | On                  | 0.018          | 0.019         | 0.019         | 0.019          | 0.020         | 0.022         | 0.038                                  | 1,016                               |
| 27  | On                  | 0.024          | 0.022         | 0.022         | 0.021          | 0.021         | 0.021         | 0.094                                  | 1,022                               |
| 28  | On                  | 0.021          | 0.021         | 0.019         | 0.020          | 0.020         | 0.020         | 0.021                                  | 1,019                               |
| 29  | On                  | 0.020          | 0.019         | 0.019         | 0.021          | 0.020         | 0.020         | 0.079                                  | 1,015                               |
| 30  | On                  | 0.019          | 0.019         | 0.018         | 0.020          | 0.018         | 0.019         | 0.071                                  | 1,003                               |
| 31  | On                  | 0.019          | 0.019         | 0.018         | 0.025          | 0.019         | 0.019         | 0.089                                  | 1,003                               |

## Natural Filtration

95% of turbidity readings  $\leq$  1 NTU?☒ Yes ☐ No

All turbidity readings &lt; 5 NTU?

☒ Yes ☐ No

## Monthly UV Summary

Is the volume of off-spec water produced less than 5% in the month?

☒ Yes ☐ No

Printed Name: Dave Embleton

Signature: 

Date: 11/4/2025

Phone #: (541) 726-2396

Cert #: D6098/T6098

Is there a 4-log virus inactivation provided with ☒ Chlorine; ☒ Yes ☐ NoCT<sub>viral</sub> Required = 4.80  
Achieved = 45.37

Notes: \* Thurston Well 2 Off



## Oregon OHA - Drinking Water Services - UV Surface Water Quality Data

Thurston Well 2

System Name: Springfield Utility Board ID #: 4100837 WTP: WTP-B Month / Year: 10 / 2025

| Minumum UVT [%] during month: N/A            |                                       |                     |                                                                                                | Duty Sensor variation from reference sensor: 12.73%         |                           |                                   |                                                 |                                                         |
|----------------------------------------------|---------------------------------------|---------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------------------------|-----------------------------------|-------------------------------------------------|---------------------------------------------------------|
| Minimum Validated UVT: 97.5%                 |                                       |                     |                                                                                                | Min. UV Dose achieved/intended this month: 22.8 / 15 mJ/cm² |                           |                                   |                                                 |                                                         |
| Day                                          | Peak Hourly Demand Flow<br>[gpm/unit] | Well #2<br>[On/Off] | Minimum Intensity<br>[mW/cm²]                                                                  | Minimum Dose<br>[mJ/cm²]                                    | All Lamps On?<br>[Yes/No] | Daily Water Produced {A}<br>[gal] | Water Outside Validated Conditions {B}<br>[gal] | Cumulative Off-Spec Water Produced<br>({B}/{A})*100 [%] |
| 1                                            | 937                                   | On                  | 27.0                                                                                           | 25.1                                                        | Yes                       | 1,340,000                         | 0                                               |                                                         |
| 2                                            | 942                                   | On                  | 6.7                                                                                            | 24.2                                                        | Yes                       | 1,326,000                         | 0                                               |                                                         |
| 3                                            | 929                                   | On                  | 5.3                                                                                            | 23.3                                                        | Yes                       | 1,096,000                         | 0                                               |                                                         |
| 4                                            | 926                                   | On                  | 5.6                                                                                            | 23.9                                                        | Yes                       | 940,000                           | 0                                               |                                                         |
| 5                                            | 931                                   | On                  | 5.3                                                                                            | 24.2                                                        | Yes                       | 795,000                           | 0                                               |                                                         |
| 6                                            | 921                                   | On                  | 5.4                                                                                            | 23.7                                                        | Yes                       | 261,000                           | 0                                               |                                                         |
| 7                                            | 916                                   | On                  | 26.0                                                                                           | 24.9                                                        | Yes                       | 617,000                           | 0                                               |                                                         |
| 8                                            | 931                                   | On                  | 5.3                                                                                            | 23.0                                                        | Yes                       | 1,034,000                         | 0                                               |                                                         |
| 9                                            | 938                                   | On                  | 5.5                                                                                            | 24.0                                                        | Yes                       | 836,000                           | 0                                               |                                                         |
| 10                                           | 948                                   | On                  | 6.6                                                                                            | 23.7                                                        | Yes                       | 644,000                           | 0                                               |                                                         |
| 11                                           | 947                                   | On                  | 6.5                                                                                            | 25.2                                                        | Yes                       | 873,000                           | 0                                               |                                                         |
| 12                                           | 948                                   | On                  | 6.4                                                                                            | 23.8                                                        | Yes                       | 850,000                           | 0                                               |                                                         |
| 13                                           | 947                                   | On                  | 6.7                                                                                            | 25.3                                                        | Yes                       | 865,000                           | 0                                               |                                                         |
| 14                                           | 941                                   | On                  | 6.6                                                                                            | 24.6                                                        | Yes                       | 658,000                           | 0                                               |                                                         |
| 15                                           | 939                                   | On                  | 6.7                                                                                            | 23.1                                                        | Yes                       | 895,000                           | 0                                               |                                                         |
| 16                                           | 933                                   | On                  | 6.5                                                                                            | 23.9                                                        | Yes                       | 883,000                           | 0                                               |                                                         |
| 17                                           | 926                                   | On                  | 5.5                                                                                            | 24.3                                                        | Yes                       | 572,000                           | 0                                               |                                                         |
| 18                                           | 929                                   | On                  | 5.4                                                                                            | 24.6                                                        | Yes                       | 839,000                           | 0                                               |                                                         |
| 19                                           | 934                                   | On                  | 5.2                                                                                            | 24.7                                                        | Yes                       | 793,000                           | 0                                               |                                                         |
| 20                                           | 961                                   | On                  | 5.5                                                                                            | 23.2                                                        | Yes                       | 899,000                           | 0                                               |                                                         |
| 21                                           | 1,003                                 | On                  | 5.3                                                                                            | 24.2                                                        | Yes                       | 824,000                           | 0                                               |                                                         |
| 22                                           | 999                                   | On                  | 22.6                                                                                           | 23.2                                                        | Yes                       | 1,400,000                         | 0                                               |                                                         |
| 23                                           | 1,000                                 | On                  | 5.3                                                                                            | 24.5                                                        | Yes                       | 1,417,000                         | 0                                               |                                                         |
| 24                                           | 1,015                                 | On                  | 28.8                                                                                           | 24.9                                                        | Yes                       | 1,453,000                         | 0                                               |                                                         |
| 25                                           | 1,019                                 | On                  | 28.8                                                                                           | 25.0                                                        | Yes                       | 1,452,000                         | 0                                               |                                                         |
| 26                                           | 1,016                                 | On                  | 28.8                                                                                           | 25.0                                                        | Yes                       | 1,450,000                         | 0                                               |                                                         |
| 27                                           | 1,022                                 | On                  | 6.7                                                                                            | 23.0                                                        | Yes                       | 1,049,000                         | 0                                               |                                                         |
| 28                                           | 1,019                                 | On                  | 28.5                                                                                           | 24.6                                                        | Yes                       | 1,428,000                         | 0                                               |                                                         |
| 29                                           | 1,015                                 | On                  | 6.7                                                                                            | 22.8                                                        | Yes                       | 1,057,000                         | 0                                               |                                                         |
| 30                                           | 1,003                                 | On                  | 6.6                                                                                            | 23.7                                                        | Yes                       | 1,125,000                         | 0                                               |                                                         |
| 31                                           | 1,003                                 | On                  | 5.5                                                                                            | 24.2                                                        | Yes                       | 798,000                           | 0                                               |                                                         |
| Monthly Cumulative % Off-Spec Water Produced |                                       |                     |                                                                                                |                                                             |                           |                                   |                                                 | 0.00%                                                   |
| Print Name: Dave Embleton                    |                                       |                     | Signature:  |                                                             |                           | Cert #: D6098/T6098               |                                                 | Date: 11/4/2025                                         |

Notes: \* Thurston Well 2 Off