

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

System Name: Springfield Utility Board ID #: 4100837 WTP: Willamette WTP-A Month / Year: 8 / 2025

| Day | 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   | 0.192          | 0.142         | 0.127         | 0.122          | 0.161         | 0.213         | 0.219                                  | 2,878                               |
| 2   | 0.201          | 0.146         | 0.131         | 0.126          | 0.163         | 0.213         | 0.222                                  | 2,817                               |
| 3   | 0.204          | 0.146         | 0.131         | 0.125          | 0.154         | 0.189         | 0.205                                  | 2,791                               |
| 4   | 0.172          | 0.134         | 0.122         | 0.117          | 0.161         | 0.211         | 0.215                                  | 2,907                               |
| 5   | 0.192          | 0.138         | 0.125         | 0.124          | 0.172         | 0.217         | 0.219                                  | 2,897                               |
| 6   | 0.190          | 0.140         | 0.127         | 0.122          | 0.148         | 0.185         | 0.191                                  | 2,805                               |
| 7   | 0.179          | 0.135         | 0.122         | 0.117          | 0.150         | 0.207         | 0.209                                  | 2,784                               |
| 8   | 0.190          | 0.138         | 0.122         | 0.118          | 0.162         | 0.235         | 0.350                                  | 3,020                               |
| 9   | 0.214          | 0.144         | 0.125         | 0.120          | 0.157         | 0.218         | 0.226                                  | 2,699                               |
| 10  | 0.214          | 0.146         | 0.127         | 0.122          | 0.166         | 0.224         | 0.226                                  | 3,001                               |
| 11  | 0.207          | 0.142         | 0.125         | 0.120          | 0.166         | 0.213         | 0.213                                  | 3,234                               |
| 12  | 0.179          | 0.136         | 0.124         | 0.118          | 0.159         | 0.207         | 0.207                                  | 3,212                               |
| 13  | 0.181          | 0.134         | 0.122         | 0.116          | 0.156         | 0.198         | 0.200                                  | 3,310                               |
| 14  | 0.172          | 0.131         | 0.120         | 0.114          | 0.131         | 0.179         | 0.181                                  | 3,174                               |
| 15  | 0.161          | 0.124         | 0.112         | 0.109          | 0.122         | 0.141         | 0.162                                  | 3,404                               |
| 16  | 0.127          | 0.112         | 0.107         | 0.103          | 0.108         | 0.135         | 0.135                                  | 3,199                               |
| 17  | 0.127          | 0.107         | 0.101         | 0.097          | 0.112         | 0.152         | 0.154                                  | 2,924                               |
| 18  | 0.142          | 0.109         | 0.101         | 0.164          | 0.192         | 0.241         | 0.246                                  | 2,881                               |
| 19  | 0.244          | 0.190         | 0.171         | 0.166          | 0.226         | 0.285         | 0.287                                  | 3,309                               |
| 20  | 0.255          | 0.196         | 0.177         | 0.110          | 0.226         | 0.273         | 0.273                                  | 3,081                               |
| 21  | 0.251          | 0.192         | 0.174         | 0.166          | 0.213         | 0.277         | 0.283                                  | 3,063                               |
| 22  | 0.257          | 0.198         | 0.181         | 0.177          | 0.222         | 0.276         | 0.278                                  | 3,364                               |
| 23  | 0.255          | 0.203         | 0.188         | 0.186          | 0.233         | 0.289         | 0.292                                  | 3,211                               |
| 24  | 0.264          | 0.209         | 0.192         | 0.188          | 0.233         | 0.304         | 0.315                                  | 3,424                               |
| 25  | 0.277          | 0.216         | 0.199         | 0.188          | 0.198         | 0.250         | 0.304                                  | 3,445                               |
| 26  | 0.251          | 0.199         | 0.184         | 0.174          | 0.217         | 0.292         | 0.294                                  | 3,113                               |
| 27  | 0.266          | 0.201         | 0.184         | 0.181          | 0.222         | 0.304         | 0.311                                  | 3,130                               |
| 28  | 0.279          | 0.211         | 0.196         | 0.187          | 0.248         | 0.339         | 0.343                                  | 3,288                               |
| 29  | 0.296          | 0.218         | 0.199         | 0.194          | 0.239         | 0.346         | 0.356                                  | 3,057                               |
| 30  | 0.307          | 0.224         | 0.203         | 0.199          | 0.259         | 0.379         | 0.394                                  | 2,954                               |
| 31  | 0.342          | 0.236         | 0.205         | 0.201          | 0.278         | 0.398         | 0.413                                  | 2,801                               |

**Slow Sand Filtration**95% of turbidity readings  $\leq$  1 NTU?☒ Yes ☐ NoAll turbidity readings  $<$  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: 9/4/2025

Is there a 4-log virus inactivation provided with ☒ Chlorine; ☒ Yes ☐ NoCT<sub>viral</sub> Required = 3.42  
Achieved = 40.92

Notes: \* Willamette Wellfield Off



**Oregon OHA - Drinking Water Services - UV Surface Water Quality Data****System Name:** Springfield Utility Board **ID #:** 4100837 **WTP:** Willamette WTP-A **Month / Year:** 8 / 2025

| Minumum UVT [%] during month: N/A            |                         |                                                                                                |                                                             | Duty Sensor variation from reference sensor: 5.04% |                          |                                        |                                    |
|----------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------|--------------------------|----------------------------------------|------------------------------------|
| Minimum Validated UVT: 97.8%                 |                         |                                                                                                | Min. UV Dose achieved/intended this month: 42.9 / 38 mJ/cm² |                                                    |                          |                                        |                                    |
| Day                                          | Peak Hourly Demand Flow | Minimum Intensity                                                                              | Minimum Dose                                                | All Lamps On?                                      | Daily Water Produced {A} | Water Outside Validated Conditions {B} | Cumulative Off-Spec Water Produced |
|                                              | [gpm/unit]              | [mW/cm²]                                                                                       | [mJ/cm²]                                                    | [Yes/No]                                           | [gal]                    | [gal]                                  | {B}/{A}*100 [%]                    |
| 1                                            | 2,878                   | 4.5                                                                                            | 43.3                                                        | Yes                                                | 3,904,000                | 0                                      |                                    |
| 2                                            | 2,817                   | 5.1                                                                                            | 45.0                                                        | Yes                                                | 3,971,000                | 0                                      |                                    |
| 3                                            | 2,791                   | 4.4                                                                                            | 44.9                                                        | Yes                                                | 3,948,000                | 0                                      |                                    |
| 4                                            | 2,907                   | 5.2                                                                                            | 43.3                                                        | Yes                                                | 3,957,000                | 0                                      |                                    |
| 5                                            | 2,897                   | 5.1                                                                                            | 44.3                                                        | Yes                                                | 3,981,000                | 0                                      |                                    |
| 6                                            | 2,805                   | 5.0                                                                                            | 43.4                                                        | Yes                                                | 3,878,000                | 0                                      |                                    |
| 7                                            | 2,784                   | 5.2                                                                                            | 43.8                                                        | Yes                                                | 3,867,000                | 0                                      |                                    |
| 8                                            | 3,020                   | 4.3                                                                                            | 43.2                                                        | Yes                                                | 3,833,000                | 0                                      |                                    |
| 9                                            | 2,699                   | 5.1                                                                                            | 43.0                                                        | Yes                                                | 3,820,000                | 0                                      |                                    |
| 10                                           | 3,001                   | 4.1                                                                                            | 44.6                                                        | Yes                                                | 4,093,000                | 0                                      |                                    |
| 11                                           | 3,234                   | 4.1                                                                                            | 43.4                                                        | Yes                                                | 4,449,000                | 0                                      |                                    |
| 12                                           | 3,212                   | 4.2                                                                                            | 44.9                                                        | Yes                                                | 4,527,000                | 0                                      |                                    |
| 13                                           | 3,310                   | 3.9                                                                                            | 46.7                                                        | Yes                                                | 4,521,000                | 0                                      |                                    |
| 14                                           | 3,174                   | 4.4                                                                                            | 45.3                                                        | Yes                                                | 4,446,000                | 0                                      |                                    |
| 15                                           | 3,404                   | 4.4                                                                                            | 44.3                                                        | Yes                                                | 4,563,000                | 0                                      |                                    |
| 16                                           | 3,199                   | 4.3                                                                                            | 45.4                                                        | Yes                                                | 4,337,000                | 0                                      |                                    |
| 17                                           | 2,924                   | 3.8                                                                                            | 44.8                                                        | Yes                                                | 4,052,000                | 0                                      |                                    |
| 18                                           | 2,881                   | 3.7                                                                                            | 44.2                                                        | Yes                                                | 4,030,000                | 0                                      |                                    |
| 19                                           | 3,309                   | 3.7                                                                                            | 44.7                                                        | Yes                                                | 4,269,000                | 0                                      |                                    |
| 20                                           | 3,081                   | 4.0                                                                                            | 42.9                                                        | Yes                                                | 4,075,000                | 0                                      |                                    |
| 21                                           | 3,063                   | 3.5                                                                                            | 44.1                                                        | Yes                                                | 4,231,000                | 0                                      |                                    |
| 22                                           | 3,364                   | 3.6                                                                                            | 43.6                                                        | Yes                                                | 4,490,000                | 0                                      |                                    |
| 23                                           | 3,211                   | 3.7                                                                                            | 44.9                                                        | Yes                                                | 4,487,000                | 0                                      |                                    |
| 24                                           | 3,424                   | 3.6                                                                                            | 45.1                                                        | Yes                                                | 4,393,000                | 0                                      |                                    |
| 25                                           | 3,445                   | 3.6                                                                                            | 43.9                                                        | Yes                                                | 4,167,000                | 0                                      |                                    |
| 26                                           | 3,113                   | 3.4                                                                                            | 43.9                                                        | Yes                                                | 4,396,000                | 0                                      |                                    |
| 27                                           | 3,130                   | 3.5                                                                                            | 43.8                                                        | Yes                                                | 4,048,000                | 0                                      |                                    |
| 28                                           | 3,288                   | 3.5                                                                                            | 44.4                                                        | Yes                                                | 4,342,000                | 0                                      |                                    |
| 29                                           | 3,057                   | 3.4                                                                                            | 44.2                                                        | Yes                                                | 4,194,000                | 0                                      |                                    |
| 30                                           | 2,954                   | 3.2                                                                                            | 44.4                                                        | Yes                                                | 4,021,000                | 0                                      |                                    |
| 31                                           | 2,801                   | 3.3                                                                                            | 43.3                                                        | Yes                                                | 3,820,000                | 0                                      |                                    |
| Monthly Cumulative % Off-Spec Water Produced |                         |                                                                                                |                                                             |                                                    |                          |                                        | 0.00%                              |
| Print Name: Dave Embleton                    |                         | Signature:  |                                                             |                                                    | Cert #: D6098/T6098      |                                        | Date: 9/4/2025                     |

Notes: \* Willamette Wellfield Off