


Oregon OHA - Drinking Water Services - Turbidity Water Quality Data


System Name: Springfield Utility Board ID #: 4100837 WTP: Willamette WTP-A Month / Year: 3 / 2024

| Day | 12 AM [NTU] | 4 AM [NTU] | 8 AM [NTU] | 12 PM [NTU] | 4 PM [NTU] | 8 PM [NTU] | Highest Reading of the Day [NTU] | Peak Hourly Demand Flow [GPM] |
|---|-------------|------------|------------|--|------------|------------|---|-------------------------------|
| 1 | 0.146 | 0.134 | 0.116 | 0.107 | 0.107 | 0.161 | 0.186 | 1,975 |
| 2 | 0.185 | 0.140 | 0.118 | 0.111 | 0.109 | 0.180 | 0.207 | 1,944 |
| 3 | 0.207 | 0.153 | 0.124 | 0.112 | 0.113 | 0.156 | 0.207 | 1,826 |
| 4 | 0.161 | 0.135 | 0.116 | 0.239 | 0.259 | 0.511 | 0.630 | 2,302 |
| 5 | 0.627 | 0.385 | 0.266 | 0.235 | 0.228 | 0.413 | 0.646 | 1,887 |
| 6 | 0.646 | 0.428 | 0.270 | 0.266 | 0.224 | 0.352 | 0.646 | 2,169 |
| 7 | 0.537 | 0.544 | 0.351 | 0.244 | 0.224 | 0.398 | 0.658 | 1,858 |
| 8 | 0.659 | 0.535 | 0.331 | 0.248 | 0.241 | 0.417 | 0.702 | 1,839 |
| 9 | 0.702 | 0.683 | 0.442 | 0.294 | 0.246 | 0.274 | 0.743 | 1,838 |
| 10 | 0.380 | 0.417 | 0.347 | 0.259 | 0.229 | 0.241 | 0.417 | 1,812 |
| 11 | 0.361 | 0.400 | 0.299 | 0.244 | 0.224 | 0.267 | 0.403 | 1,794 |
| 12 | 0.328 | 0.311 | 0.252 | 0.220 | 0.214 | 0.294 | 0.395 | 1,887 |
| 13 | 0.395 | 0.355 | 0.257 | 0.218 | 0.000 | 0.304 | 0.398 | 1,967 |
| 14 | 0.394 | 0.348 | 0.259 | 0.126 | 0.136 | 0.206 | 0.398 | 2,226 |
| 15 | 0.228 | 0.161 | 0.135 | 0.124 | 0.132 | 0.252 | 0.293 | 2,119 |
| 16 | 0.292 | 0.194 | 0.144 | 0.127 | 0.135 | 0.341 | 0.424 | 1,949 |
| 17 | 0.411 | 0.218 | 0.151 | 0.133 | 0.142 | 0.439 | 0.554 | 1,830 |
| 18 | 0.502 | 0.235 | 0.154 | 0.185 | 0.204 | 0.343 | 0.506 | 1,883 |
| 19 | 0.419 | 0.341 | 0.270 | 0.248 | 0.261 | 0.504 | 0.604 | 2,060 |
| 20 | 0.599 | 0.429 | 0.327 | 0.298 | 0.311 | 0.584 | 0.678 | 1,845 |
| 21 | 0.627 | 0.437 | 0.327 | 0.291 | 0.313 | 0.619 | 0.772 | 2,090 |
| 22 | 0.750 | 0.479 | 0.314 | 0.172 | 0.167 | 0.252 | 0.752 | 1,914 |
| 23 | 0.261 | 0.194 | 0.155 | 0.139 | 0.142 | 0.209 | 0.261 | 2,261 |
| 24 | 0.228 | 0.168 | 0.133 | 0.124 | 0.133 | 0.209 | 0.246 | 1,936 |
| 25 | 0.246 | 0.168 | 0.127 | 0.114 | 0.114 | 0.185 | 0.246 | 1,878 |
| 26 | 0.222 | 0.155 | 0.122 | 0.111 | 0.123 | 0.273 | 0.319 | 1,889 |
| 27 | 0.294 | 0.172 | 0.126 | 0.112 | 0.111 | 0.127 | 0.294 | 1,961 |
| 28 | 0.211 | 0.149 | 0.114 | 0.105 | 0.103 | 0.179 | 0.211 | 2,031 |
| 29 | 0.206 | 0.146 | 0.116 | 0.105 | 0.109 | 0.221 | 0.245 | 1,861 |
| 30 | 0.239 | 0.164 | 0.124 | 0.109 | 0.107 | 0.206 | 0.241 | 1,914 |
| 31 | 0.241 | 0.174 | 0.131 | 0.114 | 0.113 | 0.191 | 0.241 | 1,849 |
| Slow Sand Filtration | | | | Monthly UV Summary | | | | |
| 95% of turbidity readings ≤ 1 NTU? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No All turbidity readings < 5 NTU? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | Is the volume of off-spec water produced less than 5% in the month? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| | | | | Printed Name: Dave Embleton | | | | |
| | | | | Signature:  | | | Date: 4/8/2024 | |
| Is there a 4-log virus inactivation provided with <input checked="" type="checkbox"/> Chlorine; <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | CT _{viral} Required = 6.50 Achieved = 56.83 | |

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: 3 / 2024

| Minimum UVT [%] during month: N/A | | | | Duty Sensor variation from reference sensor: 3.81% | | | |
|---|---------------------------------------|--|--|--|-----------------------------------|---|---|
| Minimum Validated UVT: 97.0% | | | Min. UV Dose achieved/intended this month: 38.9 / 38 mJ/cm ² | | | | |
| Day | Peak Hourly Demand Flow [gpm/unit] | Minimum Intensity [mW/cm ²] | Minimum Dose [mJ/cm ²] | All Lamps On? [Yes/No] | Daily Water Produced {A} [gal] | Water Outside Validated Conditions {B} [gal] | Cumulative Off-Spec Water Produced {B}/{A}*100 [%] |
| 1 | 1,975 | 4.3 | 44.8 | Yes | 2,513,000 | 0 | |
| 2 | 1,944 | 4.1 | 45.8 | Yes | 2,482,000 | 0 | |
| 3 | 1,826 | 4.0 | 44.3 | Yes | 2,464,000 | 0 | |
| 4 | 2,302 | 4.0 | 44.3 | Yes | 2,535,000 | 0 | |
| 5 | 1,887 | 3.8 | 44.6 | Yes | 2,500,000 | 0 | |
| 6 | 2,169 | 3.7 | 49.6 | Yes | 1,806,000 | 0 | |
| 7 | 1,858 | 3.7 | 44.4 | Yes | 2,318,000 | 0 | |
| 8 | 1,839 | 3.7 | 44.2 | Yes | 2,393,000 | 0 | |
| 9 | 1,838 | 3.6 | 45.3 | Yes | 2,349,000 | 0 | |
| 10 | 1,812 | 4.0 | 48.2 | Yes | 2,259,000 | 0 | |
| 11 | 1,794 | 4.1 | 52.4 | Yes | 2,444,000 | 0 | |
| 12 | 1,887 | 4.0 | 45.4 | Yes | 2,551,000 | 0 | |
| 13 | 1,967 | 4.1 | 50.2 | Yes | 2,233,000 | 0 | |
| 14 | 2,226 | 4.1 | 50.8 | Yes | 2,530,000 | 0 | |
| 15 | 2,119 | 4.3 | 52.7 | Yes | 2,525,000 | 0 | |
| 16 | 1,949 | 4.2 | 53.6 | Yes | 2,475,000 | 0 | |
| 17 | 1,830 | 4.2 | 53.5 | Yes | 2,476,000 | 0 | |
| 18 | 1,883 | 4.2 | 51.7 | Yes | 2,566,000 | 0 | |
| 19 | 2,060 | 3.9 | 46.7 | Yes | 2,606,000 | 0 | |
| 20 | 1,845 | 3.5 | 43.5 | Yes | 2,605,000 | 0 | |
| 21 | 2,090 | 3.4 | 43.6 | Yes | 2,578,000 | 0 | |
| 22 | 1,914 | 3.5 | 44.7 | Yes | 2,573,000 | 0 | |
| 23 | 2,261 | 4.0 | 38.9 | Yes | 2,529,000 | 0 | |
| 24 | 1,936 | 4.1 | 45.1 | Yes | 2,641,000 | 0 | |
| 25 | 1,878 | 4.1 | 50.6 | Yes | 2,640,000 | 0 | |
| 26 | 1,889 | 4.2 | 51.9 | Yes | 2,647,000 | 0 | |
| 27 | 1,961 | 4.2 | 54.1 | Yes | 2,607,000 | 0 | |
| 28 | 2,031 | 7.2 | 52.8 | Yes | 2,576,000 | 0 | |
| 29 | 1,861 | 4.2 | 47.2 | Yes | 2,608,000 | 0 | |
| 30 | 1,914 | 4.3 | 48.3 | Yes | 2,574,000 | 0 | |
| 31 | 1,849 | 4.3 | 54.0 | Yes | 2,541,000 | 0 | |
| Monthly Cumulative % Off-Spec Water Produced | | | | | | | 0.00% |
| Print Name: Dave Embleton | | | Signature:  | | Cert #: D6098/T6098 | | Date: 4/8/2024 |

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