


Oregon OHA - Drinking Water Services - Turbidity Water Quality Data

System Name: Springfield Utility Board ID #: 4100837 WTP: Willamette WTP-A Month / Year: 2 / 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 | 0.251 | 0.199 | 0.179 | 0.172 | 0.198 | 0.343 | 0.357 | 1,738 |
| 2 | 0.322 | 0.234 | 0.196 | 0.184 | 0.191 | 0.302 | 0.331 | 1,713 |
| 3 | 0.314 | 0.242 | 0.205 | 0.196 | 0.224 | 0.359 | 0.380 | 2,006 |
| 4 | 0.361 | 0.268 | 0.220 | 0.201 | 0.213 | 0.281 | 0.361 | 1,951 |
| 5 | 0.274 | 0.225 | 0.199 | 0.188 | 0.187 | 0.215 | 0.274 | 1,814 |
| 6 | 0.222 | 0.199 | 0.185 | 0.175 | 0.183 | 0.267 | 0.287 | 1,707 |
| 7 | 0.287 | 0.228 | 0.194 | 0.179 | 0.185 | 0.278 | 0.308 | 1,964 |
| 8 | 0.308 | 0.253 | 0.222 | 0.209 | 0.230 | 0.350 | 0.378 | 1,756 |
| 9 | 0.368 | 0.287 | 0.244 | 0.228 | 0.243 | 0.374 | 0.409 | 1,722 |
| 10 | 0.394 | 0.303 | 0.259 | 0.240 | 0.285 | 0.550 | 0.611 | 1,655 |
| 11 | 0.566 | 0.388 | 0.296 | 0.257 | 0.276 | 0.504 | 0.568 | 1,761 |
| 12 | 0.514 | 0.357 | 0.285 | 0.255 | 0.313 | 0.572 | 0.637 | 1,998 |
| 13 | 0.583 | 0.361 | 0.264 | 0.231 | 0.267 | 0.554 | 0.606 | 1,703 |
| 14 | 0.533 | 0.322 | 0.231 | 0.225 | 0.209 | 0.233 | 0.535 | 1,687 |
| 15 | 0.283 | 0.261 | 0.201 | 0.183 | 0.207 | 0.276 | 0.287 | 1,976 |
| 16 | 0.272 | 0.228 | 0.213 | 0.209 | 0.270 | 0.476 | 0.480 | 1,857 |
| 17 | 0.387 | 0.251 | 0.198 | 0.176 | 0.180 | 0.237 | 0.389 | 1,805 |
| 18 | 0.239 | 0.187 | 0.161 | 0.149 | 0.171 | 0.321 | 0.356 | 1,706 |
| 19 | 0.341 | 0.226 | 0.168 | 0.146 | 0.152 | 0.250 | 0.341 | 1,809 |
| 20 | 0.266 | 0.185 | 0.146 | 0.132 | 0.131 | 0.228 | 0.266 | 1,849 |
| 21 | 0.257 | 0.175 | 0.138 | 0.125 | 0.125 | 0.183 | 0.259 | 1,779 |
| 22 | 0.222 | 0.161 | 0.129 | 0.118 | 0.135 | 0.250 | 0.269 | 1,849 |
| 23 | 0.253 | 0.168 | 0.131 | 0.118 | 0.119 | 0.213 | 0.254 | 1,700 |
| 24 | 0.239 | 0.168 | 0.131 | 0.118 | 0.116 | 0.200 | 0.239 | 1,660 |
| 25 | 0.229 | 0.168 | 0.132 | 0.120 | 0.117 | 0.198 | 0.230 | 1,676 |
| 26 | 0.228 | 0.164 | 0.131 | 0.120 | 0.118 | 0.179 | 0.228 | 1,752 |
| 27 | 0.198 | 0.151 | 0.127 | 0.118 | 0.116 | 0.169 | 0.202 | 1,726 |
| 28 | 0.196 | 0.149 | 0.126 | 0.114 | 0.112 | 0.126 | 0.196 | 1,723 |
| 29 | 0.137 | 0.132 | 0.118 | 0.112 | 0.112 | 0.132 | 0.146 | 1,796 |

| | | | |
|---|--|--|---|
| 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: 3/7/2024 |
| 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 = 6.42 Achieved = 70.79 |

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: 2 / 2024

| Minimum UVT [%] during month: N/A | | | | Duty Sensor variation from reference sensor: 5.34% | | | |
|---|---------------------------------------|---|---|--|-----------------------------------|---|---|
| Minimum Validated UVT: 96.4% | | | Min. UV Dose achieved/intended this month: 43.3 / 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 | 1,738 | 4.0 | 49.0 | Yes | 2,437,000 | 0 | |
| 2 | 1,713 | 3.9 | 46.4 | Yes | 2,430,000 | 0 | |
| 3 | 2,006 | 3.9 | 46.8 | Yes | 2,411,000 | 0 | |
| 4 | 1,951 | 3.9 | 52.8 | Yes | 2,400,000 | 0 | |
| 5 | 1,814 | 3.9 | 44.4 | Yes | 2,427,000 | 0 | |
| 6 | 1,707 | 4.0 | 43.3 | Yes | 2,393,000 | 0 | |
| 7 | 1,964 | 3.9 | 50.6 | Yes | 2,405,000 | 0 | |
| 8 | 1,756 | 3.7 | 46.7 | Yes | 2,445,000 | 0 | |
| 9 | 1,722 | 3.6 | 44.8 | Yes | 2,418,000 | 0 | |
| 10 | 1,655 | 3.5 | 45.0 | Yes | 2,355,000 | 0 | |
| 11 | 1,761 | 3.3 | 43.7 | Yes | 2,353,000 | 0 | |
| 12 | 1,998 | 3.4 | 43.6 | Yes | 2,396,000 | 0 | |
| 13 | 1,703 | 3.3 | 44.8 | Yes | 2,408,000 | 0 | |
| 14 | 1,687 | 3.5 | 51.0 | Yes | 1,501,000 | 0 | |
| 15 | 1,976 | 3.7 | 47.3 | Yes | 2,443,000 | 0 | |
| 16 | 1,857 | 3.7 | 44.6 | Yes | 2,496,000 | 0 | |
| 17 | 1,805 | 3.6 | 45.4 | Yes | 2,440,000 | 0 | |
| 18 | 1,706 | 3.8 | 44.2 | Yes | 2,406,000 | 0 | |
| 19 | 1,809 | 3.8 | 46.4 | Yes | 2,396,000 | 0 | |
| 20 | 1,849 | 4.0 | 46.2 | Yes | 2,375,000 | 0 | |
| 21 | 1,779 | 4.1 | 46.4 | Yes | 2,383,000 | 0 | |
| 22 | 1,849 | 4.1 | 43.6 | Yes | 2,491,000 | 0 | |
| 23 | 1,700 | 4.2 | 56.3 | Yes | 2,354,000 | 0 | |
| 24 | 1,660 | 4.2 | 56.3 | Yes | 2,348,000 | 0 | |
| 25 | 1,676 | 4.2 | 58.3 | Yes | 2,348,000 | 0 | |
| 26 | 1,752 | 4.3 | 46.5 | Yes | 2,406,000 | 0 | |
| 27 | 1,726 | 4.4 | 46.5 | Yes | 2,417,000 | 0 | |
| 28 | 1,723 | 4.3 | 45.7 | Yes | 2,431,000 | 0 | |
| 29 | 1,796 | 4.3 | 45.5 | Yes | 2,497,000 | 0 | |
| Monthly Cumulative % Off-Spec Water Produced | | | | | | | 0.00% |
| Print Name: Dave Embleton | | Signature:  | | | Cert #: D6098/T6098 | | Date: 3/7/2024 |

Notes: * Willamette Wellfield Off