


Oregon OHA - Drinking Water Services - Turbidity Water Quality Data

System Name: Springfield Utility Board ID #: 4100837 WTP: Willamette WTP-A Month / Year: 8 / 2022


| 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 | 0.331 | 0.257 | 0.229 | 0.218 | 0.278 | 0.376 | 0.442 | 3,204 |
| 2 | 0.367 | 0.278 | 0.248 | 0.237 | 0.294 | 0.373 | 0.382 | 3,178 |
| 3 | 0.358 | 0.275 | 0.244 | 0.232 | 0.319 | 0.411 | 0.414 | 3,296 |
| 4 | 0.384 | 0.282 | 0.252 | 0.237 | 0.318 | 0.415 | 0.429 | 3,133 |
| 5 | 0.393 | 0.276 | 0.246 | 0.226 | 0.312 | 0.401 | 0.414 | 3,493 |
| 6 | 0.381 | 0.273 | 0.244 | 0.232 | 0.326 | 0.426 | 0.431 | 3,480 |
| 7 | 0.387 | 0.278 | 0.244 | 0.236 | 0.330 | 0.430 | 0.440 | 3,469 |
| 8 | 0.390 | 0.286 | 0.255 | 0.250 | 0.322 | 0.440 | 0.450 | 3,222 |
| 9 | 0.406 | 0.290 | 0.256 | 0.245 | 0.306 | 0.432 | 0.470 | 3,187 |
| 10 | 0.420 | 0.303 | 0.255 | 0.243 | 0.299 | 0.423 | 0.434 | 2,741 |
| 11 | 0.409 | 0.298 | 0.252 | 0.248 | 0.309 | 0.429 | 0.447 | 2,831 |
| 12 | 0.422 | 0.289 | 0.243 | 0.233 | 0.279 | 0.349 | 0.423 | 2,978 |
| 13 | 0.343 | 0.267 | 0.243 | 0.235 | 0.352 | 0.430 | 0.440 | 3,050 |
| 14 | 0.386 | 0.295 | 0.267 | 0.248 | 0.331 | 0.437 | 0.474 | 2,948 |
| 15 | 0.402 | 0.304 | 0.269 | 0.258 | 0.333 | 0.442 | 0.450 | 2,908 |
| 16 | 0.414 | 0.312 | 0.274 | 0.262 | 0.331 | 0.447 | 0.456 | 2,864 |
| 17 | 0.412 | 0.311 | 0.274 | 0.262 | 0.332 | 0.397 | 0.414 | 2,868 |
| 18 | 0.359 | 0.297 | 0.268 | 0.256 | 0.269 | 0.321 | 0.359 | 2,915 |
| 19 | 0.326 | 0.271 | 0.251 | 0.244 | 0.311 | 0.420 | 0.424 | 2,895 |
| 20 | 0.371 | 0.290 | 0.260 | 0.250 | 0.276 | 0.381 | 0.397 | 2,919 |
| 21 | 0.355 | 0.280 | 0.256 | 0.248 | 0.322 | 0.436 | 0.439 | 2,806 |
| 22 | 0.377 | 0.292 | 0.262 | 0.252 | 0.336 | 0.441 | 0.442 | 2,968 |
| 23 | 0.379 | 0.296 | 0.264 | 0.254 | 0.329 | 0.447 | 0.453 | 2,924 |
| 24 | 0.389 | 0.296 | 0.266 | 0.256 | 0.348 | 0.439 | 0.439 | 3,210 |
| 25 | 0.362 | 0.301 | 0.273 | 0.263 | 0.371 | 0.445 | 0.445 | 3,487 |
| 26 | 0.366 | 0.296 | 0.268 | 0.259 | 0.316 | 0.426 | 0.429 | 3,377 |
| 27 | 0.346 | 0.283 | 0.261 | 0.251 | 0.322 | 0.414 | 0.414 | 3,333 |
| 28 | 0.333 | 0.273 | 0.256 | 0.249 | 0.336 | 0.426 | 0.427 | 3,410 |
| 29 | 0.351 | 0.280 | 0.254 | 0.251 | 0.330 | 0.406 | 0.406 | 3,181 |
| 30 | 0.329 | 0.273 | 0.248 | 0.216 | 0.294 | 0.353 | 0.354 | 3,240 |
| 31 | 0.298 | 0.238 | 0.210 | 0.203 | 0.264 | 0.327 | 0.327 | 3,080 |

| | | | |
|---|--|--|---|
| 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: 9/8/2022 |
| 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 = 3.56 Achieved = 31.16 |

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 / 2022

| Minimum UVT [%] during month: N/A | | | | Duty Sensor variation from reference sensor: 6.96% | | | |
|---|---------------------------------------|--|--|--|-----------------------------------|---|---|
| Minimum Validated UVT: 94.8% | | | Min. UV Dose achieved/intended this month: 42.7 / 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 | 3,204 | 4.1 | 44.2 | Yes | 4,232,000 | 0 | |
| 2 | 3,178 | 3.2 | 45.1 | Yes | 4,288,000 | 0 | |
| 3 | 3,296 | 4.2 | 45.4 | Yes | 4,231,000 | 0 | |
| 4 | 3,133 | 4.1 | 44.2 | Yes | 4,222,000 | 0 | |
| 5 | 3,493 | 4.2 | 44.3 | Yes | 4,406,000 | 0 | |
| 6 | 3,480 | 4.2 | 44.6 | Yes | 4,499,000 | 0 | |
| 7 | 3,469 | 4.1 | 43.9 | Yes | 4,512,000 | 0 | |
| 8 | 3,222 | 4.2 | 44.2 | Yes | 4,365,000 | 0 | |
| 9 | 3,187 | 4.2 | 44.7 | Yes | 4,059,000 | 0 | |
| 10 | 2,741 | 4.1 | 45.6 | Yes | 3,058,000 | 0 | |
| 11 | 2,831 | 4.9 | 45.4 | Yes | 3,210,000 | 0 | |
| 12 | 2,978 | 5.0 | 43.6 | Yes | 3,992,000 | 0 | |
| 13 | 3,050 | 5.0 | 43.1 | Yes | 4,047,000 | 0 | |
| 14 | 2,948 | 5.1 | 43.1 | Yes | 3,973,000 | 0 | |
| 15 | 2,908 | 4.9 | 42.7 | Yes | 3,947,000 | 0 | |
| 16 | 2,864 | 5.1 | 43.1 | Yes | 3,939,000 | 0 | |
| 17 | 2,868 | 4.9 | 43.4 | Yes | 3,937,000 | 0 | |
| 18 | 2,915 | 5.0 | 43.2 | Yes | 3,951,000 | 0 | |
| 19 | 2,895 | 5.0 | 43.6 | Yes | 3,953,000 | 0 | |
| 20 | 2,919 | 5.6 | 43.1 | Yes | 3,953,000 | 0 | |
| 21 | 2,806 | 5.3 | 43.5 | Yes | 3,945,000 | 0 | |
| 22 | 2,968 | 4.9 | 43.3 | Yes | 3,999,000 | 0 | |
| 23 | 2,924 | 4.9 | 43.6 | Yes | 3,977,000 | 0 | |
| 24 | 3,210 | 5.0 | 43.6 | Yes | 4,239,000 | 0 | |
| 25 | 3,487 | 5.5 | 44.1 | Yes | 3,974,000 | 0 | |
| 26 | 3,377 | 4.2 | 47.1 | Yes | 4,465,000 | 0 | |
| 27 | 3,333 | 4.4 | 46.4 | Yes | 4,449,000 | 0 | |
| 28 | 3,410 | 4.4 | 44.8 | Yes | 4,407,000 | 0 | |
| 29 | 3,181 | 4.1 | 44.9 | Yes | 4,338,000 | 0 | |
| 30 | 3,240 | 4.3 | 44.3 | Yes | 4,373,000 | 0 | |
| 31 | 3,080 | 4.5 | 44.8 | Yes | 4,255,000 | 0 | |
| Monthly Cumulative % Off-Spec Water Produced | | | | | | | 0.00% |
| Print Name: Dave Embleton | | | Signature:  | | Cert #: D6098/T6098 | | Date: 9/8/2022 |

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