

Oregon OHA - Drinking Water Services - Turbidity Water Quality Data

System Name: Springfield Utility Board ID #: 4100837 WTP: Willamette WTP-A Month / Year: 8 / 2021

| 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 | 0.126 | 0.095 | 0.089 | 0.088 | 0.151 | 0.194 | 0.194 | 2,928 |
| 2 | 0.148 | 0.104 | 0.092 | 0.089 | 0.157 | 0.189 | 0.189 | 2,976 |
| 3 | 0.140 | 0.101 | 0.093 | 0.091 | 0.184 | 0.208 | 0.219 | 2,941 |
| 4 | 0.146 | 0.104 | 0.096 | 0.091 | 0.150 | 0.183 | 0.184 | 2,936 |
| 5 | 0.139 | 0.099 | 0.091 | 0.089 | 0.113 | 0.141 | 0.151 | 2,887 |
| 6 | 0.134 | 0.099 | 0.092 | 0.090 | 0.169 | 0.239 | 0.240 | 3,122 |
| 7 | 0.181 | 0.132 | 0.099 | 0.100 | 0.188 | 0.234 | 0.234 | 2,868 |
| 8 | 0.150 | 0.103 | 0.094 | 0.091 | 0.151 | 0.202 | 0.203 | 2,963 |
| 9 | 0.143 | 0.104 | 0.094 | 0.089 | 0.143 | 0.249 | 0.259 | 2,918 |
| 10 | 0.194 | 0.106 | 0.094 | 0.089 | 0.141 | 0.198 | 0.201 | 2,947 |
| 11 | 0.171 | 0.104 | 0.093 | 0.091 | 0.167 | 0.225 | 0.225 | 3,197 |
| 12 | 0.159 | 0.109 | 0.096 | 0.093 | 0.141 | 0.206 | 0.224 | 3,141 |
| 13 | 0.168 | 0.109 | 0.096 | 0.109 | 0.133 | 0.164 | 0.174 | 3,582 |
| 14 | 0.152 | 0.111 | 0.099 | 0.089 | 0.138 | 0.199 | 0.218 | 3,263 |
| 15 | 0.172 | 0.116 | 0.096 | 0.093 | 0.136 | 0.191 | 0.191 | 3,144 |
| 16 | 0.164 | 0.113 | 0.098 | 0.111 | 0.158 | 0.208 | 0.271 | 3,106 |
| 17 | 0.164 | 0.121 | 0.110 | 0.109 | 0.123 | 0.151 | 0.324 | 3,057 |
| 18 | 0.138 | 0.113 | 0.104 | 0.100 | 0.128 | 0.197 | 0.206 | 3,062 |
| 19 | 0.194 | 0.132 | 0.113 | 0.103 | 0.155 | 0.188 | 0.196 | 2,733 |
| 20 | 0.173 | 0.125 | 0.108 | 0.102 | 0.109 | 0.146 | 0.173 | 2,736 |
| 21 | 0.147 | 0.119 | 0.104 | 0.099 | 0.118 | 0.173 | 0.194 | 2,635 |
| 22 | 0.177 | 0.126 | 0.179 | 0.103 | 0.121 | 0.150 | 0.226 | 2,525 |
| 23 | 0.158 | 0.121 | 0.109 | 0.105 | 0.131 | 0.198 | 0.213 | 2,416 |
| 24 | 0.206 | 0.137 | 0.118 | 0.111 | 0.208 | 0.203 | 0.238 | 2,419 |
| 25 | 0.219 | 0.159 | 0.128 | 0.119 | 0.157 | 0.226 | 0.243 | 2,527 |
| 26 | 0.233 | 0.157 | 0.129 | 0.119 | 0.163 | 0.238 | 0.260 | 2,463 |
| 27 | 0.244 | 0.171 | 0.135 | 0.123 | 0.164 | 0.236 | 0.248 | 2,433 |
| 28 | 0.230 | 0.158 | 0.134 | 0.126 | 0.198 | 0.289 | 0.290 | 2,499 |
| 29 | 0.260 | 0.182 | 0.145 | 0.129 | 0.204 | 0.311 | 0.314 | 2,464 |
| 30 | 0.261 | 0.183 | 0.146 | 0.134 | 0.158 | 0.289 | 0.297 | 2,410 |
| 31 | 0.238 | 0.173 | 0.144 | 0.131 | 0.219 | 0.317 | 0.318 | 2,422 |

Slow Sand Filtration

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

All 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: 9/9/2021


Phone #: (541) 726-2396

Cert #: D6098/T6098

Is there a 4-log virus inactivation provided with Chlorine; Yes NoCT_{viral} Required = 3.20
Achieved = 44.48

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

System Name: Springfield Utility Board ID #: 4100837 WTP: Willamette WTP-A Month / Year: 8 / 2021

| Minumum UVT [%] during month: N/A | | | | Duty Sensor variation from reference sensor: 11.11% | | | |
|---|---------------------------------------|--|---|---|-----------------------------------|---|---|
| Minimum Validated UVT: 96.9% | | | Min. UV Dose achieved/intended this month: 43.4 / 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 | 2,928 | 3.4 | 44.7 | Yes | 4,084,000 | 0 | |
| 2 | 2,976 | 3.4 | 47.9 | Yes | 4,067,000 | 0 | |
| 3 | 2,941 | 3.4 | 47.6 | Yes | 3,573,000 | 0 | |
| 4 | 2,936 | 3.4 | 43.4 | Yes | 3,649,000 | 0 | |
| 5 | 2,887 | 3.3 | 47.9 | Yes | 3,960,000 | 0 | |
| 6 | 3,122 | 3.2 | 46.9 | Yes | 3,776,000 | 0 | |
| 7 | 2,868 | 3.1 | 46.8 | Yes | 3,943,000 | 0 | |
| 8 | 2,963 | 3.1 | 46.7 | Yes | 3,951,000 | 0 | |
| 9 | 2,918 | 3.2 | 47.1 | Yes | 3,569,000 | 0 | |
| 10 | 2,947 | 3.1 | 46.2 | Yes | 3,914,000 | 0 | |
| 11 | 3,197 | 3.0 | 46.1 | Yes | 4,157,000 | 0 | |
| 12 | 3,141 | 3.1 | 48.4 | Yes | 4,205,000 | 0 | |
| 13 | 3,582 | 3.1 | 44.9 | Yes | 4,472,000 | 0 | |
| 14 | 3,263 | 3.3 | 44.8 | Yes | 4,284,000 | 0 | |
| 15 | 3,144 | 3.1 | 45.6 | Yes | 4,114,000 | 0 | |
| 16 | 3,106 | 3.0 | 44.8 | Yes | 4,215,000 | 0 | |
| 17 | 3,057 | 3.1 | 46.9 | Yes | 3,768,000 | 0 | |
| 18 | 3,062 | 3.0 | 46.1 | Yes | 3,687,000 | 0 | |
| 19 | 2,733 | 2.8 | 47.6 | Yes | 3,394,000 | 0 | |
| 20 | 2,736 | 2.8 | 48.0 | Yes | 3,626,000 | 0 | |
| 21 | 2,635 | 2.8 | 45.9 | Yes | 3,034,000 | 0 | |
| 22 | 2,525 | 2.8 | 49.1 | Yes | 3,440,000 | 0 | |
| 23 | 2,416 | 2.7 | 47.2 | Yes | 3,331,000 | 0 | |
| 24 | 2,419 | 2.7 | 47.3 | Yes | 3,273,000 | 0 | |
| 25 | 2,527 | 2.6 | 43.4 | Yes | 3,416,000 | 0 | |
| 26 | 2,463 | 2.7 | 48.0 | Yes | 3,406,000 | 0 | |
| 27 | 2,433 | 2.7 | 45.9 | Yes | 3,400,000 | 0 | |
| 28 | 2,499 | 2.7 | 48.1 | Yes | 3,397,000 | 0 | |
| 29 | 2,464 | 2.6 | 47.7 | Yes | 3,384,000 | 0 | |
| 30 | 2,410 | 2.6 | 46.4 | Yes | 3,322,000 | 0 | |
| 31 | 2,422 | 2.5 | 47.2 | Yes | 3,341,000 | 0 | |
| Monthly Cumulative % Off-Spec Water Produced | | | | | | | 0.00% |
| Print Name: Dave Embleton | | | Signature:  | | Cert #: D6098/T6098 | | Date: 9/9/2021 |