


Oregon OHA - Drinking Water Services - Turbidity Water Quality Data

Thurston Well 2

System Name: Springfield Utility Board ID #: 4100837 WTP: WTP-B Month / Year: 11 / 2021

| Day | Well #2 [On/Off] | 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 | On | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.058 | 942 |
| 2 | On | 0.027 | 0.027 | 0.027 | 0.027 | 0.028 | 0.027 | 0.056 | 939 |
| 3 | On | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.027 | 0.060 | 938 |
| 4 | On | 0.027 | 0.027 | 0.027 | 0.028 | 0.027 | 0.028 | 0.061 | 933 |
| 5 | On | 0.027 | 0.028 | 0.027 | 0.029 | 0.029 | 0.029 | 0.064 | 921 |
| 6 | On | 0.028 | 0.028 | 0.028 | 0.031 | 0.029 | 0.029 | 0.064 | 936 |
| 7 | On | 0.029 | 0.029 | 0.029 | 0.030 | 0.029 | 0.031 | 0.058 | 929 |
| 8 | On | 0.029 | 0.029 | 0.030 | 0.029 | 0.030 | 0.030 | 0.053 | 941 |
| 9 | On | 0.030 | 0.030 | 0.030 | 0.030 | 0.030 | 0.030 | 0.054 | 928 |
| 10 | On | 0.030 | 0.030 | 0.030 | 0.032 | 0.031 | 0.031 | 0.062 | 933 |
| 11 | On | 0.031 | 0.031 | 0.031 | 0.031 | 0.038 | 0.038 | 0.069 | 946 |
| 12 | On | 0.038 | 0.038 | 0.038 | 0.038 | 0.040 | 0.040 | 0.078 | 961 |
| 13 | On | 0.040 | 0.039 | 0.039 | 0.039 | 0.039 | 0.039 | 0.066 | 953 |
| 14 | On | 0.039 | 0.038 | 0.038 | 0.039 | 0.038 | 0.038 | 0.065 | 949 |
| 15 | On | 0.037 | 0.037 | 0.037 | 0.037 | 0.037 | 0.036 | 0.061 | 951 |
| 16 | On | 0.036 | 0.036 | 0.036 | 0.038 | 0.037 | 0.037 | 0.095 | 947 |
| 17 | On | 0.037 | 0.037 | 0.037 | 0.036 | 0.037 | 0.037 | 0.037 | 950 |
| 18 | On | 0.037 | 0.037 | 0.037 | 0.039 | 0.038 | 0.038 | 0.078 | 958 |
| 19 | On | 0.038 | 0.038 | 0.038 | 0.041 | 0.041 | 0.041 | 0.066 | 949 |
| 20 | On | 0.041 | 0.041 | 0.041 | 0.041 | 0.041 | 0.041 | 0.041 | 932 |
| 21 | On | 0.041 | 0.041 | 0.041 | 0.041 | 0.041 | 0.040 | 0.091 | 935 |
| 22 | On | 0.040 | 0.040 | 0.040 | 0.041 | 0.041 | 0.041 | 0.087 | 926 |
| 23 | On | 0.041 | 0.041 | 0.041 | 0.041 | 0.041 | 0.041 | 0.041 | 935 |
| 24 | On | 0.041 | 0.041 | 0.043 | 0.042 | 0.042 | 0.042 | 0.083 | 946 |
| 25 | On | 0.042 | 0.042 | 0.042 | 0.043 | 0.043 | 0.043 | 0.080 | 938 |
| 26 | On | 0.043 | 0.043 | 0.043 | 0.043 | 0.044 | 0.044 | 0.085 | 944 |
| 27 | On | 0.044 | 0.044 | 0.044 | 0.044 | 0.045 | 0.045 | 0.084 | 940 |
| 28 | On | 0.044 | 0.044 | 0.044 | 0.044 | 0.046 | 0.046 | 0.080 | 950 |
| 29 | On | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 0.074 | 950 |
| 30 | On | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 0.046 | 947 |


| Natural Filtration | Monthly UV Summary |
|--|--|
| 95% of turbidity readings \leq 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: 12/6/2021 |
| | Phone #: (541) 726-2396 Cert #: D6098/T6098 |
| 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 = 5.60 Achieved = 34.78 |

Notes: * Thurston Well 2 Off

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

Thurston Well 2

System Name: Springfield Utility Board ID #: 4100837 WTP: WTP-B Month / Year: 11 / 2021

| Minimum UVT [%] during month: N/A | | | | Duty Sensor variation from reference sensor: 13.51% | | | | |
|---|------------------------------------|------------------|---|---|------------------------|--------------------------------|--|--|
| Minimum Validated UVT: 98.4% | | | Min. UV Dose achieved/intended this month: 22.8 / 15 mJ/cm ² | | | | | |
| Day | Peak Hourly Demand Flow [gpm/unit] | Well #2 [On/Off] | 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 | 942 | On | 5.6 | 24.1 | Yes | 1,046,000 | 0 | |
| 2 | 939 | On | 5.5 | 23.6 | Yes | 940,000 | 0 | |
| 3 | 938 | On | 23.2 | 23.6 | Yes | 880,000 | 0 | |
| 4 | 933 | On | 5.6 | 23.7 | Yes | 877,000 | 0 | |
| 5 | 921 | On | 5.7 | 24.6 | Yes | 786,000 | 0 | |
| 6 | 936 | On | 5.5 | 23.7 | Yes | 801,000 | 0 | |
| 7 | 929 | On | 5.6 | 23.6 | Yes | 1,073,000 | 0 | |
| 8 | 941 | On | 5.4 | 23.6 | Yes | 1,035,000 | 0 | |
| 9 | 928 | On | 5.5 | 24.3 | Yes | 1,008,000 | 0 | |
| 10 | 933 | On | 25.5 | 24.1 | Yes | 735,000 | 0 | |
| 11 | 946 | On | 5.5 | 23.9 | Yes | 688,000 | 0 | |
| 12 | 961 | On | 5.4 | 23.7 | Yes | 816,000 | 0 | |
| 13 | 953 | On | 6.0 | 23.6 | Yes | 957,000 | 0 | |
| 14 | 949 | On | 6.2 | 24.8 | Yes | 1,035,000 | 0 | |
| 15 | 951 | On | 6.2 | 23.0 | Yes | 884,000 | 0 | |
| 16 | 947 | On | 5.9 | 23.7 | Yes | 896,000 | 0 | |
| 17 | 950 | On | 21.3 | 22.9 | Yes | 1,324,000 | 0 | |
| 18 | 958 | On | 6.0 | 24.3 | Yes | 897,000 | 0 | |
| 19 | 949 | On | 5.9 | 23.8 | Yes | 1,331,000 | 0 | |
| 20 | 932 | On | 25.7 | 24.0 | Yes | 1,333,000 | 0 | |
| 21 | 935 | On | 5.6 | 23.7 | Yes | 978,000 | 0 | |
| 22 | 926 | On | 23.6 | 23.5 | Yes | 916,000 | 0 | |
| 23 | 935 | On | 5.6 | 23.6 | Yes | 1,227,000 | 0 | |
| 24 | 946 | On | 5.6 | 23.9 | Yes | 1,114,000 | 0 | |
| 25 | 938 | On | 5.5 | 23.6 | Yes | 655,000 | 0 | |
| 26 | 944 | On | 27.0 | 23.7 | Yes | 657,000 | 0 | |
| 27 | 940 | On | 5.7 | 23.7 | Yes | 653,000 | 0 | |
| 28 | 950 | On | 6.2 | 22.8 | Yes | 807,000 | 0 | |
| 29 | 950 | On | 6.2 | 23.6 | Yes | 1,149,000 | 0 | |
| 30 | 947 | On | 27.6 | 23.8 | Yes | 1,356,000 | 0 | |
| Monthly Cumulative % Off-Spec Water Produced | | | | | | | | 0.00% |
| Print Name: Dave Embleton | | | Signature:  | | | Cert #: D6098/T6098 | | Date: 12/6/2021 |

Notes: * Thurston Well 2 Off