


# 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 / 2023

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	0.040	0.038	0.038	0.039	0.038	0.038	0.066	954
2	On	0.038	0.054	0.040	0.041	0.039	0.040	0.078	953
3	On	0.039	0.039	0.060	0.040	0.039	0.040	0.062	950
4	On	0.039	0.040	0.041	0.041	0.041	0.041	0.066	943
5	On	0.041	0.041	0.041	0.103	0.082	0.068	0.175	942
6	On	0.061	0.056	0.053	0.054	0.053	0.052	0.100	935
7	On	0.051	0.051	0.050	0.052	0.051	0.051	0.094	945
8	On	0.051	0.050	0.050	0.052	0.051	0.051	0.092	932
9	On	0.051	0.051	0.051	0.051	0.051	0.051	0.095	928
10	On	0.051	0.050	0.050	0.050	0.051	0.051	0.081	941
11	On	0.051	0.050	0.050	0.050	0.050	0.050	0.051	897
12	On	0.050	0.050	0.050	0.050	0.050	0.050	0.050	894
13	On	0.050	0.050	0.050	0.050	0.053	0.052	0.134	894
14	On	0.053	0.053	0.052	0.052	0.053	0.054	0.099	911
15	On	0.054	0.054	0.054	0.073	0.056	0.056	0.092	938
16	On	0.055	0.055	0.056	0.056	0.056	0.056	0.087	946
17	On	0.056	0.056	0.056	0.058	0.057	0.057	0.096	950
18	On	0.057	0.057	0.057	0.057	0.059	0.058	0.093	939
19	On	0.058	0.058	0.058	0.060	0.060	0.060	0.089	947
20	On	0.060	0.060	0.060	0.062	0.062	0.062	0.091	938
21	On	0.062	0.062	0.062	0.063	0.063	0.063	0.092	941
22	On	0.063	0.063	0.063	0.066	0.065	0.064	0.097	926
23	On	0.064	0.064	0.064	0.066	0.065	0.065	0.094	936
24	On	0.065	0.065	0.065	0.067	0.066	0.066	0.096	932
25	On	0.066	0.066	0.066	0.068	0.067	0.067	0.097	926
26	On	0.067	0.067	0.067	0.069	0.068	0.068	0.095	935
27	On	0.068	0.068	0.070	0.069	0.073	0.072	0.119	959
28	On	0.070	0.070	0.072	0.070	0.069	0.070	0.087	949
29	On	0.070	0.070	0.070	0.071	0.070	0.071	0.091	949
30	On	0.071	0.071	0.071	0.073	0.071	0.071	0.093	950


<b>Natural Filtration</b>				<b>Monthly UV Summary</b>			
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: 12/8/2023	
				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 <sub>viral</sub> Required = 5.60 Achieved = 48.94			

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 / 2023

Minimum UVT [%] during month: <u>N/A</u>				Duty Sensor variation from reference sensor: <u>11.46%</u>				
Minimum Validated UVT: <u>98.2%</u>			Min. UV Dose achieved/intended this month: <u>22.8 / 15 mJ/cm<sup>2</sup></u>					
Day	Peak Hourly Demand Flow [gpm/unit]	Well #2 [On/Off]	Minimum Intensity [mW/cm <sup>2</sup> ]	Minimum Dose [mJ/cm <sup>2</sup> ]	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	954	On	6.4	24.8	Yes	953,000	0	
2	953	On	6.3	23.8	Yes	694,000	0	
3	950	On	6.5	23.8	Yes	1,033,000	0	
4	943	On	6.6	23.6	Yes	927,000	0	
5	942	On	6.4	23.5	Yes	851,000	0	
6	935	On	25.5	23.8	Yes	793,000	0	
7	945	On	6.5	23.6	Yes	744,000	0	
8	932	On	6.3	24.4	Yes	527,000	0	
9	928	On	28.8	24.4	Yes	830,000	0	
10	941	On	6.4	24.0	Yes	794,000	0	
11	897	On	28.1	25.0	Yes	1,290,000	0	
12	894	On	21.7	23.1	Yes	1,285,000	0	
13	894	On	25.9	23.8	Yes	1,285,000	0	
14	911	On	6.3	23.7	Yes	1,203,000	0	
15	938	On	6.2	22.8	Yes	840,000	0	
16	946	On	6.6	23.7	Yes	645,000	0	
17	950	On	25.1	24.0	Yes	758,000	0	
18	939	On	6.6	23.7	Yes	585,000	0	
19	947	On	6.5	23.1	Yes	914,000	0	
20	938	On	25.4	23.7	Yes	894,000	0	
21	941	On	6.5	23.8	Yes	622,000	0	
22	926	On	6.3	23.7	Yes	650,000	0	
23	936	On	6.3	24.9	Yes	542,000	0	
24	932	On	6.3	24.8	Yes	525,000	0	
25	926	On	6.2	24.3	Yes	710,000	0	
26	935	On	6.2	24.4	Yes	808,000	0	
27	959	On	6.2	24.3	Yes	626,000	0	
28	949	On	7.0	23.6	Yes	880,000	0	
29	949	On	6.1	24.3	Yes	875,000	0	
30	950	On	6.4	23.7	Yes	886,000	0	
<b>Monthly Cumulative % Off-Spec Water Produced</b>								<b>0.00%</b>
Print Name: Dave Embleton			Signature: 			Cert #: D6098/T6098		Date: 12/8/2023

Notes: \* Thurston Well 2 Off