


## Oregon OHA - Drinking Water Services - Turbidity Water Quality Data

System Name: Springfield Utility Board ID #: 4100837 WTP: Willamette WTP-A Month / Year: 10 / 2023


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	0.134	0.104	0.091	0.084	0.084	0.134	0.166	2,121
2	0.166	0.126	0.098	0.089	0.087	0.102	0.166	2,076
3	0.114	0.101	0.091	0.092	0.117	0.169	0.197	2,005
4	0.189	0.136	0.115	0.104	0.119	0.212	0.231	1,878
5	0.204	0.139	0.119	0.109	0.123	0.227	0.249	2,144
6	0.213	0.157	0.136	0.126	0.153	0.287	0.299	2,135
7	0.265	0.165	0.123	0.108	0.106	0.134	0.265	2,070
8	0.162	0.141	0.115	0.104	0.102	0.129	0.162	2,052
9	0.151	0.139	0.117	0.118	0.104	0.104	0.161	2,064
10	0.108	0.110	0.104	0.100	0.098	0.101	0.117	2,142
11	0.117	0.111	0.104	0.098	0.096	0.096	0.136	2,161
12	0.104	0.106	0.098	0.094	0.093	0.099	0.125	2,045
13	0.124	0.126	0.108	0.098	0.096	0.099	0.194	1,829
14	0.108	0.109	0.102	0.096	0.094	0.094	0.117	1,785
15	0.104	0.104	0.099	0.093	0.093	0.099	0.117	1,866
16	0.117	0.117	0.102	0.121	0.119	0.136	0.178	1,833
17	0.143	0.128	0.123	0.119	0.119	0.156	0.171	1,904
18	0.159	0.134	0.126	0.121	0.123	0.153	0.159	1,797
19	0.154	0.134	0.127	0.124	0.132	0.164	0.230	2,036
20	0.159	0.138	0.130	0.128	0.126	0.143	0.159	2,110
21	0.139	0.130	0.128	0.126	0.130	0.130	0.141	2,218
22	0.131	0.128	0.126	0.124	0.124	0.134	0.136	2,100
23	0.136	0.128	0.124	0.123	0.123	0.145	0.213	2,101
24	0.145	0.130	0.124	0.124	0.124	0.124	0.145	1,962
25	0.124	0.124	0.124	0.126	0.113	0.129	0.162	2,011
26	0.124	0.117	0.111	0.106	0.108	0.129	0.132	2,015
27	0.130	0.115	0.109	0.102	0.102	0.119	0.130	2,022
28	0.121	0.108	0.100	0.094	0.093	0.112	0.130	2,046
29	0.113	0.102	0.096	0.091	0.091	0.117	0.121	1,969
30	0.121	0.106	0.100	0.094	0.094	0.119	0.154	1,897
31	0.121	0.109	0.104	0.099	0.099	0.134	0.134	1,790

<b>Slow Sand Filtration</b>		<b>Monthly UV Summary</b>	
95% of turbidity readings ≤ 1 NTU? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Is the volume of off-spec water produced less than 5% in the month?	
All turbidity readings < 5 NTU? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Printed Name: Dave Embleton	
		Signature: 	Date: 11/7/2023
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 = 4.77 Achieved = 50.79

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: 10 / 2023

Minimum UVT [%] during month: N/A				Duty Sensor variation from reference sensor: 4.24%			
Minimum Validated UVT: 97.2%			Min. UV Dose achieved/intended this month: 47.5 / 38 mJ/cm <sup>2</sup>				
Day	Peak Hourly Demand Flow [gpm/unit]	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	2,121	5.6	53.6	Yes	2,876,000	0	
2	2,076	5.5	56.0	Yes	2,830,000	0	
3	2,005	5.6	57.7	Yes	2,724,000	0	
4	1,878	5.5	51.9	Yes	2,596,000	0	
5	2,144	5.3	50.6	Yes	2,683,000	0	
6	2,135	5.3	47.5	Yes	2,669,000	0	
7	2,070	5.5	53.8	Yes	2,729,000	0	
8	2,052	5.8	64.9	Yes	2,780,000	0	
9	2,064	5.8	53.6	Yes	2,750,000	0	
10	2,142	5.8	54.3	Yes	2,773,000	0	
11	2,161	5.8	51.9	Yes	2,637,000	0	
12	2,045	5.9	58.5	Yes	2,436,000	0	
13	1,829	5.9	62.5	Yes	2,461,000	0	
14	1,785	5.9	59.9	Yes	2,493,000	0	
15	1,866	5.9	64.2	Yes	2,480,000	0	
16	1,833	5.9	62.9	Yes	2,487,000	0	
17	1,904	5.8	63.5	Yes	2,475,000	0	
18	1,797	5.6	73.2	Yes	2,475,000	0	
19	2,036	5.6	57.2	Yes	2,651,000	0	
20	2,110	5.6	50.7	Yes	2,779,000	0	
21	2,218	5.7	51.1	Yes	2,750,000	0	
22	2,100	5.7	52.1	Yes	2,727,000	0	
23	2,101	5.7	51.0	Yes	2,712,000	0	
24	1,962	5.8	53.8	Yes	784,000	0	
25	2,011	5.7	56.9	Yes	1,168,000	0	
26	2,015	5.8	55.0	Yes	2,380,000	0	
27	2,022	5.7	55.0	Yes	2,477,000	0	
28	2,046	5.6	69.2	Yes	2,508,000	0	
29	1,969	5.7	64.6	Yes	2,510,000	0	
30	1,897	5.5	67.6	Yes	2,481,000	0	
31	1,790	5.4	61.4	Yes	2,464,000	0	
<b>Monthly Cumulative % Off-Spec Water Produced</b>							<b>0.00%</b>
Print Name: Dave Embleton			Signature: 		Cert #: D6098/T6098		Date: 11/7/2023

Notes: \* Willamette Wellfield Off