


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

System Name: Springfield Utility Board ID #: 4100837 WTP: Willamette WTP-A Month / Year: 7 / 2024

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	0.293	0.256	0.230	0.224	0.252	0.312	0.324	2,607
2	0.317	0.273	0.247	0.252	0.292	0.342	0.424	3,027
3	0.341	0.284	0.260	0.259	0.304	0.364	0.414	3,221
4	0.362	0.304	0.278	0.273	0.317	0.382	0.428	3,257
5	0.365	0.304	0.282	0.280	0.349	0.430	0.437	3,251
6	0.424	0.364	0.341	0.343	0.434	0.523	0.533	3,175
7	0.491	0.389	0.357	0.354	0.452	0.544	0.544	3,141
8	0.482	0.378	0.343	0.332	0.438	0.549	0.570	3,125
9	0.510	0.387	0.347	0.336	0.446	0.566	0.573	3,230
10	0.510	0.389	0.349	0.332	0.438	0.566	0.573	3,224
11	0.522	0.386	0.343	0.329	0.464	0.594	0.601	3,113
12	0.532	0.387	0.341	0.331	0.482	0.614	0.614	3,092
13	0.532	0.386	0.336	0.321	0.462	0.598	0.619	3,048
14	0.556	0.389	0.338	0.319	0.442	0.588	0.611	2,930
15	0.560	0.389	0.343	0.314	0.440	0.557	0.593	3,223
16	0.510	0.368	0.317	0.303	0.438	0.562	0.592	2,911
17	0.541	0.376	0.323	0.404	0.449	0.608	0.644	2,862
18	0.589	0.326	0.271	0.241	0.323	0.457	0.591	2,874
19	0.464	0.286	0.243	0.230	0.310	0.446	0.472	2,946
20	0.454	0.303	0.251	0.239	0.331	0.490	0.543	3,074
21	0.522	0.347	0.265	0.252	0.308	0.444	0.523	2,909
22	0.489	0.350	0.273	0.252	0.351	0.555	0.629	3,170
23	0.606	0.387	0.276	0.256	0.336	0.557	0.640	2,942
24	0.621	0.397	0.284	0.261	0.336	0.490	0.621	3,313
25	0.524	0.367	0.278	0.256	0.327	0.517	0.627	3,224
26	0.587	0.380	0.299	0.284	0.360	0.536	0.627	3,172
27	0.619	0.414	0.304	0.280	0.354	0.508	0.621	3,230
28	0.605	0.421	0.299	0.271	0.292	0.404	0.618	3,157
29	0.471	0.378	0.287	0.258	0.297	0.406	0.519	3,152
30	0.399	0.316	0.258	0.241	0.308	0.469	0.543	3,204
31	0.529	0.399	0.278	0.245	0.324	0.438	0.579	3,279


<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?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
All turbidity readings < 5 NTU? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
			Printed Name: Dave Embleton		
			Signature: 		Date: 8/7/2024
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 = 3.66 Achieved = 35.90

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: 7 / 2024

Minimum UVT [%] during month: N/A				Duty Sensor variation from reference sensor: 5.32%			
Minimum Validated UVT: 95.1%			Min. UV Dose achieved/intended this month: 42.7 / 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	2,607	4.0	45.2	Yes	3,713,000	0	
2	3,027	3.9	43.3	Yes	3,928,000	0	
3	3,221	4.0	43.7	Yes	3,387,000	0	
4	3,257	4.1	45.1	Yes	4,168,000	0	
5	3,251	4.1	45.1	Yes	4,418,000	0	
6	3,175	4.1	43.6	Yes	4,365,000	0	
7	3,141	3.9	44.1	Yes	4,366,000	0	
8	3,125	4.1	44.8	Yes	4,354,000	0	
9	3,230	4.1	45.0	Yes	4,270,000	0	
10	3,224	4.0	45.8	Yes	4,307,000	0	
11	3,113	4.1	43.4	Yes	4,286,000	0	
12	3,092	4.1	43.5	Yes	4,237,000	0	
13	3,048	4.2	43.8	Yes	4,181,000	0	
14	2,930	4.2	45.0	Yes	4,127,000	0	
15	3,223	4.2	43.1	Yes	4,137,000	0	
16	2,911	4.0	44.9	Yes	4,044,000	0	
17	2,862	4.0	42.7	Yes	3,742,000	0	
18	2,874	4.2	45.0	Yes	4,026,000	0	
19	2,946	4.6	45.4	Yes	4,155,000	0	
20	3,074	4.1	45.7	Yes	4,145,000	0	
21	2,909	4.3	50.9	Yes	4,147,000	0	
22	3,170	4.2	45.3	Yes	4,159,000	0	
23	2,942	4.2	44.9	Yes	4,188,000	0	
24	3,313	4.3	43.6	Yes	4,353,000	0	
25	3,224	4.4	45.3	Yes	4,337,000	0	
26	3,172	4.3	44.8	Yes	4,300,000	0	
27	3,230	4.3	44.9	Yes	4,275,000	0	
28	3,157	4.3	44.8	Yes	4,256,000	0	
29	3,152	4.3	45.1	Yes	4,242,000	0	
30	3,204	4.4	44.4	Yes	4,293,000	0	
31	3,279	4.3	45.3	Yes	4,363,000	0	
<b>Monthly Cumulative % Off-Spec Water Produced</b>							0.00%
<b>Print Name:</b> Dave Embleton			<b>Signature:</b> 		<b>Cert #:</b> D6098/T6098		<b>Date:</b> 8/7/2024

Notes: \* Willamette Wellfield Off