


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

System Name: Springfield Utility Board ID #: 4100837 WTP: Willamette WTP-A Month / Year: 10 / 2022

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	0.112	0.093	0.086	0.084	0.108	0.141	0.141	2,718
2	0.119	0.099	0.089	0.086	0.109	0.139	0.140	2,653
3	0.115	0.098	0.089	0.089	0.096	0.130	0.203	2,785
4	0.110	0.094	0.087	0.084	0.084	0.114	0.119	2,616
5	0.103	0.089	0.084	0.083	0.088	0.106	0.129	2,667
6	0.102	0.086	0.081	0.078	0.078	0.094	0.103	2,365
7	0.093	0.083	0.079	0.079	0.080	0.101	0.157	2,620
8	0.095	0.078	0.078	0.078	0.099	0.117	0.117	2,613
9	0.105	0.094	0.089	0.087	0.106	0.127	0.127	2,574
10	0.108	0.096	0.091	0.098	0.120	0.134	0.150	2,561
11	0.112	0.106	0.100	0.156	0.193	0.382	0.433	2,489
12	0.389	0.230	0.184	0.171	0.206	0.336	0.390	2,516
13	0.314	0.220	0.185	0.170	0.198	0.278	0.315	2,587
14	0.261	0.205	0.180	0.170	0.199	0.259	0.262	2,623
15	0.239	0.196	0.175	0.166	0.191	0.233	0.239	2,491
16	0.214	0.186	0.169	0.194	0.196	0.219	0.224	2,499
17	0.204	0.181	0.164	0.158	0.173	0.213	0.214	2,608
18	0.203	0.181	0.169	0.161	0.176	0.212	0.213	2,543
19	0.198	0.176	0.165	0.159	0.174	0.206	0.206	2,573
20	0.189	0.169	0.159	0.156	0.172	0.189	0.190	2,937
21	0.173	0.171	0.163	0.088	0.176	0.183	0.183	2,565
22	0.169	0.163	0.161	0.158	0.168	0.188	0.189	2,514
23	0.186	0.170	0.164	0.161	0.177	0.216	0.216	2,519
24	0.196	0.179	0.172	0.172	0.167	0.174	0.224	2,491
25	0.179	0.169	0.163	0.162	0.140	0.183	0.205	2,685
26	0.183	0.179	0.172	0.168	0.106	0.110	0.183	2,591
27	0.094	0.087	0.085	0.083	0.087	0.094	0.109	2,343
28	0.096	0.088	0.085	0.084	0.102	0.114	0.114	1,953
29	0.093	0.088	0.086	0.084	0.102	0.125	0.125	1,892
30	0.098	0.088	0.086	0.084	0.096	0.114	0.114	1,969
31	0.094	0.086	0.084	0.211	0.229	0.240	0.241	2,118


<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 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: 11/4/2022
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 = 4.59 Achieved = 32.25

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 / 2022

Minimum UVT [%] during month: N/A				Duty Sensor variation from reference sensor: 7.19%			
Minimum Validated UVT: 96.6%			Min. UV Dose achieved/intended this month: 43.4 / 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	2,718	4.7	43.8	Yes	3,639,000	0	
2	2,653	4.9	43.8	Yes	3,635,000	0	
3	2,785	4.7	45.0	Yes	3,636,000	0	
4	2,616	4.6	44.9	Yes	3,078,000	0	
5	2,667	4.9	44.0	Yes	3,539,000	0	
6	2,365	4.9	49.1	Yes	3,240,000	0	
7	2,620	4.9	44.2	Yes	3,535,000	0	
8	2,613	4.9	44.1	Yes	3,630,000	0	
9	2,574	4.8	44.9	Yes	3,607,000	0	
10	2,561	4.9	45.5	Yes	3,412,000	0	
11	2,489	4.7	44.2	Yes	3,394,000	0	
12	2,516	4.7	44.4	Yes	3,506,000	0	
13	2,587	4.7	45.7	Yes	3,509,000	0	
14	2,623	4.9	44.7	Yes	3,513,000	0	
15	2,491	4.9	46.1	Yes	3,507,000	0	
16	2,499	5.0	47.9	Yes	2,918,000	0	
17	2,608	4.5	43.4	Yes	3,520,000	0	
18	2,543	4.7	44.7	Yes	3,513,000	0	
19	2,573	4.4	44.2	Yes	3,559,000	0	
20	2,937	4.6	43.4	Yes	3,676,000	0	
21	2,565	4.9	43.7	Yes	3,303,000	0	
22	2,514	4.7	44.8	Yes	3,519,000	0	
23	2,519	4.3	45.4	Yes	3,506,000	0	
24	2,491	4.6	43.9	Yes	3,460,000	0	
25	2,685	4.4	44.0	Yes	2,442,000	0	
26	2,591	4.4	45.5	Yes	3,126,000	0	
27	2,343	4.4	44.9	Yes	2,140,000	0	
28	1,953	4.7	46.7	Yes	2,679,000	0	
29	1,892	4.8	55.3	Yes	2,650,000	0	
30	1,969	4.8	48.4	Yes	2,652,000	0	
31	2,118	5.1	49.6	Yes	2,652,000	0	
<b>Monthly Cumulative % Off-Spec Water Produced</b>							0.00%
Print Name: Dave Embleton			Signature: 		Cert #: D6098/T6098		Date: 11/4/2022

Notes: \* Willamette Wellfield Off