

Oregon OHA - Drinking Water Services - Turbidity Water Quality Data

System Name: Springfield Utility Board ID #: 4100837 WTP: Willamette WTP-A Month / Year: 3 / 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	0.306	0.256	0.231	0.222	0.407	0.588	0.614	1,812
2	0.358	0.282	0.252	0.244	0.325	0.414	0.414	1,738
3	0.329	0.275	0.246	0.236	0.375	0.403	0.409	2,018
4	0.306	0.262	0.232	0.219	0.329	0.386	0.424	1,925
5	0.284	0.239	0.215	0.207	0.336	0.362	0.370	2,022
6	0.278	0.236	0.210	0.207	0.416	0.426	0.503	1,768
7	0.292	0.239	0.212	0.246	0.334	0.550	0.550	2,088
8	0.443	0.306	0.256	0.246	0.246	0.499	0.512	2,240
9	0.445	0.309	0.262	0.238	0.257	0.329	0.447	2,026
10	0.334	0.280	0.239	0.218	0.223	0.294	0.334	1,910
11	0.301	0.241	0.210	0.193	0.273	0.479	0.485	1,765
12	0.301	0.241	0.210	0.193	0.273	0.479	0.485	1,765
13	0.277	0.239	0.206	0.189	0.186	0.207	0.277	1,797
14	0.214	0.206	0.184	0.154	0.157	0.273	0.335	1,979
15	0.334	0.229	0.179	0.162	0.184	0.414	0.466	2,114
16	0.399	0.236	0.182	0.168	0.218	0.548	0.581	1,898
17	0.458	0.244	0.180	0.164	0.227	0.505	0.536	1,811
18	0.446	0.239	0.176	0.162	0.207	0.507	0.549	1,830
19	0.456	0.231	0.173	0.158	0.157	0.242	0.456	1,914
20	0.262	0.184	0.156	0.147	0.164	0.327	0.363	1,851
21	0.343	0.210	0.164	0.151	0.168	0.392	0.405	1,866
22	0.334	0.206	0.162	0.149	0.223	0.327	0.336	1,970
23	0.282	0.180	0.153	0.084	0.142	0.168	0.282	1,990
24	0.181	0.173	0.141	0.132	0.126	0.179	0.188	2,042
25	0.188	0.166	0.141	0.132	0.130	0.166	0.188	1,769
26	0.183	0.168	0.145	0.138	0.138	0.190	0.201	1,763
27	0.201	0.171	0.147	0.145	0.179	0.205	0.205	2,020
28	0.182	0.153	0.143	0.138	0.146	0.196	0.211	1,706
29	0.206	0.154	0.139	0.136	0.157	0.244	0.248	1,778
30	0.229	0.164	0.145	0.139	0.218	0.253	0.261	1,851
31	0.261	0.218	0.189	0.176	0.184	0.261	0.270	2,147

Slow Sand Filtration

95% of turbidity readings \leq 1 NTU?☒ Yes ☐ NoAll turbidity readings $<$ 5 NTU?☒ Yes ☐ No

Monthly UV Summary

Is the volume of off-spec water produced less than 5% in the month?

☒ Yes ☐ No

Printed Name: Dave Embleton


Signature: 

Date: 4/6/2023

Is there a 4-log virus inactivation provided with ☒ Chlorine; ☒ Yes ☐ NoCT_{viral} Required = 7.16
Achieved = 49.03

Notes: * Willamette Wellfield Off

Oregon OHA - Drinking Water Services - UV Surface Water Quality DataSystem Name: Springfield Utility Board ID #: 4100837 WTP: Willamette WTP-A Month / Year: 3 / 2023

Minumum UVT [%] during month: N/A				Duty Sensor variation from reference sensor: 7.04%			
Minimum Validated UVT: 96.2%			Min. UV Dose achieved/intended this month: 43.1 / 38 mJ/cm²				
Day	Peak Hourly Demand Flow	Minimum Intensity	Minimum Dose	All Lamps On?	Daily Water Produced {A}	Water Outside Validated Conditions {B}	Cumulative Off-Spec Water Produced
	[gpm/unit]	[mW/cm²]	[mJ/cm²]	[Yes/No]	[gal]	[gal]	(({B}/{A}))*100 [%]
1	1,812	3.3	45.8	Yes	2,230,000	0	
2	1,738	3.1	49.2	Yes	1,817,000	0	
3	2,018	3.3	44.2	Yes	2,488,000	0	
4	1,925	3.5	45.3	Yes	2,510,000	0	
5	2,022	3.9	44.7	Yes	2,453,000	0	
6	1,768	3.4	44.7	Yes	2,393,000	0	
7	2,088	3.5	43.9	Yes	2,520,000	0	
8	2,240	3.4	43.1	Yes	1,856,000	0	
9	2,026	3.8	49.0	Yes	2,507,000	0	
10	1,910	3.9	44.5	Yes	2,548,000	0	
11	1,765	4.0	44.9	Yes	2,475,000	0	
12	1,765	4.0	44.9	Yes	2,475,000	0	
13	1,797	4.0	52.5	Yes	2,384,000	0	
14	1,979	4.1	43.5	Yes	2,535,000	0	
15	2,114	3.8	45.9	Yes	2,539,000	0	
16	1,898	3.8	46.0	Yes	2,552,000	0	
17	1,811	3.7	47.1	Yes	2,517,000	0	
18	1,830	3.9	46.0	Yes	2,510,000	0	
19	1,914	3.8	45.9	Yes	2,521,000	0	
20	1,851	4.0	47.2	Yes	2,511,000	0	
21	1,866	3.9	47.1	Yes	2,543,000	0	
22	1,970	4.0	47.9	Yes	2,143,000	0	
23	1,990	4.2	44.8	Yes	2,544,000	0	
24	2,042	4.3	46.1	Yes	2,505,000	0	
25	1,769	4.3	45.0	Yes	2,371,000	0	
26	1,763	4.1	53.9	Yes	2,345,000	0	
27	2,020	4.2	45.2	Yes	2,427,000	0	
28	1,706	4.2	45.3	Yes	2,375,000	0	
29	1,778	4.2	53.2	Yes	2,320,000	0	
30	1,851	4.1	44.2	Yes	2,373,000	0	
31	2,147	4.1	50.0	Yes	2,499,000	0	
Monthly Cumulative % Off-Spec Water Produced							0.00%
Print Name: Dave Embleton		Signature: 			Cert #: D6098/T6098		Date: 4/7/2023

Notes: * Willamette Wellfield Off