

PWS ID # 4100731

Sample Period: November 2022

Salem Public Works Department

### Chlorine/Turbidity/Fluoride Monitoring Report

Marion County

	Finished Water Turbidity *	Finished Water Total Daily Flow	Minimum Chlorine Residual at First User	Fluoride Grab	Fluoride Feed Rate
Location:	Geren Island	Geren Island	Aldersgate**	Aldersgate**	Geren Island
Source ID:	WTP-A	WTP-A	EP-A	EP-A	WTP-A
Unit	ntu	MGD	mg/L	mg/L	GPD
11/1/2022	0.04	22.1	1.49	0.61	55
11/2/2022	0.04	22.1	1.40	0.63	54
11/3/2022	0.04	20.6	1.42	0.65	50
11/4/2022	0.04	19.7	1.37	0.64	48
11/5/2022	0.04	15.3	1.45	0.65	34
11/6/2022	0.04	19.7	1.44	0.59	47
11/7/2022	0.04	19.6	1.43	0.62	47
11/8/2022	0.04	21.7	1.41	0.62	53
11/9/2022	0.04	23.3	1.44	0.63	58
11/10/2022	0.04	21.3	1.40	0.64	52
11/11/2022	0.04	20.4	1.37	0.62	49
11/12/2022	0.04	20.3	1.29	0.60	47
11/13/2022	0.04	19.5	1.40	0.60	47
11/14/2022	0.04	19.1	1.37	0.60	45
11/15/2022	0.04	19.8	1.41	0.58	49
11/16/2022	0.04	21.0	1.37	0.60	54
11/17/2022	0.04	20.1	1.39	0.63	51
11/18/2022	0.04	19.0	1.32	0.63	47
11/19/2022	0.04	19.2	1.32	0.62	48
11/20/2022	0.04	19.2	1.43	0.62	48
11/21/2022	0.04	19.3	1.49	0.62	48
11/22/2022	0.04	19.3	1.47	0.60	48
11/23/2022	0.04	19.3	1.48	0.61	49
11/24/2022	0.04	19.5	1.48	0.65	50
11/25/2022	0.04	19.6	1.38	0.68	51
11/26/2022	0.04	20.3	1.43	0.68	53
11/27/2022	0.04	21.5	1.43	0.69	56
11/28/2022	0.04	21.4	1.34	0.70	55
11/29/2022	0.04	21.4	1.33	0.66	55
11/30/2022	0.04	21.5	1.23	0.66	55
Total		605.9			1,503
Average	0.04	20.2	1.4	0.63	

\*Finished water turbidity results are the highest reading of the day from combined filter effluent samples prior to reservoir

\*\*Aldersgate sample site: Aldersgate 7790 Marion Rd. SE, Turner OR. Entry Point A

Treatment: SSF

**OHA-Drinking Water Program- Surface Water Quality Form**

**County Marion**

**Salem Public Works**

**ID# OR4100731**

**WTP-A**

**Mo/Yr**

**November,2022**

DATE	Time 0000-2400	Minimum Cl2 Residual at first user (C) mg/L	Contact Time (T) Minutes	Actual CT  C X T	Temp  (Deg. C)	pH	Required CT	CT Met?  Yes/No	Peak Hourly Demand Flow  (MGD)
1	2253	1.50	682	1,024	13.5	7.4	48	Y	8.5
2	407	1.48	400	592	13.5	7.4	48	Y	14.5
3	1757	1.45	416	603	12.1	7.6	58	Y	14.0
4	2120	1.52	494	750	13.5	7.6	58	Y	11.8
5	2148	1.51	509	768	12.4	7.6	58	Y	11.4
6	1753	1.56	505	788	12.1	7.4	48	Y	11.5
7	1803	1.53	511	781	11.9	7.5	48	Y	11.4
8	1838	1.50	356	534	12.0	7.5	48	Y	16.3
9	1353	1.45	358	519	11.5	7.5	48	Y	16.2
10	2238	1.42	430	611	11.8	7.4	48	Y	13.5
11	2355	1.42	483	686	11.7	7.4	48	Y	12.0
12	118	1.32	483	638	11.5	7.5	47	Y	12.0
13	2322	1.42	483	686	11.8	7.6	58	Y	12.0
14	2007	1.41	552	779	10.5	7.5	48	Y	10.5
15	1622	1.46	552	807	10.5	7.5	48	Y	10.5
16	2316	1.38	460	635	10.2	7.5	47	Y	12.6
17	2357	1.31	461	604	10.5	7.5	47	Y	12.6
18	933	1.39	566	787	10.5	7.6	57	Y	10.2
19	55	1.45	574	832	11.9	7.6	58	Y	10.1
20	1047	1.47	574	843	11.6	7.7	58	Y	10.1
21	959	1.46	576	841	11.2	7.6	58	Y	10.1
22	1146	1.53	580	887	11.0	7.6	58	Y	10.0
23	1106	1.45	580	841	10.7	7.5	48	Y	10.0
24	154	1.50	527	791	9.3	7.5	64	Y	11.0
25	1230	1.46	544	794	9.1	7.7	77	Y	10.7
26	1430	1.40	454	635	9.1	7.7	76	Y	12.8
27	1055	1.41	453	639	9.0	7.7	77	Y	12.8
28	1011	1.53	460	704	8.9	7.6	77	Y	12.6
29	1038	1.50	458	687	8.8	7.6	77	Y	12.7
30	1159	1.46	461	674	8.8	7.7	77	Y	12.6

\* Site: Line 1 Aldersgate CT sample point, 7790 Marion Rd. SE Turner, OR

OHA-Drinking Water Program- Surface Water Quality Form							County	Marion		
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		November,2022			
DATE	Time 0000-2400	Minimum Cl2 Residual at first user (C) mg/L	Contact Time (T) Minutes	Actual CT  C X T	Temp  (Deg. C)	pH	Required CT	CT Met?  Yes/No	Peak Hourly Demand Flow  (MGD)	
1	1317	1.49	609	907	13.5	7.5	48	Y	14.0	
2	1920	1.40	775	1,084	12.7	7.5	48	Y	11.0	
3	659	1.42	775	1,101	12.5	7.6	58	Y	11.0	
4	1740	1.37	514	704	13.4	7.6	57	Y	16.6	
5	1134	1.45	572	829	12.7	7.5	47	Y	14.9	
6	1636	1.44	937	1,350	12.1	7.5	48	Y	9.1	
7	2131	1.43	946	1,352	12.5	7.5	48	Y	9.0	
8	1927	1.41	605	853	12.6	7.5	48	Y	14.1	
9	1335	1.44	714	1,028	12.0	7.6	58	Y	11.9	
10	1554	1.40	812	1,137	12.0	7.4	48	Y	10.5	
11	2123	1.37	897	1,229	12.0	7.4	47	Y	9.5	
12	1349	1.29	897	1,157	11.5	7.5	47	Y	9.5	
13	1427	1.40	852	1,193	11.5	7.7	58	Y	10.0	
14	1528	1.37	897	1,229	11.7	7.6	57	Y	9.5	
15	837	1.41	897	1,264	11.7	7.5	48	Y	9.5	
16	1123	1.37	924	1,266	11.4	7.5	47	Y	9.2	
17	1824	1.39	757	1,052	10.6	7.5	47	Y	11.3	
18	1330	1.32	871	1,150	10.3	7.6	57	Y	9.8	
19	1131	1.32	875	1,155	11.6	7.7	57	Y	9.7	
20	1455	1.43	868	1,241	11.5	7.8	58	Y	9.8	
21	2046	1.49	873	1,301	10.4	7.7	58	Y	9.8	
22	1632	1.47	852	1,252	10.6	7.6	58	Y	10.0	
23	2359	1.48	852	1,261	9.8	7.4	64	Y	10.0	
24	1315	1.48	811	1,201	10.1	7.6	58	Y	10.5	
25	1833	1.38	881	1,216	9.9	7.8	76	Y	9.7	
26	1145	1.43	716	1,024	9.9	7.7	76	Y	11.9	
27	54	1.43	878	1,256	9.7	7.7	77	Y	9.7	
28	1818	1.34	895	1,199	9.5	7.7	76	Y	9.5	
29	2334	1.33	795	1,057	9.5	7.6	76	Y	10.7	
30	2150	1.23	877	1,078	9.2	7.6	76	Y	9.7	

\* Site: Line 2 at Aldersgate CT point, 7790 Marion Rd. SE. Turner, OR

Report Date: Dec 05, 2022



## Chlorine/Turbidity/CT Summary Report

<b>PWS ID#:</b> <span style="border: 1px solid black; padding: 2px;">4100731</span> <b>System Name:</b> <i>Salem Public Works Department</i> <b>Address:</b> 1410 20th St SE, Bldg 2 Salem OR 97302 <b>Contact Person:</b> Dwayne Barnes, Utility Operations Manager <b>Contact Number:</b> 503-588-6483 <b>Source Water:</b> North Santiam River <b>Treatment Type:</b> Slow Sand Filtration <b>Sample Location:</b> Aldersgate and Geren Island	<b>Sample Period:</b> <span style="border: 1px solid black; padding: 2px;">November 2022</span> <b>Laboratory Results:</b> <i>Willow Lake Lab</i> <b>OHD-Certified Lab:</b> OR100010 <b>Date Report Issued:</b> 12/5/2022 <b>Contact Person:</b> Paul Mitchell <b>Contact Number:</b> 503-588-6380 <b>Sampler:</b> Treatment Operators <b>Sample Date:</b> As reported <b>Source ID #:</b> EP-A and WTP-A
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### Summary Table

<b>1. Turbidity</b>	Were 95 percent of the <b>turbidity</b> readings less than or equal to <b>1.0 NTU</b> for the month?	<b>Yes</b>
<b>2. Turbidity</b>	Were all <b>turbidity</b> readings less than or equal to <b>5.0 NTU</b> for the month?	<b>Yes</b>
<b>3. CT</b>	Were all <b>CTs</b> values met each day of the month?	<b>Yes</b>
<b>4. Chlorine</b>	Were all entry point <b>chlorine residuals</b> readings greater than or equal to <b>0.2 mg/L</b> for the month?	<b>Yes</b>
<b>5. Chlorine</b>	Was a detectable chlorine residual measured in at least 95% of the samples measured for the month?	<b>Yes</b>

Print Name: Dwayne Barnes, Utility Operations Manager

Signature:

Date: December 5, 2022