

PWS ID # 4100731

Sample Period: January 2024

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
<b>Location:</b>	Geren Island	Geren Island	Aldersgate**	Aldersgate**	Geren Island
<b>Source ID:</b>	WTP-A	WTP-A	EP-A	EP-A	WTP-A
<b>Unit</b>	<b>ntu</b>	<b>MGD</b>	<b>mg/L</b>	<b>mg/L</b>	<b>GPD</b>
1/1/2024	0.05	24.7	1.29	0.55	64
1/2/2024	0.06	24.6	1.27	0.55	63
1/3/2024	0.05	24.6	1.22	0.55	63
1/4/2024	0.06	24.5	1.11	0.55	63
1/5/2024	0.05	24.7	1.05	0.55	63
1/6/2024	0.08	25.0	1.05	0.55	65
1/7/2024	0.07	25.1	1.04	0.55	65
1/8/2024	0.09	24.9	1.14	0.56	64
1/9/2024	0.10	24.8	1.15	0.56	64
1/10/2024	0.10	23.9	1.24	0.55	61
1/11/2024	0.10	23.2	1.20	0.55	59
1/12/2024	0.23	23.6	1.18	0.52	59
1/13/2024	0.18	23.7	1.11	0.52	60
1/14/2024	0.17	23.9	1.34	0.54	61
1/15/2024	0.19	24.2	1.19	0.54	58
1/16/2024	0.19	24.5	1.14	0.53	62
1/17/2024	0.16	26.6	1.17	0.54	69
1/18/2024	0.39	28.9	0.97	0.61	76
1/19/2024	0.60	25.3	1.11	0.60	65
1/20/2024	0.47	21.2	1.14	0.59	53
1/21/2024	0.38	24.7	1.25	0.58	63
1/22/2024	0.20	27.5	1.34	0.60	71
1/23/2024	0.28	26.2	1.25	0.61	68
1/24/2024	0.13	27.2	1.21	0.57	70
1/25/2024	0.10	29.3	1.18	0.57	76
1/26/2024	0.09	31.0	1.16	0.59	81
1/27/2024	0.09	30.6	1.23	0.57	79
1/28/2024	0.13	30.4	1.31	0.57	79
1/29/2024	0.15	30.1	1.29	0.58	78
1/30/2024	0.09	30.4	1.24	0.57	79
1/31/2024	0.08	30.5	1.14	0.58	79
<b>Total</b>		809.6			<b>2,080</b>
<b>Average</b>	<b>0.16</b>	26.1	1.18	0.56	

\*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		January,2024			
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	341	1.29	920	1,187	9.2	7.4	62	Y	9.3	
2	1943	1.32	897	1,184	9.0	7.5	62	Y	9.5	
3	2122	1.27	897	1,139	9.0	7.5	62	Y	9.5	
4	1409	1.24	897	1,112	8.8	7.5	62	Y	9.5	
5	1131	1.18	852	1,005	8.9	7.6	74	Y	10.0	
6	2303	1.08	897	969	8.8	7.6	74	Y	9.5	
7	436	1.04	897	933	9.0	7.6	74	Y	9.5	
8	318	1.14	897	1,022	8.6	7.5	61	Y	9.5	
9	148	1.15	897	1,031	8.5	7.5	61	Y	9.5	
10	986	1.24	795	986	8.5	7.5	61	Y	10.7	
11	1330	1.20	1,106	1,328	8.4	7.5	61	Y	7.7	
12	1315	1.18	1,080	1,274	8.5	7.5	61	Y	7.9	
13	318	1.11	1,002	1,113	7.7	7.5	61	Y	8.5	
14	13	1.34	911	1,221	7.5	7.5	62	Y	9.4	
15	322	1.42	947	1,344	5.7	7.6	77	Y	9.0	
16	2154	1.22	947	1,155	6.4	7.5	62	Y	9.0	
17	1526	1.18	461	543	6.7	7.6	74	Y	18.5	
18	1844	1.00	516	516	6.3	7.5	61	Y	16.5	
19	1126	1.11	456	506	6.5	7.7	74	Y	18.7	
20	2143	1.26	768	967	6.7	7.7	76	Y	11.1	
21	142	1.25	494	617	6.8	7.7	76	Y	17.3	
22	2	1.34	725	972	7.9	7.6	76	Y	11.8	
23	1831	1.39	516	718	7.9	7.5	62	Y	16.5	
24	1144	1.25	757	947	7.7	7.6	76	Y	11.3	
25	1511	1.18	530	626	7.9	7.6	74	Y	16.1	
26	33	1.24	516	640	8.3	7.4	62	Y	16.5	
27	350	1.27	564	717	8.3	7.4	62	Y	15.1	
28	400	1.31	566	742	8.2	7.4	62	Y	15.0	
29	516	1.36	575	782	8.3	7.4	62	Y	14.8	
30	2209	1.30	588	764	8.8	7.4	62	Y	14.5	
31	2205	1.25	561	701	9.0	7.4	62	Y	15.2	

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

Report Date: Feb 05, 2024

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

**County Marion**

**Salem Public Works**

**ID# OR4100731**

**WTP-A**

**Mo/Yr**

**January,2024**

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	2337	1.33	362	481	8.8	7.4	62	Y	16.0
2	2327	1.27	363	460	8.8	7.5	62	Y	16.0
3	2338	1.22	363	442	8.8	7.5	62	Y	16.0
4	2114	1.11	363	402	9.0	7.4	61	Y	16.0
5	2306	1.05	352	369	8.7	7.6	74	Y	16.5
6	2303	1.05	352	369	8.9	7.6	74	Y	16.5
7	1533	1.20	352	422	9.1	7.5	61	Y	16.5
8	942	1.16	352	408	8.5	7.5	61	Y	16.5
9	24	1.30	363	471	8.5	7.5	62	Y	16.0
10	1813	1.26	359	452	8.5	7.5	62	Y	16.2
11	153	1.29	358	462	8.7	7.4	62	Y	16.2
12	1228	1.18	357	421	8.1	7.5	61	Y	16.2
13	13	1.27	363	460	7.9	7.4	62	Y	16.0
14	2329	1.41	363	512	7.6	7.4	64	Y	16.0
15	2245	1.19	363	431	5.7	7.6	74	Y	16.0
16	2319	1.14	363	413	5.6	7.5	61	Y	16.0
17	2350	1.17	352	411	6.2	7.6	74	Y	16.5
18	1439	0.97	446	433	6.3	7.6	72	Y	13.0
19	452	1.17	444	520	6.3	7.7	74	Y	13.1
20	1	1.14	531	605	6.8	7.7	74	Y	10.9
21	53	1.27	352	446	6.9	7.7	76	Y	16.5
22	2033	1.37	356	488	7.1	7.6	76	Y	16.3
23	2103	1.25	341	426	7.7	7.5	62	Y	17.0
24	1623	1.21	350	423	8.2	7.5	62	Y	16.6
25	1909	1.19	334	397	8.4	7.5	61	Y	17.4
26	2220	1.16	331	384	8.3	7.4	61	Y	17.5
27	52	1.23	358	440	8.4	7.4	62	Y	16.2
28	612	1.31	360	472	8.3	7.4	62	Y	16.1
29	2143	1.29	362	467	8.8	7.4	62	Y	16.0
30	1709	1.24	352	436	9.0	7.4	62	Y	16.5
31	2329	1.14	356	406	9.1	7.4	61	Y	16.3

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




## Chlorine/Turbidity/CT Summary Report

<b>PWS ID#:</b>	<b>4100731</b>	<b>Sample Period:</b>	<b>January 2024</b>
<b>System Name:</b>	<i>Salem Public Works Department</i>	<b>Laboratory Results:</b>	<i>Willow Lake Lab</i>
<b>Address:</b>	1410 20th St SE, Bldg 2 Salem OR 97302	<b>OHD-Certified Lab</b>	OR100010
<b>Contact Person:</b>	Dwayne Barnes, Utility Operations Manager	<b>Date Report Issued:</b>	2/5/2024
<b>Contact Number:</b>	503-588-6483	<b>Contact Person:</b>	Paul Mitchell
<b>Source Water:</b>	North Santiam River	<b>Contact Number:</b>	503-588-6380
<b>Treatment Type:</b>	Slow Sand Filtration	<b>Sampler:</b>	Treatment Operators
<b>Sample Location:</b>	Aldersgate and Geren Island	<b>Sample Date:</b>	As reported
		<b>Source ID #:</b>	EP-A and WTP-A

### 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: February 5, 2024