

PWS ID # 4100731

Sample Period: July 2023

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>
7/1/2023	0.05	40.0	1.20	0.63	109
7/2/2023	0.05	37.4	1.22	0.63	101
7/3/2023	0.05	42.2	1.11	0.60	115
7/4/2023	0.05	45.1	1.19	0.63	124
7/5/2023	0.05	42.9	1.08	0.62	116
7/6/2023	0.05	43.0	1.19	0.62	116
7/7/2023	0.05	43.0	1.10	0.62	116
7/8/2023	0.05	43.0	1.08	0.63	115
7/9/2023	0.05	42.7	1.09	0.64	114
7/10/2023	0.05	42.7	0.99	0.62	114
7/11/2023	0.05	42.5	1.01	0.62	114
7/12/2023	0.05	42.4	1.08	0.61	113
7/13/2023	0.05	41.9	1.08	0.65	112
7/14/2023	0.05	39.2	1.04	0.65	104
7/15/2023	0.05	39.7	1.08	0.64	105
7/16/2023	0.06	40.9	1.12	0.65	108
7/17/2023	0.05	42.1	1.16	0.66	111
7/18/2023	0.05	43.6	1.05	0.64	114
7/19/2023	0.06	37.6	1.03	0.64	99
7/20/2023	0.05	41.4	1.02	0.64	112
7/21/2023	0.05	42.0	1.07	0.65	114
7/22/2023	0.05	42.0	1.03	0.64	114
7/23/2023	0.05	41.8	1.06	0.64	114
7/24/2023	0.05	41.9	1.15	0.65	114
7/25/2023	0.05	35.0	1.80	0.64	90
7/26/2023	0.05	31.3	1.15	0.62	81
7/27/2023	0.05	31.5	1.09	0.60	81
7/28/2023	0.05	36.0	1.09	0.61	94
7/29/2023	0.05	40.9	1.11	0.64	109
7/30/2023	0.05	41.8	1.13	0.64	112
7/31/2023	0.05	41.6	1.13	0.66	112
<b>Total</b>		1,259.0			<b>3,367</b>
<b>Average</b>	<b>0.05</b>	40.6	1.1	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		July,2023			
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	551	1.15	394	453	19.7	7.4	31	Y	14.7	
2	310	1.20	424	508	19.4	7.4	31	Y	13.7	
3	1023	1.09	331	361	19.5	7.5	31	Y	17.5	
4	2057	1.18	327	385	19.4	7.4	31	Y	17.8	
5	1355	1.04	322	335	19.5	7.4	31	Y	18.0	
6	1218	1.11	363	402	20.1	7.5	23	Y	16.0	
7	1313	1.05	376	395	20.1	7.4	23	Y	15.4	
8	1304	1.05	374	393	19.5	7.4	31	Y	15.5	
9	905	1.07	374	400	19.2	7.4	31	Y	15.5	
10	1837	0.96	387	371	18.2	7.4	30	Y	15.0	
11	48	0.97	387	375	19.0	7.5	30	Y	15.0	
12	1234	1.08	377	407	17.8	7.6	37	Y	15.4	
13	1152	1.08	378	408	19.7	7.5	31	Y	15.3	
14	1643	1.03	483	498	19.7	7.5	31	Y	12.0	
15	1056	1.08	400	432	20.2	7.6	28	Y	14.5	
16	1447	1.11	414	460	20.7	7.5	23	Y	14.0	
17	2021	1.13	414	468	20.6	7.5	23	Y	14.0	
18	1809	1.00	341	341	20.6	7.5	22	Y	17.0	
19	1403	1.01	336	340	20.2	7.6	28	Y	17.2	
20	1934	1.00	358	358	20.2	7.4	22	Y	16.2	
21	1116	1.03	352	362	20.3	7.5	23	Y	16.5	
22	1257	0.99	360	356	21.0	7.5	22	Y	16.1	
23	1126	1.01	364	368	20.7	7.5	23	Y	15.9	
24	536	1.04	364	378	20.4	7.4	23	Y	15.9	
25	1921	1.10	366	403	20.4	7.6	28	Y	15.9	
26	1835	1.11	548	609	19.9	7.6	37	Y	10.6	
27	2203	1.06	557	591	20.4	7.6	28	Y	10.4	
28	1556	1.02	314	320	20.2	7.7	28	Y	18.5	
29	1017	1.02	309	315	19.9	7.5	31	Y	18.8	
30	1128	1.06	312	330	19.5	7.6	37	Y	18.6	
31	1448	1.05	315	330	18.3	7.6	37	Y	18.4	

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

Report Date: Aug 02, 2023

OHA-Drinking Water Program- Surface Water Quality Form							County	Marion	
Salem Public Works		ID# OR4100731	WTP-A	Mo/Yr		July,2023			
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	740	1.20	275	329	18.5	7.4	31	Y	31.0
2	748	1.22	290	354	18.6	7.4	31	Y	29.4
3	848	1.11	262	291	18.6	7.5	31	Y	32.5
4	1940	1.19	303	360	18.6	7.5	31	Y	28.1
5	1828	1.08	251	271	18.6	7.4	31	Y	34.0
6	4	1.19	299	356	19.7	7.5	31	Y	28.5
7	1817	1.10	293	322	19.1	7.5	31	Y	29.1
8	1354	1.08	304	329	18.7	7.5	31	Y	28.0
9	932	1.09	310	338	18.5	7.5	31	Y	27.5
10	1806	0.99	304	301	18.4	7.4	30	Y	28.0
11	1403	1.01	304	307	18.4	7.5	31	Y	28.0
12	1537	1.08	304	329	18.3	7.5	31	Y	28.0
13	1046	1.08	271	292	18.8	7.5	31	Y	31.5
14	1737	1.04	279	291	18.9	7.6	37	Y	30.5
15	1036	1.08	258	279	19.2	7.5	31	Y	33.0
16	1333	1.12	266	298	19.6	7.5	31	Y	32.0
17	2027	1.16	266	309	19.7	7.5	31	Y	32.0
18	1831	1.05	237	248	19.6	7.5	31	Y	36.0
19	1724	1.03	213	219	19.4	7.6	37	Y	40.0
20	1853	1.02	306	313	19.3	7.5	31	Y	27.8
21	1109	1.07	316	338	19.4	7.5	31	Y	27.0
22	1137	1.03	320	329	20.2	7.5	23	Y	26.7
23	1055	1.06	320	339	19.7	7.5	31	Y	26.6
24	1002	1.15	320	368	19.8	7.5	31	Y	26.6
25	1644	1.80	270	486	19.4	7.7	37	Y	31.6
26	1755	1.15	383	440	19.9	7.6	37	Y	22.3
27	1926	1.09	392	427	19.5	7.7	37	Y	21.7
28	1817	1.09	289	315	19.7	7.6	37	Y	29.5
29	1338	1.11	349	388	19.4	7.6	37	Y	24.4
30	1109	1.13	350	395	19.1	7.7	37	Y	24.4
31	1118	1.13	347	392	18.9	7.7	37	Y	24.6

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

Report Date: Aug 02, 2023



## Chlorine/Turbidity/CT Summary Report

<b>PWS ID#:</b>	<b>4100731</b>	<b>Sample Period:</b>	<b>July 2023</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>	8/2/2023
<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: 8/2/2023