

PWS ID # 4100731

Sample Period September 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 Grab	Fluoride Feed Rate
Location:	Geren Island	Geren Island	Aldersgate**	Aldersgate** (Line 1)	Aldersgate** (Line 2)	Geren Island
Source ID:	WTP-A	WTP-A	EP-A	EP-A	EP-A	WTP-A
Unit	ntu	MGD	mg/L	mg/L	mg/L	GPD
9/1/2024	0.05	31.5	2.06	0.63	0.63	93
9/2/2024	0.06	34.7	2.00	0.68	0.71	90
9/3/2024	0.05	38.4	1.94	0.75	0.73	111
9/4/2024	0.05	41.1	1.78	0.77	0.78	127
9/5/2024	0.05	38.3	1.76	0.78	0.75	116
9/6/2024	0.05	33.8	1.89	0.73	0.80	97
9/7/2024	0.05	35.2	1.86	0.73	0.77	102
9/8/2024	0.05	35.2	1.82	0.73	0.74	101
9/9/2024	0.05	35.3	1.59	0.71	0.75	101
9/10/2024	0.05	36.5	1.49	0.75	0.74	106
9/11/2024	0.05	31.5	1.49	0.67	0.67	91
9/12/2024	0.04	27.5	1.38	0.64	0.65	77
9/13/2024	0.05	27.3	1.37	0.64	0.64	76
9/14/2024	0.05	27.4	1.46	0.62	0.63	76
9/15/2024	0.05	26.7	1.40	0.62	0.64	74
9/16/2024	0.04	37.8	1.53	0.66	0.69	127
9/17/2024	0.04	31.5	1.36	Offline	0.75	96
9/18/2024	0.04	28.9	1.31	Offline	0.72	91
9/19/2024	0.04	31.5	1.31	Offline	0.72	94
9/20/2024	0.04	31.5	1.30	Offline	0.72	93
9/21/2024	0.04	31.5	1.43	Offline	0.72	93
9/22/2024	0.04	31.6	1.30	Offline	0.70	93
9/23/2024	0.04	31.5	1.24	Offline	0.71	93
9/24/2024	0.04	32.9	1.15	Offline	0.73	98
9/25/2024	0.04	33.7	1.28	Offline	0.75	100
9/26/2024	0.04	32.8	1.21	Offline	0.74	97
9/27/2024	0.04	31.4	1.16	Offline	0.76	93
9/28/2024	0.04	28.4	1.15	Offline	0.76	82
9/29/2024	0.04	27.3	1.16	Offline	0.75	79
9/30/2024	0.04	28.3	1.17	Offline	0.75	84
Total		970.9				2,851
Average	0.05	32.4	1.48	0.69	0.72	

\*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		September,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	15	2.13	632	1,347	18.7	7.7	41	Y	7.0
2	1401	2.14	639	1,367	18.8	7.7	41	Y	7.0
3	1846	1.98	648	1,283	18.4	7.6	41	Y	6.9
4	1726	1.95	655	1,277	18.1	7.7	41	Y	6.8
5	620	1.94	585	1,135	18.1	7.7	41	Y	7.6
6	2123	1.90	647	1,230	18.0	7.8	41	Y	6.9
7	1431	2.04	561	1,144	17.9	7.8	41	Y	7.9
8	1437	1.89	584	1,104	18.6	7.7	41	Y	7.6
9	2359	1.81	550	995	18.2	7.8	41	Y	8.1
10	2323	1.67	685	1,144	17.5	7.7	40	Y	6.5
11	1119	1.49	636	948	17.5	7.7	39	Y	7.0
12	1719	1.38	685	945	17.2	7.7	38	Y	6.5
13	1437	1.37	685	938	16.9	7.7	38	Y	6.5
14	401	1.46	696	1,016	16.8	7.8	39	Y	6.4
15	1900	1.40	635	889	16.8	7.7	38	Y	7.0
16	1720	1.53	431	659	17.0	7.8	39	Y	10.3
17	1237	1.46	706	1,030	16.7	7.6	39	Y	6.3
18	712	1.37	892	1,222	16.5	7.7	38	Y	5.0
19	1433	1.33	642	853	16.1	7.7	38	Y	6.9
20	255	1.39	653	907	16.3	7.8	38	Y	6.8
21	1616	1.43	687	982	16.3	7.7	39	Y	6.5
22	2342	1.37	687	941	16.3	7.6	38	Y	6.5
23	1228	1.32	716	945	16.3	7.6	38	Y	6.2
24	1556	1.21	685	829	16.6	7.6	38	Y	6.5
25	1909	1.31	730	956	16.4	7.5	31	Y	6.1
26	1541	1.23	733	902	16.4	7.5	31	Y	6.1
27	1006	1.24	711	882	16.2	7.5	31	Y	6.3
28	201	1.23	636	782	16.5	7.6	38	Y	7.0
29	1102	1.23	636	782	16.3	7.6	38	Y	7.0
30	1238	1.25	636	795	16.2	7.6	38	Y	7.0

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

Report Date: Oct 03, 2024

OHA-Drinking Water Program- Surface Water Quality Form							County	Marion		
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		September,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	654	2.06	324	668	19.0	7.5	34	Y	30.4	
2	2045	2.00	297	593	19.1	7.6	41	Y	33.3	
3	1802	1.94	295	572	18.6	7.6	41	Y	33.5	
4	1849	1.78	246	438	18.0	7.6	40	Y	40.1	
5	1908	1.76	260	457	18.1	7.6	40	Y	38.0	
6	2307	1.89	326	616	18.1	7.6	41	Y	30.3	
7	1921	1.86	302	562	17.9	7.7	41	Y	32.7	
8	1816	1.82	311	566	17.8	7.6	41	Y	31.7	
9	1937	1.59	305	486	18.6	7.6	39	Y	32.3	
10	1842	1.49	564	840	17.3	7.7	39	Y	17.5	
11	2216	1.49	564	840	17.3	7.5	32	Y	17.5	
12	431	1.48	759	1,123	17.0	7.5	32	Y	13.0	
13	2123	1.42	731	1,038	16.7	7.5	32	Y	13.5	
14	0	1.46	449	655	16.6	7.6	39	Y	22.0	
15	1346	1.49	400	595	16.5	7.8	39	Y	24.7	
16	2350	1.53	391	599	16.6	7.6	39	Y	25.2	
17	2320	1.36	365	496	16.5	7.5	31	Y	27.0	
18	2035	1.31	351	460	16.2	7.6	38	Y	28.1	
19	2140	1.31	345	451	16.0	7.6	38	Y	28.6	
20	108	1.30	377	490	16.3	7.7	38	Y	26.2	
21	213	1.43	378	541	16.2	7.5	32	Y	26.1	
22	1623	1.30	380	494	16.1	7.5	31	Y	26.0	
23	2214	1.24	378	469	16.2	7.5	31	Y	26.1	
24	205	1.15	247	284	16.5	7.5	31	Y	40.0	
25	1014	1.28	347	444	16.5	7.4	31	Y	28.5	
26	705	1.21	347	420	16.4	7.4	31	Y	28.4	
27	2010	1.16	381	442	16.1	7.4	31	Y	25.9	
28	23	1.15	383	441	16.6	7.4	31	Y	25.8	
29	12	1.16	459	532	16.3	7.5	31	Y	21.5	
30	151	1.17	420	491	16.1	7.5	31	Y	23.5	

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

Report Date: Oct 03, 2024



## Chlorine/Turbidity/CT Summary Report

<b>PWS ID#:</b>	<b>4100731</b>	<b>Sample Period:</b>	<b>September 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>	10/3/2024
<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: October 4, 2024