

PWS ID # 4100731

Sample Period: March 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>
3/1/2023	<b>0.05</b>	29.3	1.51	0.59	80
3/2/2023	<b>0.04</b>	28.6	1.59	0.63	78
3/3/2023	<b>0.04</b>	27.4	1.70	0.64	74
3/4/2023	<b>0.04</b>	26.4	1.54	0.63	72
3/5/2023	<b>0.04</b>	25.6	1.54	0.63	69
3/6/2023	<b>0.14</b>	25.6	1.67	0.65	69
3/7/2023	<b>0.04</b>	25.8	1.62	0.64	70
3/8/2023	<b>0.04</b>	24.4	1.55	0.65	66
3/9/2023	<b>0.04</b>	24.7	1.53	0.58	67
3/10/2023	<b>0.04</b>	25.2	1.57	0.61	68
3/11/2023	<b>0.04</b>	25.0	1.51	0.63	68
3/12/2023	<b>0.04</b>	26.5	1.49	0.64	72
3/13/2023	<b>0.04</b>	27.5	1.49	0.64	75
3/14/2023	<b>0.04</b>	27.8	1.52	0.64	75
3/15/2023	<b>0.04</b>	26.5	1.46	0.58	72
3/16/2023	<b>0.16</b>	26.1	1.45	0.57	71
3/17/2023	<b>0.10</b>	26.7	1.45	0.54	72
3/18/2023	<b>0.05</b>	26.2	1.49	0.54	71
3/19/2023	<b>0.11</b>	24.1	1.54	0.56	65
3/20/2023	<b>0.04</b>	26.4	1.57	0.54	72
3/21/2023	<b>0.11</b>	28.1	1.57	0.54	76
3/22/2023	<b>0.07</b>	27.7	1.41	0.55	75
3/23/2023	<b>0.04</b>	26.5	1.47	0.60	72
3/24/2023	<b>0.13</b>	25.1	1.47	0.59	68
3/25/2023	<b>0.05</b>	25.3	1.31	0.58	69
3/26/2023	<b>0.04</b>	25.3	1.54	0.59	69
3/27/2023	<b>0.04</b>	25.2	1.50	0.59	68
3/28/2023	<b>0.04</b>	25.0	1.52	0.63	68
3/29/2023	<b>0.13</b>	25.0	1.49	0.65	68
3/30/2023	<b>0.04</b>	24.8	1.45	0.60	67
3/31/2023	<b>0.10</b>	25.6	1.30	0.60	69
Total		809.2			<b>143</b>
Average	<b>0.06</b>	26.1	1.5	0.60	

\*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		March,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	528	1.48	363	537	6.2	7.6	77	Y	16.0	
2	17	1.54	370	570	6.3	7.6	77	Y	15.7	
3	1523	1.63	380	620	6.6	7.6	79	Y	15.3	
4	1506	1.58	391	618	7.1	7.6	77	Y	14.8	
5	1449	1.56	439	684	6.1	7.6	77	Y	13.2	
6	1416	1.54	442	680	6.2	7.6	77	Y	13.1	
7	1450	1.53	434	665	6.3	7.5	64	Y	13.4	
8	1321	1.57	430	675	6.6	7.5	64	Y	13.5	
9	1013	1.54	463	713	6.8	7.5	64	Y	12.5	
10	1923	1.46	463	676	6.9	7.5	64	Y	12.5	
11	1413	1.51	461	697	7.4	7.4	64	Y	12.6	
12	1547	1.41	368	519	6.7	7.5	64	Y	15.8	
13	1321	1.47	370	544	6.6	7.5	64	Y	15.7	
14	1229	1.47	359	528	6.6	7.5	64	Y	16.2	
15	801	1.44	362	521	6.6	7.5	64	Y	16.0	
16	1618	1.42	399	567	7.2	7.5	64	Y	14.5	
17	1914	1.41	387	545	7.5	7.4	64	Y	15.0	
18	1508	1.45	401	581	7.8	7.4	64	Y	14.5	
19	1821	1.54	433	667	8.0	7.4	64	Y	13.4	
20	1431	1.56	347	541	8.1	7.4	64	Y	16.7	
21	2142	1.50	345	518	8.2	7.4	64	Y	16.8	
22	1756	1.44	358	516	8.3	7.7	77	Y	16.2	
23	2222	1.42	356	506	8.9	7.5	64	Y	16.3	
24	2346	1.36	442	601	8.2	7.7	76	Y	13.1	
25	152	1.33	446	593	8.1	7.6	76	Y	13.0	
26	2320	1.40	446	625	7.5	7.6	76	Y	13.0	
27	1333	1.39	414	576	7.6	7.7	76	Y	14.0	
28	108	1.43	455	651	7.5	7.5	64	Y	12.7	
29	932	1.50	446	669	7.7	7.5	64	Y	13.0	
30	1921	1.18	446	526	7.5	7.6	74	Y	13.0	
31	128	1.33	363	482	8.3	7.5	62	Y	16.0	

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

Report Date: Apr 03, 2023

OHA-Drinking Water Program- Surface Water Quality Form							County	Marion		
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		March,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	729	1.51	550	830	6.2	7.6	77	Y	15.5	
2	1336	1.59	580	923	6.3	7.6	77	Y	14.7	
3	541	1.70	644	1,095	6.4	7.6	77	Y	13.2	
4	847	1.54	592	912	6.5	7.7	77	Y	14.4	
5	849	1.54	645	994	6.3	7.5	64	Y	13.2	
6	1712	1.67	651	1,088	7.1	7.6	79	Y	13.1	
7	2146	1.62	643	1,041	7.1	7.7	79	Y	13.3	
8	1732	1.55	550	852	6.7	7.6	77	Y	15.5	
9	953	1.53	565	864	6.7	7.6	77	Y	15.1	
10	2338	1.57	636	998	6.6	7.6	77	Y	13.4	
11	117	1.51	605	913	7.0	7.6	77	Y	14.1	
12	1156	1.49	532	793	6.8	7.6	77	Y	16.0	
13	7	1.49	671	1,000	6.8	7.6	77	Y	12.7	
14	1922	1.52	605	919	6.8	7.6	77	Y	14.1	
15	1213	1.46	565	825	6.9	7.6	77	Y	15.1	
16	1644	1.45	614	890	7.1	7.6	77	Y	13.9	
17	1538	1.45	631	915	7.4	7.6	77	Y	13.5	
18	1151	1.49	612	911	7.7	7.5	64	Y	13.9	
19	1529	1.54	577	889	7.8	7.5	64	Y	14.8	
20	1730	1.57	470	737	7.9	7.5	64	Y	18.1	
21	1242	1.57	661	1,038	8.0	7.5	64	Y	12.9	
22	811	1.41	672	948	8.2	7.7	76	Y	12.7	
23	612	1.47	556	817	8.3	7.8	77	Y	15.3	
24	437	1.47	671	987	8.3	7.8	77	Y	12.7	
25	820	1.31	682	893	8.0	7.8	76	Y	12.5	
26	2147	1.54	655	1,009	7.9	7.8	77	Y	13.0	
27	1952	1.50	588	881	7.3	7.8	77	Y	14.5	
28	1857	1.52	656	997	7.7	7.8	77	Y	13.0	
29	1548	1.49	655	976	7.7	7.7	77	Y	13.0	
30	743	1.45	655	950	7.5	7.7	77	Y	13.0	
31	343	1.30	550	715	7.9	7.7	76	Y	15.5	

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

Report Date: Apr 03, 2023

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

**Salem Public Works    ID# OR4100731    WTP-A    Mo/Yr    March,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	47	1.72	104	179	6.2	7.6	79	Y	15.5
2	335	1.73	110	191	5.7	7.6	79	Y	14.7
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\* Site: Line 2 at City of Stayton Intertie




## Chlorine/Turbidity/CT Summary Report

<b>PWS ID#:</b>	<b>4100731</b>	<b>Sample Period:</b>	<b>March 2023</b>
<b>System Name:</b>	<b>Salem Public Works Department</b>	<b>Laboratory Results:</b>	<b>Willow Lake Lab</b>
<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>	4/6/2023
<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: April 6, 2023