

PWS ID # 4100731

Sample Period: May 2021

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>
5/1/2021	0.11	29.2	1.60	0.58	77
5/2/2021	0.11	29.6	1.50	0.61	79
5/3/2021	0.11	29.3	1.56	0.62	76
5/4/2021	0.11	29.1	1.56	0.59	77
5/5/2021	0.10	29.2	1.53	0.62	80
5/6/2021	0.10	27.6	1.43	0.63	75
5/7/2021	0.09	24.4	1.41	0.63	65
5/8/2021	0.09	24.3	1.39	0.62	64
5/9/2021	0.06	26.9	1.37	0.61	72
5/10/2021	0.06	29.3	1.43	0.64	80
5/11/2021	0.06	29.3	1.54	0.63	80
5/12/2021	0.06	29.5	1.40	0.67	81
5/13/2021	0.07	29.4	1.46	0.69	79
5/14/2021	0.07	29.5	1.45	0.67	80
5/15/2021	0.06	29.7	1.44	0.67	80
5/16/2021	0.06	30.2	1.47	0.68	82
5/17/2021	0.06	30.6	1.50	0.68	84
5/18/2021	0.08	31.5	1.50	0.68	88
5/19/2021	0.06	31.3	1.52	0.70	87
5/20/2021	0.05	29.4	1.47	0.70	81
5/21/2021	0.06	28.2	1.45	0.68	77
5/22/2021	0.05	28.2	1.51	0.69	77
5/23/2021	0.05	28.2	1.38	0.69	78
5/24/2021	0.05	27.9	1.42	0.69	76
5/25/2021	0.05	27.7	1.51	0.65	75
5/26/2021	0.06	27.5	1.45	0.66	74
5/27/2021	0.06	26.3	1.43	0.66	71
5/28/2021	0.07	28.1	1.40	0.66	76
5/29/2021	0.09	32.3	1.31	0.69	90
5/30/2021	0.08	35.1	1.37	0.71	95
5/31/2021	0.07	33.5	1.40	0.64	87
Total		902.3			2,443
Average	0.07	29.1	1.5	0.66	

\*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		May,2021			
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	1140	1.60	550	879	13.2	7.7	58	Y	15.5	
2	2123	1.50	550	824	13.3	7.6	58	Y	15.5	
3	1420	1.56	550	857	13.1	7.7	58	Y	15.5	
4	1445	1.56	550	857	13.3	7.7	58	Y	15.5	
5	1436	1.53	588	899	13.5	7.7	58	Y	14.5	
6	1813	1.43	568	812	13.6	7.7	58	Y	15.0	
7	153	1.41	852	1,201	13.8	7.6	58	Y	10.0	
8	2157	1.39	852	1,184	13.3	7.7	57	Y	10.0	
9	1508	1.37	852	1,167	13.1	7.6	57	Y	10.0	
10	1015	1.43	426	609	13.2	7.6	58	Y	20.0	
11	1840	1.54	588	905	13.5	7.7	58	Y	14.5	
12	1006	1.40	550	770	13.9	7.6	57	Y	15.5	
13	1633	1.46	568	829	14.1	7.5	48	Y	15.0	
14	1626	1.45	501	727	15.4	7.6	39	Y	17.0	
15	1201	1.44	568	818	14.8	7.6	58	Y	15.0	
16	1239	1.47	532	783	15.2	7.5	32	Y	16.0	
17	1454	1.50	473	710	14.9	7.5	48	Y	18.0	
18	1838	1.50	576	863	14.9	7.5	48	Y	14.8	
19	1718	1.52	588	893	14.6	7.5	48	Y	14.5	
20	1354	1.47	609	895	14.0	7.7	58	Y	14.0	
21	1130	1.45	576	835	13.4	7.6	57	Y	14.8	
22	1647	1.51	588	887	13.2	7.5	48	Y	14.5	
23	1232	1.38	588	811	13.5	7.5	47	Y	14.5	
24	700	1.42	588	834	13.8	7.5	48	Y	14.5	
25	1827	1.51	588	887	13.6	7.5	48	Y	14.5	
26	1428	1.45	588	852	13.5	7.5	48	Y	14.5	
27	1800	1.43	568	812	13.4	7.5	48	Y	15.0	
28	2338	1.40	448	628	14.0	7.6	58	Y	19.0	
29	1554	1.31	501	657	14.5	7.5	47	Y	17.0	
30	1823	1.37	363	497	15.1	7.5	31	Y	23.5	
31	1540	1.40	426	596	15.6	7.6	38	Y	20.0	

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

Report Date: Jun 07, 2021

OHA-Drinking Water Program- Surface Water Quality Form							County	Marion		
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		May,2021			
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	954	1.59	400	636	13.5	7.6	58	Y	14.5	
2	553	1.60	400	640	13.5	7.6	58	Y	14.5	
3	1635	1.53	400	612	13.2	7.7	58	Y	14.5	
4	1604	1.53	400	612	13.3	7.7	58	Y	14.5	
5	1408	1.55	387	599	14.1	7.6	58	Y	15.0	
6	2210	1.38	374	516	14.4	7.6	57	Y	15.5	
7	240	1.37	400	548	13.8	7.6	57	Y	14.5	
8	1806	1.41	400	564	13.4	7.6	58	Y	14.5	
9	1504	1.43	382	546	12.8	7.6	58	Y	15.2	
10	1935	1.57	395	619	13.2	7.6	58	Y	14.7	
11	1903	1.52	400	608	13.9	7.6	58	Y	14.5	
12	2155	1.49	374	558	14.5	7.5	48	Y	15.5	
13	1842	1.41	374	528	14.8	7.6	58	Y	15.5	
14	36	1.42	374	531	15.7	7.6	39	Y	15.5	
15	1947	1.39	363	504	15.7	7.5	31	Y	16.0	
16	13	1.42	363	515	16.0	7.4	32	Y	16.0	
17	2036	1.57	352	552	15.8	7.4	32	Y	16.5	
18	1702	1.52	330	501	15.3	7.4	32	Y	17.6	
19	1508	1.61	328	528	14.6	7.5	49	Y	17.7	
20	16	1.52	322	490	14.2	7.6	58	Y	18.0	
21	1900	1.49	408	609	13.7	7.6	58	Y	14.2	
22	1350	1.50	414	621	13.4	7.5	48	Y	14.0	
23	1140	1.52	414	630	13.9	7.5	48	Y	14.0	
24	1645	1.45	400	580	13.9	7.5	48	Y	14.5	
25	2036	1.45	400	580	13.8	7.5	48	Y	14.5	
26	1720	1.42	400	568	13.6	7.5	48	Y	14.5	
27	1903	1.38	414	572	14.2	7.5	47	Y	14.0	
28	1943	1.33	403	536	14.6	7.6	57	Y	14.4	
29	1936	1.29	264	340	14.8	7.5	47	Y	22.0	
30	1859	1.36	331	451	16.2	7.5	31	Y	17.5	
31	957	1.42	414	588	16.0	7.6	39	Y	14.0	

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

Report Date: Jun 07, 2021



## Chlorine/Turbidity/CT Summary Report

**PWS ID#:** 4100731  
**System Name:** *Salem Public Works Department*  
**Address:** 1410 20th St SE, Bldg 2  
 Salem OR 97302  
**Contact Person:** Dwayne Barnes, Utility Operations Manager  
**Contact Number:** 503-588-6483  
**Source Water:** North Santiam River  
**Treatment Type:** Slow Sand Filtration  
**Sample Location:** Aldersgate and Geren Island

**Sample Period:** May 2021  
**Laboratory Results:** *Willow Lake Lab*  
**OHD-Certified Lab** OR100010  
**Date Report Issued:** 6/7/2021  
**Contact Person:** Paul Mitchell  
**Contact Number:** 503-588-6380  
**Sampler:** Treatment Operators  
**Sample Date:** As reported  
**Source ID #:** 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: 6/7/2021