

PWS ID # 4100731

Sample Period: November 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
Location:	Geren Island	Geren Island	Aldersgate**	Aldersgate**	Geren Island
Source ID:	WTP-A	WTP-A	EP-A	EP-A	WTP-A
Unit	ntu	MGD	mg/L	mg/L	GPD
11/1/2021	0.11	21.6	1.40	0.65	58
11/2/2021	0.05	21.7	1.44	0.68	59
11/3/2021	0.05	21.7	1.45	0.69	58
11/4/2021	0.05	21.7	1.49	0.69	58
11/5/2021	0.07	21.6	1.54	0.68	58
11/6/2021	0.07	21.6	1.28	0.68	58
11/7/2021	0.06	22.6	1.33	0.69	61
11/8/2021	0.06	23.6	1.41	0.70	64
11/9/2021	0.06	23.6	1.29	0.66	64
11/10/2021	0.06	22.3	1.34	0.67	42
11/11/2021	0.06	18.7	1.36	0.52	48
11/12/2021	0.05	18.1	1.36	0.64	45
11/13/2021	0.07	23.2	1.49	0.63	62
11/14/2021	0.06	25.2	1.41	0.65	69
11/15/2021	0.05	25.4	1.45	0.66	70
11/16/2021	0.06	25.3	1.42	0.67	69
11/17/2021	0.06	23.4	1.50	0.68	63
11/18/2021	0.05	21.6	1.40	0.66	57
11/19/2021	0.05	23.2	1.34	0.66	63
11/20/2021	0.06	22.9	1.47	0.68	62
11/21/2021	0.06	21.6	1.40	0.67	57
11/22/2021	0.06	21.5	1.41	0.67	49
11/23/2021	0.05	21.5	1.48	0.60	57
11/24/2021	0.05	21.6	1.46	0.68	57
11/25/2021	0.05	21.6	1.44	0.69	57
11/26/2021	0.05	21.5	1.51	0.70	57
11/27/2021	0.05	21.4	1.48	0.68	57
11/28/2021	0.05	21.4	1.56	0.69	56
11/29/2021	0.06	21.3	1.47	0.67	56
11/30/2021	0.06	22.8	1.35	0.68	61
Total		664.9			1,752
Average	0.06	22.2	1.4	0.67	

*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		November,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	1755	1.40	710	994	12.8	7.6	57	Y	12.0
2	2356	1.44	682	981	12.9	7.6	58	Y	12.5
3	27	1.45	682	988	12.8	7.5	48	Y	12.5
4	250	1.49	682	1,016	13.1	7.5	48	Y	12.5
5	1709	1.54	682	1,050	13.3	7.4	48	Y	12.5
6	1931	1.28	711	910	13.0	7.5	47	Y	12.0
7	1920	1.33	702	933	12.5	7.5	47	Y	12.1
8	936	1.41	717	1,011	12.5	7.6	57	Y	11.9
9	1306	1.29	710	916	12.1	7.6	57	Y	12.0
10	1359	1.34	609	815	12.1	7.6	57	Y	14.0
11	914	1.36	710	966	12.2	7.6	57	Y	12.0
12	1324	1.36	741	1,008	12.4	7.6	57	Y	11.5
13	22	1.49	655	976	12.4	7.4	48	Y	13.0
14	1104	1.41	587	827	12.9	7.4	47	Y	14.5
15	529	1.45	758	1,099	12.9	7.4	48	Y	11.2
16	1359	1.42	741	1,052	12.5	7.5	48	Y	11.5
17	528	1.50	811	1,217	12.6	7.6	58	Y	10.5
18	1221	1.40	741	1,037	11.7	7.7	57	Y	11.5
19	744	1.34	588	787	11.5	7.7	57	Y	14.5
20	1438	1.47	741	1,089	11.7	7.7	58	Y	11.5
21	1721	1.40	741	1,037	11.1	7.7	57	Y	11.5
22	1020	1.41	741	1,045	11.1	7.7	57	Y	11.5
23	1118	1.48	775	1,146	11.3	7.7	58	Y	11.0
24	1245	1.46	741	1,082	11.0	7.7	58	Y	11.5
25	1526	1.44	710	1,022	10.9	7.6	58	Y	12.0
26	1442	1.51	741	1,119	11.0	7.7	58	Y	11.5
27	1922	1.48	722	1,069	11.2	7.6	58	Y	11.8
28	303	1.56	716	1,117	11.0	7.7	58	Y	11.9
29	1807	1.47	734	1,080	11.2	7.5	48	Y	11.6
30	1819	1.35	588	793	11.1	7.6	57	Y	14.5

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

Report Date: Dec 03, 2021

OHA-Drinking Water Program- Surface Water Quality Form								County	Marion
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		November,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	1345	1.49	552	823	12.8	7.6	58	Y	10.5
2	1738	1.48	552	818	12.3	7.5	48	Y	10.5
3	1918	1.52	552	840	12.3	7.5	48	Y	10.5
4	1816	1.58	552	873	12.8	7.4	48	Y	10.5
5	2353	1.49	552	823	13.0	7.4	48	Y	10.5
6	1502	1.30	563	732	12.5	7.5	47	Y	10.3
7	1416	1.40	417	584	11.7	7.5	47	Y	13.9
8	2250	1.40	479	671	11.1	7.5	47	Y	12.1
9	954	1.41	464	654	11.1	7.6	58	Y	12.5
10	18	1.35	479	647	11.8	7.6	57	Y	12.1
11	19	1.36	566	770	11.6	7.5	47	Y	10.2
12	216	1.48	571	846	12.6	7.5	48	Y	10.2
13	1254	1.53	580	887	12.4	7.4	48	Y	10.0
14	1307	1.51	357	539	12.9	7.4	48	Y	16.2
15	1929	1.58	391	618	12.6	7.4	48	Y	14.8
16	2222	1.38	387	534	12.1	7.4	47	Y	15.0
17	2155	1.39	400	556	12.0	7.5	47	Y	14.5
18	320	1.46	552	807	11.1	7.5	48	Y	10.5
19	154	1.43	414	592	10.8	7.5	48	Y	14.0
20	151	1.44	430	619	10.9	7.6	58	Y	13.5
21	1218	1.48	430	636	9.8	7.6	77	Y	13.5
22	247	1.44	430	619	10.1	7.6	58	Y	13.5
23	1815	1.45	552	801	10.8	7.6	58	Y	10.5
24	328	1.46	552	807	10.5	7.5	48	Y	10.5
25	432	1.54	552	851	10.6	7.5	48	Y	10.5
26	1505	1.52	552	840	10.5	7.5	48	Y	10.5
27	1407	1.53	569	870	10.7	7.5	48	Y	10.2
28	307	1.56	569	887	10.7	7.5	48	Y	10.2
29	1218	1.50	569	853	11.2	7.6	58	Y	10.2
30	2302	1.45	446	647	12.5	7.6	58	Y	13.0

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

Report Date: Dec 03, 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: **November 2021**
Laboratory Results: **Willow Lake Lab**
OHD-Certified Lab OR100010
Date Report Issued: 12/3/2021
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

1. Turbidity	Were 95 percent of the turbidity readings less than or equal to 1.0 NTU for the month?	Yes
2. Turbidity	Were all turbidity readings less than or equal to 5.0 NTU for the month?	Yes
3. CT	Were all CTs values met each day of the month?	Yes
4. Chlorine	Were all entry point chlorine residuals readings greater than or equal to 0.2 mg/L for the month?	Yes
5. Chlorine	Was a detectable chlorine residual measured in at least 95% of the samples measured for the month?	Yes

Print Name: Dwayne Barnes, Utility Operations Manager

Signature: 

Date: December 3, 2021