

PWS ID # 4100731

Sample Period: February 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
2/1/2021	0.09	21.9	1.50	0.54	52
2/2/2021	0.17	21.9	1.52	0.54	52
2/3/2021	0.21	22.8	1.43	0.49	55
2/4/2021	0.20	23.8	1.34	0.54	58
2/5/2021	0.17	23.9	1.41	0.55	58
2/6/2021	0.15	24.2	1.48	0.54	59
2/7/2021	0.14	24.8	1.47	0.55	60
2/8/2021	0.13	24.8	1.47	0.54	61
2/9/2021	0.11	24.7	1.52	0.54	61
2/10/2021	0.10	24.7	1.55	0.56	61
2/11/2021	0.10	26.2	1.56	0.56	64
2/12/2021	0.11	27.3	1.35	0.55	28
2/13/2021	0.25	25.3	1.39	0.55	7
2/14/2021	0.34	22.1	1.36	0.53	7
2/15/2021	0.23	21.5	1.41	0.57	7
2/16/2021	0.11	21.3	1.49	0.57	28
2/17/2021	0.11	21.2	1.45	0.61	50
2/18/2021	0.11	23.0	1.40	0.61	53
2/19/2021	0.13	24.4	1.40	0.53	54
2/20/2021	0.14	25.6	1.42	0.53	54
2/21/2021	0.13	26.1	1.45	0.50	53
2/22/2021	0.19	26.0	1.45	0.50	57
2/23/2021	0.22	25.8	1.70	0.56	65
2/24/2021	0.17	24.5	1.50	0.59	61
2/25/2021	0.13	24.1	1.49	0.58	60
2/26/2021	0.13	25.5	1.41	0.59	63
2/27/2021	0.15	26.7	1.33	0.59	67
2/28/2021	0.14	25.3	1.53	0.59	63
Total		679.5			1,418
Average	0.16	24.3	1.5	0.55	

*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	February,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	1255	1.50	947	1,420	7.6	7.6	77	Y	9.0
2	1313	1.52	852	1,295	7.7	7.5	64	Y	10.0
3	1522	1.43	710	1,015	7.7	7.7	77	Y	12.0
4	1205	1.34	852	1,142	7.6	7.8	76	Y	10.0
5	1113	1.41	852	1,201	7.6	7.9	77	Y	10.0
6	1237	1.48	897	1,327	7.8	7.7	77	Y	9.5
7	1050	1.47	897	1,318	8.7	7.7	77	Y	9.5
8	1430	1.47	897	1,318	8.7	7.4	64	Y	9.5
9	1401	1.52	897	1,363	8.7	7.3	64	Y	9.5
10	2336	1.55	916	1,420	8.2	7.8	79	Y	9.3
11	137	1.56	655	1,022	8.0	7.8	79	Y	13.0
12	2238	1.35	710	958	7.9	7.8	76	Y	12.0
13	150	1.39	852	1,184	7.5	7.8	77	Y	10.0
14	1837	1.36	852	1,159	7.0	7.6	76	Y	10.0
15	105	1.41	852	1,201	7.3	7.4	64	Y	10.0
16	23	1.49	708	1,055	7.8	7.4	62	Y	12.0
17	1045	1.45	682	988	8.3	7.3	64	Y	12.5
18	1645	1.40	568	795	8.3	7.7	76	Y	15.0
19	515	1.40	710	994	8.3	7.6	76	Y	12.0
20	2105	1.42	710	1,008	8.4	7.6	77	Y	12.0
21	1732	1.45	811	1,177	8.1	7.7	77	Y	10.5
22	1258	1.45	811	1,177	8.2	7.7	77	Y	10.5
23	1951	1.70	775	1,317	8.3	7.7	77	Y	11.0
24	951	1.50	609	913	8.4	7.7	77	Y	14.0
25	1047	1.49	741	1,104	8.3	7.6	77	Y	11.5
26	2214	1.41	609	858	8.0	7.6	76	Y	14.0
27	1052	1.33	775	1,030	8.2	7.6	76	Y	11.0
28	19	1.53	775	1,185	8.2	7.7	77	Y	11.0

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

Report Date: Mar 08, 2021

OHA-Drinking Water Program- Surface Water Quality Form								County	Marion
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		February,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	140	1.59	446	709	7.5	7.5	64	Y	13.0
2	2343	1.55	446	692	7.5	7.5	64	Y	13.0
3	2353	1.45	387	561	7.7	7.7	77	Y	15.0
4	1231	1.61	387	623	7.7	7.8	79	Y	15.0
5	6	1.38	395	545	8.2	7.8	76	Y	14.7
6	12	1.49	374	558	8.3	7.6	77	Y	15.5
7	48	1.49	374	558	8.4	7.4	64	Y	15.5
8	121	1.66	374	621	8.4	7.4	65	Y	15.5
9	243	1.52	374	569	8.7	7.3	64	Y	15.5
10	1357	1.52	374	569	7.7	7.8	77	Y	15.5
11	127	1.56	341	532	8.0	7.8	77	Y	17.0
12	1237	1.05	341	358	7.4	7.8	74	Y	17.0
13	1850	1.36	483	657	6.9	7.7	76	Y	12.0
14	807	1.27	483	614	6.5	7.6	76	Y	12.0
15	1840	1.46	504	736	7.2	7.4	64	Y	11.5
16	244	1.34	569	762	8.1	7.4	62	Y	10.2
17	1217	1.45	552	801	8.3	7.4	64	Y	10.5
18	259	1.57	414	650	7.3	7.5	64	Y	14.0
19	1602	1.47	414	609	8.1	7.6	77	Y	14.0
20	1458	1.43	374	535	8.7	7.6	77	Y	15.5
21	2224	1.48	374	554	8.1	7.6	77	Y	15.5
22	2312	1.44	374	539	8.1	7.6	77	Y	15.5
23	1116	1.78	372	662	8.4	7.6	79	Y	15.6
24	2238	1.55	374	580	8.2	7.7	77	Y	15.5
25	2304	1.38	426	589	8.1	7.6	76	Y	13.6
26	2349	1.39	352	489	8.0	7.6	76	Y	16.5
27	1037	1.39	352	489	8.1	7.5	62	Y	16.5
28	110	1.62	400	648	8.2	7.6	79	Y	14.5

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

Report Date: Mar 08, 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: **February 2021**
Laboratory Results: *Willow Lake Lab*
OHD-Certified Lab OR100010
Date Report Issued: 3/8/2021
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: March 9, 2021