

PWS ID # 4100731

Sample Period: December 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
12/1/2021	0.22	23.5	1.31	0.65	64
12/2/2021	0.07	24.2	1.44	0.66	65
12/3/2021	0.10	24.6	1.51	0.66	67
12/4/2021	0.09	24.9	1.45	0.66	68
12/5/2021	0.09	24.9	1.47	0.66	68
12/6/2021	0.09	24.9	1.45	0.67	68
12/7/2021	0.09	24.9	1.44	0.66	69
12/8/2021	0.09	23.3	1.46	0.64	65
12/9/2021	0.08	21.6	1.47	0.63	59
12/10/2021	0.09	21.5	1.37	0.61	58
12/11/2021	0.07	18.0	1.52	0.61	47
12/12/2021	0.07	16.2	1.55	0.59	42
12/13/2021	0.07	18.9	1.61	0.56	50
12/14/2021	0.09	22.8	1.48	0.61	63
12/15/2021	0.09	23.5	1.46	0.64	66
12/16/2021	0.09	23.5	1.41	0.64	66
12/17/2021	0.09	23.4	1.42	0.65	66
12/18/2021	0.08	23.3	1.46	0.65	66
12/19/2021	0.08	23.3	1.48	0.65	65
12/20/2021	0.07	20.7	1.53	0.65	57
12/21/2021	0.07	19.5	1.55	0.59	52
12/22/2021	0.08	21.5	1.45	0.59	58
12/23/2021	0.08	22.1	1.48	0.58	60
12/24/2021	0.08	22.1	1.43	0.59	60
12/25/2021	0.07	21.8	1.42	0.58	59
12/26/2021	0.07	20.7	1.41	0.58	54
12/27/2021	0.09	25.4	1.37	0.55	71
12/28/2021	0.09	28.7	1.31	0.60	81
12/29/2021	0.09	28.5	1.35	0.58	77
12/30/2021	0.08	27.6	1.31	0.57	73
12/31/2021	0.08	22.8	1.29	0.57	59
Total		712.3			1,943
Average	0.09	23.0	1.4	0.62	

*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

Salem Public Works ID# OR4100731 WTP-A Mo/Yr December,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									
2									
3									
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30									
31	1552	1.29	104	135	7.5	7.4	62	Yes	15.5

* Site: Line 2 at City of Stayton Intertie

OHA-Drinking Water Program- Surface Water Quality Form

County Marion

Salem Public Works

ID# OR4100731

WTP-A

Mo/Yr

December,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	709	1.39	446	620	11.6	7.7	57	Y	13.0
2	130	1.50	414	621	12.4	7.6	58	Y	14.0
3	749	1.55	400	620	11.7	7.5	48	Y	14.5
4	836	1.52	400	608	11.2	7.6	58	Y	14.5
5	2318	1.43	400	572	9.1	7.6	77	Y	14.5
6	1727	1.40	414	580	11.2	7.5	47	Y	14.0
7	1237	1.41	414	584	10.3	7.6	58	Y	14.0
8	1857	1.40	414	580	11.0	7.6	57	Y	14.0
9	1452	1.36	504	686	10.7	7.6	57	Y	11.5
10	951	1.37	537	736	10.1	7.6	57	Y	10.8
11	301	1.38	552	762	9.7	7.6	76	Y	10.5
12	525	1.45	644	934	12.1	7.6	58	Y	9.0
13	405	1.56	430	670	11.9	7.6	58	Y	13.5
14	1720	1.39	446	620	12.2	7.5	47	Y	13.0
15	1547	1.42	446	634	11.2	7.5	48	Y	13.0
16	621	1.45	446	647	9.5	7.4	64	Y	13.0
17	1034	1.66	446	741	9.8	7.5	65	Y	13.0
18	1509	1.56	446	696	8.3	7.5	64	Y	13.0
19	1443	1.63	446	727	10.8	7.5	49	Y	13.0
20	2214	1.61	446	718	11.8	7.4	49	Y	13.0
21	13	1.48	387	572	12.3	7.3	48	Y	15.0
22	17	1.49	400	596	11.2	7.6	58	Y	14.5
23	1251	1.53	414	634	12.1	7.5	48	Y	14.0
24	2340	1.56	414	646	10.1	7.4	48	Y	14.0
25	541	1.57	414	650	8.5	7.6	77	Y	14.0
26	1044	1.58	472	745	10.4	7.6	58	Y	12.3
27	200	1.50	352	527	6.5	7.5	64	Y	16.5
28	2339	1.45	352	510	10.7	7.5	48	Y	16.5
29	2345	1.41	352	496	9.6	7.5	64	Y	16.5
30	13	1.43	352	503	10.0	7.5	48	Y	16.5
31	544	1.46	387	565	7.6	7.5	77	Y	15.0

December 31 reading were collected from Franzen East Cell Inlet, because the Aldersgate sampling site was down.

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

Report Date: Jan 04, 2022

OHA-Drinking Water Program- Surface Water Quality Form							County	Marion		
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		December,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	1039	1.31	710	930	12.3	7.7	57	Y	12.0	
2	1446	1.44	655	944	11.8	7.7	58	Y	13.0	
3	12	1.51	682	1,029	11.4	7.6	58	Y	12.5	
4	12	1.45	741	1,074	11.1	7.6	58	Y	11.5	
5	1356	1.47	775	1,139	10.1	7.6	58	Y	11.0	
6	2334	1.45	754	1,093	10.9	7.6	58	Y	11.3	
7	209	1.44	754	1,086	10.3	7.6	58	Y	11.3	
8	1041	1.46	588	858	10.8	7.6	58	Y	14.5	
9	732	1.47	789	1,160	10.1	7.6	58	Y	10.8	
10	951	1.37	789	1,081	10.1	7.6	58	Y	10.8	
11	1133	1.52	655	996	9.7	7.6	77	Y	13.0	
12	330	1.55	1,065	1,651	11.2	7.6	58	Y	8.0	
13	1040	1.61	568	914	11.4	7.7	60	Y	15.0	
14	2344	1.48	631	934	11.7	7.6	58	Y	13.5	
15	520	1.46	775	1,131	10.6	7.6	58	Y	11.0	
16	1117	1.41	775	1,092	9.4	7.5	62	Y	11.0	
17	222	1.42	775	1,100	9.7	7.5	64	Y	11.0	
18	1954	1.46	775	1,131	8.9	7.5	64	Y	11.0	
19	20	1.48	852	1,261	10.7	7.5	48	Y	10.0	
20	49	1.53	609	931	10.9	7.4	48	Y	14.0	
21	1330	1.55	852	1,321	11.9	7.4	48	Y	10.0	
22	1321	1.45	811	1,177	10.5	7.5	48	Y	10.5	
23	1338	1.48	852	1,261	11.3	7.5	48	Y	10.0	
24	1339	1.43	852	1,218	9.6	7.6	77	Y	10.0	
25	1505	1.42	775	1,100	8.6	7.6	77	Y	11.0	
26	135	1.41	917	1,293	9.7	7.7	77	Y	9.3	
27	2109	1.37	655	898	8.1	7.7	74	Y	13.0	
28	714	1.31	609	797	9.7	7.6	74	Y	14.0	
29	1522	1.35	631	852	8.6	7.6	76	Y	13.5	
30	741	1.31	516	676	8.9	7.6	76	Y	16.5	
31										

December 31 reading were collected from Schedule M (see Sch. M worksheet), because the Line 2 Aldersgate sampling site was down.

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

Report Date: Jan 04, 2022



Chlorine/Turbidity/CT Summary Report

PWS ID#: 4100731 System Name: <i>Salem Public Works Department</i> 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: December 2021 Laboratory Results: <i>Willow Lake Lab</i> OHD-Certified Lab: OR100010 Date Report Issued: 1/5/2022 Contact Person: Paul Mitchell Contact Number: 503-588-6380 Sampler: Treatment Operators Sample Date: As reported Source ID #: EP-A and WTP-A
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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: 1/6/2022