

PWS ID # 4100731

Sample Period: January 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
1/1/2021	0.06	18.6	1.43	0.65	51
1/2/2021	0.06	15.4	1.43	0.66	40
1/3/2021	0.07	12.9	1.37	0.63	33
1/4/2021	0.07	19.2	1.36	0.62	52
1/5/2021	0.05	26.3	1.39	0.63	73
1/6/2021	0.09	27.1	1.46	0.65	75
1/7/2021	0.07	23.7	1.59	0.64	64
1/8/2021	0.05	20.6	1.58	0.60	54
1/9/2021	0.06	20.5	1.61	0.61	54
1/10/2021	0.07	21.6	1.60	0.60	57
1/11/2021	0.07	23.2	1.42	0.62	62
1/12/2021	0.06	15.5	1.40	0.63	39
1/13/2021	0.06	8.5	1.37	0.62	17
1/14/2021	0.05	12.8	1.32	0.65	31
1/15/2021	0.05	22.8	1.31	0.64	61
1/16/2021	0.06	25.4	1.38	0.66	69
1/17/2021	0.07	25.8	1.58	0.66	70
1/18/2021	0.06	25.7	1.46	0.67	70
1/19/2021	0.07	26.3	1.53	0.69	58
1/20/2021	0.15	26.6	1.28	0.63	73
1/21/2021	0.07	23.9	1.31	0.64	64
1/22/2021	0.06	20.1	1.51	0.62	52
1/23/2021	0.06	19.5	1.50	0.61	51
1/24/2021	0.05	24.2	1.51	0.61	65
1/25/2021	0.06	24.2	1.37	0.63	64
1/26/2021	0.06	22.7	1.31	0.59	59
1/27/2021	0.04	22.7	1.28	0.56	55
1/28/2021	0.08	22.6	1.41	0.55	54
1/29/2021	0.06	22.4	1.44	0.54	54
1/30/2021	0.06	22.1	1.46	0.54	53
1/31/2021	0.06	21.9	1.46	0.54	52
Total		664.5			1,726
Average	0.06	21.4	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

Fluoride samples were collected from "Schedule M" sample site because the City of Stayton intertie was active.

OHA-Drinking Water Program- Surface Water Quality Form

Salem Public Works

ID# OR4100731

WTP-A

Mo/Yr

January,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									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21	1602	1.31	147	193	10.0	7.7	57	Yes	11.0
22	947	1.51	147	222	8.3	7.6	77	Yes	11.0
23									
24									
25									
26									
27									
28									
29									
30									
31									

* 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	January,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	612	1.43	947	1,354	8.9	7.6	76	Y	9.0	
2	614	1.43	947	1,354	9.2	7.6	77	Y	9.0	
3	1805	1.37	1,002	1,373	9.4	7.5	62	Y	8.5	
4	1240	1.36	775	1,053	9.5	7.6	76	Y	11.0	
5	30	1.39	710	987	9.6	7.4	62	Y	12.0	
6	719	1.46	741	1,082	9.6	7.6	77	Y	11.5	
7	13	1.59	473	753	9.6	7.5	64	Y	18.0	
8	848	1.58	710	1,122	9.7	7.6	77	Y	12.0	
9	946	1.61	741	1,193	9.4	7.6	77	Y	11.5	
10	2326	1.60	775	1,239	9.2	7.6	77	Y	11.0	
11	2333	1.42	897	1,273	9.0	7.7	77	Y	9.5	
12	759	1.40	488	683	9.0	7.7	76	Y	17.5	
13	1632	1.37	1,786	2,447	9.5	7.6	76	Y	4.8	
14	2047	1.32	542	715	9.9	7.5	62	Y	15.7	
15	1238	1.31	851	1,115	9.7	7.6	76	Y	10.0	
16	1100	1.38	947	1,306	9.7	7.6	76	Y	9.0	
17	10	1.58	947	1,496	9.6	7.7	77	Y	9.0	
18	1256	1.46	947	1,382	9.5	7.8	77	Y	9.0	
19	1210	1.53	768	1,174	9.5	7.8	77	Y	11.1	
20	2014	1.28	775	991	9.5	7.8	77	Y	11.0	
21	See "CT report stayton intetie Jan 2021"									
22	See "CT report stayton intetie Jan 2021"									
23	1419	1.50	897	1,345	8.3	7.5	64	Y	9.5	
24	1600	1.51	947	1,429	8.5	7.6	77	Y	9.0	
25	1402	1.37	811	1,112	7.4	7.6	76	Y	10.5	
26	1318	1.31	811	1,063	7.3	7.6	76	Y	10.5	
27	1133	1.28	811	1,039	6.9	7.6	76	Y	10.5	
28	1112	1.41	811	1,144	7.1	7.7	77	Y	10.5	
29	1346	1.44	811	1,168	7.0	7.7	77	Y	10.5	
30	1316	1.46	897	1,309	7.2	7.7	77	Y	9.5	
31	1307	1.46	887	1,296	7.4	7.6	77	Y	9.6	

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

Report Date: Feb 02, 2021

OHA-Drinking Water Program- Surface Water Quality Form

County Marion

Salem Public Works

ID# OR4100731

WTP-A

Mo/Yr

January,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	447	1.46	552	807	8.7	7.6	77	Y	10.5
2	305	1.56	552	862	9.3	7.6	77	Y	10.5
3	1330	1.47	446	656	9.3	7.6	77	Y	13.0
4	329	1.52	483	735	9.5	7.4	64	Y	12.0
5	2055	1.33	341	454	9.5	7.5	62	Y	17.0
6	11	1.37	341	467	9.7	7.6	76	Y	17.0
7	1143	1.66	341	566	9.8	7.5	65	Y	17.0
8	1657	1.50	580	870	9.8	7.5	64	Y	10.0
9	1848	1.53	611	934	9.5	7.5	64	Y	9.5
10	2344	1.41	483	682	9.2	7.4	64	Y	12.0
11	1532	1.30	483	628	8.8	7.6	76	Y	12.0
12	22	1.27	471	598	9.0	7.6	76	Y	12.3
13	1328	1.33	995	1,323	9.1	7.6	76	Y	5.8
14	516	1.40	372	521	10.1	7.5	47	Y	15.6
15	2306	1.40	370	518	9.7	7.3	62	Y	15.7
16	1655	1.39	341	474	9.6	7.5	62	Y	17.0
17	830	1.61	341	549	9.5	7.5	65	Y	17.0
18	2339	1.36	341	464	9.3	7.6	76	Y	17.0
19	50	1.35	347	469	9.0	7.7	76	Y	16.7
20	2210	1.52	352	534	9.0	7.7	77	Y	16.5
21	2350	1.48	363	537	8.5	7.7	77	Y	16.0
22	326	1.42	580	824	8.3	7.6	77	Y	10.0
23	451	1.45	580	841	9.0	7.4	64	Y	10.0
24	321	1.43	322	461	8.5	7.6	77	Y	18.0
25	2253	1.49	322	480	7.3	7.5	64	Y	18.0
26	150	1.48	430	636	7.8	7.5	64	Y	13.5
27	2355	1.38	430	593	6.7	7.5	62	Y	13.5
28	213	1.35	430	580	7.0	7.6	76	Y	13.5
29	116	1.42	430	610	7.0	7.6	77	Y	13.5
30	1455	1.48	468	692	7.2	7.6	77	Y	12.4
31	127	1.46	464	677	7.7	7.5	64	Y	12.5

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

Report Date: Feb 03, 2021



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: January 2021 Laboratory Results: <i>Willow Lake Lab</i> OHD-Certified Lab: OR100010 Date Report Issued: 2/8/2021 Contact Person: Paul Mitchell Contact Number: 503-588-6380 Sampler: Treatment Operators Sample Date: As reported Source ID #: EP-A and WTP-A
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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: February 8, 2021