

PWS ID # 4100731

Sample Period: April 2023

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
4/1/2023	0.04	26.7	1.42	0.59	68
4/2/2023	0.13	25.4	1.45	0.61	64
4/3/2023	0.10	26.2	1.47	0.62	66
4/4/2023	0.09	27.4	1.41	0.61	69
4/5/2023	0.05	27.5	1.51	0.62	70
4/6/2023	0.05	27.4	1.51	0.61	69
4/7/2023	0.10	26.4	1.53	0.59	66
4/8/2023	0.06	24.7	1.40	0.60	61
4/9/2023	0.05	25.3	1.32	0.57	62
4/10/2023	0.05	25.5	1.40	0.58	63
4/11/2023	0.05	25.5	1.44	0.58	63
4/12/2023	0.05	26.8	1.41	0.57	65
4/13/2023	0.05	26.1	1.40	0.55	63
4/14/2023	0.06	23.6	1.43	0.57	57
4/15/2023	0.05	23.2	1.42	0.55	56
4/16/2023	0.05	23.0	1.39	0.55	55
4/17/2023	0.05	22.8	1.49	0.56	55
4/18/2023	0.05	25.1	1.52	0.56	61
4/19/2023	0.05	24.5	1.53	0.58	59
4/20/2023	0.04	21.9	1.48	0.53	52
4/21/2023	0.04	20.7	1.66	0.50	48
4/22/2023	0.05	20.6	1.36	0.52	48
4/23/2023	0.05	20.6	1.33	0.51	48
4/24/2023	0.06	21.9	1.29	0.52	52
4/25/2023	0.06	26.1	1.32	0.52	64
4/26/2023	0.06	26.5	1.38	0.56	67
4/27/2023	0.06	23.9	1.48	0.57	60
4/28/2023	0.06	22.0	1.31	0.58	55
4/29/2023	0.09	22.8	1.35	0.56	57
4/30/2023	0.06	24.1	1.36	0.58	62
Total		734.1			1,805
Average	0.06	24.5	1.4	0.57	60

*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		April,2023			
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	1833	1.42	682	968	8.1	7.6	77	Y	12.5	
2	859	1.45	682	988	7.6	7.6	77	Y	12.5	
3	1433	1.47	568	835	8.0	7.6	77	Y	15.0	
4	1146	1.41	671	947	7.8	7.6	76	Y	12.7	
5	837	1.51	671	1,014	8.4	7.6	77	Y	12.7	
6	1403	1.51	655	990	8.0	7.5	64	Y	13.0	
7	637	1.53	559	855	8.3	7.6	77	Y	15.2	
8	736	1.40	677	948	8.4	7.7	76	Y	12.6	
9	1107	1.32	655	865	8.6	7.7	76	Y	13.0	
10	839	1.40	666	933	8.8	7.7	76	Y	12.8	
11	1228	1.44	631	909	8.8	7.6	77	Y	13.5	
12	1128	1.41	568	801	8.6	7.6	76	Y	15.0	
13	709	1.40	532	745	8.9	7.6	76	Y	16.0	
14	1729	1.43	631	902	8.9	7.7	77	Y	13.5	
15	1338	1.42	655	931	9.2	7.8	76	Y	13.0	
16	952	1.39	655	911	9.4	7.7	77	Y	13.0	
17	29	1.49	710	1,058	9.5	7.5	64	Y	12.0	
18	1003	1.52	710	1,079	9.3	7.6	77	Y	12.0	
19	1927	1.53	510	781	9.1	7.7	77	Y	16.7	
20	20	1.48	568	841	9.0	7.7	76	Y	15.0	
21	723	1.66	1,074	1,783	9.2	7.7	76	Y	7.9	
22	1431	1.36	1,099	1,495	9.3	7.8	76	Y	7.8	
23	1922	1.33	1,089	1,449	9.1	7.6	76	Y	7.8	
24	1640	1.29	789	1,018	9.8	7.6	76	Y	10.8	
25	1524	1.32	729	962	10.1	7.7	57	Y	11.7	
26	856	1.38	588	811	10.4	7.7	57	Y	14.5	
27	1406	1.48	728	1,078	10.8	7.7	58	Y	11.7	
28	1922	1.31	710	930	11.4	7.5	47	Y	12.0	
29	1825	1.35	655	885	11.7	7.7	57	Y	13.0	
30	1746	1.36	631	858	11.8	7.6	57	Y	13.5	

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

Report Date: May 08, 2023

OHA-Drinking Water Program- Surface Water Quality Form							County	Marion		
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		April,2023			
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	934	1.37	374	513	8.5	7.5	62	Y	15.5	
2	649	1.39	446	620	7.9	7.3	62	Y	13.0	
3	235	1.31	446	584	8.0	7.5	62	Y	13.0	
4	725	1.36	374	509	8.3	7.6	76	Y	15.5	
5	915	1.44	370	533	7.7	7.6	77	Y	15.7	
6	2202	1.44	363	522	7.8	7.5	64	Y	16.0	
7	114	1.45	367	532	8.5	7.5	64	Y	15.8	
8	121	1.46	437	639	8.4	7.6	77	Y	13.3	
9	945	1.43	430	614	8.6	7.6	77	Y	13.5	
10	809	1.48	430	637	9.2	7.6	77	Y	13.5	
11	2241	1.48	414	613	8.5	7.5	64	Y	14.0	
12	2134	1.44	363	522	8.8	7.5	64	Y	16.0	
13	11	1.45	363	526	8.7	7.5	64	Y	16.0	
14	1419	1.44	464	668	8.8	7.5	64	Y	12.5	
15	1308	1.48	504	746	9.6	7.5	64	Y	11.5	
16	1757	1.38	504	696	9.9	7.4	62	Y	11.5	
17	1624	1.44	527	759	10.0	7.3	48	Y	11.0	
18	1332	1.47	387	568	9.7	7.5	64	Y	15.0	
19	302	1.53	383	585	9.6	7.5	64	Y	15.2	
20	1126	1.56	453	706	8.7	7.5	64	Y	12.8	
21	45	1.62	429	695	9.5	7.6	79	Y	13.5	
22	1020	1.49	428	637	9.1	7.7	77	Y	13.6	
23	1443	1.44	418	602	9.5	7.6	77	Y	13.9	
24	2210	1.45	337	489	10.3	7.6	58	Y	17.2	
25	1203	1.42	336	477	10.2	7.6	58	Y	17.3	
26	49	1.47	331	487	10.6	7.5	48	Y	17.5	
27	1911	1.47	399	587	11.4	7.5	48	Y	14.5	
28	1733	1.38	527	728	12.4	7.5	47	Y	11.0	
29	1533	1.34	464	622	12.4	7.6	57	Y	12.5	
30	1126	1.37	414	568	12.4	7.5	47	Y	14.0	

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

Report Date: May 08, 2023



Chlorine/Turbidity/CT Summary Report

PWS ID#:	4100731	Sample Period:	April 2023
System Name:	<i>Salem Public Works Department</i>	Laboratory Results:	<i>Willow Lake Lab</i>
Address:	1410 20th St SE, Bldg 2 Salem OR 97302	OHD-Certified Lab	OR100010
Contact Person:	Dwayne Barnes, Utility Operations Manager	Date Report Issued:	5/8/2023
Contact Number:	503-588-6483	Contact Person:	Paul Mitchell
Source Water:	North Santiam River	Contact Number:	503-588-6380
Treatment Type:	Slow Sand Filtration	Sampler:	Treatment Operators
Sample Location:	Aldersgate and Geren Island	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: May 8, 2023