

PWS ID # 4100731

Sample Period: September 2022

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
9/1/2022	0.05	40.2	1.38	0.65	108
9/2/2022	0.05	40.0	1.34	0.65	107
9/3/2022	0.05	39.2	1.18	0.66	105
9/4/2022	0.05	38.3	1.13	0.66	102
9/5/2022	0.05	37.2	1.22	0.66	98
9/6/2022	0.05	36.5	1.31	0.65	96
9/7/2022	0.04	36.1	1.26	0.65	95
9/8/2022	0.05	36.0	1.37	0.64	94
9/9/2022	0.05	34.7	1.30	0.65	91
9/10/2022	0.04	32.3	1.23	0.65	84
9/11/2022	0.04	32.5	1.32	0.65	85
9/12/2022	0.05	32.3	1.29	0.66	84
9/13/2022	0.04	33.9	1.29	0.65	88
9/14/2022	0.04	35.1	1.44	0.66	91
9/15/2022	0.04	35.0	1.34	0.61	91
9/16/2022	0.04	34.8	1.39	0.61	91
9/17/2022	0.04	35.0	1.36	0.60	91
9/18/2022	0.04	35.0	1.37	0.61	91
9/19/2022	0.04	35.1	1.40	0.62	91
9/20/2022	0.04	35.1	1.32	0.62	91
9/21/2022	0.04	34.9	1.34	0.62	90
9/22/2022	0.04	35.0	1.45	0.66	91
9/23/2022	0.04	34.9	1.31	0.67	90
9/24/2022	0.04	35.0	1.21	0.66	91
9/25/2022	0.05	32.1	1.25	0.68	82
9/26/2022	0.04	33.2	1.31	0.67	85
9/27/2022	0.04	34.9	1.28	0.67	90
9/28/2022	0.04	34.7	1.38	0.63	90
9/29/2022	0.04	34.2	1.32	0.59	88
9/30/2022	0.05	29.1	1.31	0.60	73
Total		1,052.5			2,744
Average	0.04	35.1	1.3	0.64	

*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

September,2022

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	1425	1.38	414	572	20.3	7.6	28	Y	14.0
2	2252	1.29	414	534	19.7	7.6	38	Y	14.0
3	2033	1.17	414	485	19.2	7.5	31	Y	14.0
4	1550	1.23	464	571	19.3	7.7	38	Y	12.5
5	444	1.34	464	622	19.1	7.7	38	Y	12.5
6	14	1.41	546	769	19.3	7.7	39	Y	10.6
7	353	1.28	562	719	18.5	7.6	38	Y	10.3
8	2218	1.31	569	745	18.4	7.4	31	Y	10.2
9	328	1.25	561	701	18.1	7.4	31	Y	10.3
10	1427	1.22	390	476	17.7	7.5	31	Y	14.9
11	1848	1.33	388	516	17.5	7.5	31	Y	14.9
12	800	1.38	387	534	17.3	7.4	31	Y	15.0
13	111	1.42	341	484	17.2	7.5	32	Y	17.0
14	1124	1.51	331	500	17.9	7.4	32	Y	17.5
15	1014	1.41	331	467	17.0	7.4	32	Y	17.5
16	2241	1.44	333	480	16.8	7.5	32	Y	17.4
17	1207	1.45	333	483	16.9	7.4	32	Y	17.4
18	1820	1.44	333	480	16.5	7.4	32	Y	17.4
19	1521	1.39	334	464	16.5	7.5	31	Y	17.4
20	1316	1.44	333	480	16.7	7.6	39	Y	17.4
21	947	1.48	333	493	16.4	7.5	32	Y	17.4
22	1831	1.47	331	487	16.6	7.6	39	Y	17.5
23	1603	1.35	334	451	16.2	7.5	31	Y	17.4
24	1146	1.32	331	437	16.2	7.6	38	Y	17.5
25	1345	1.32	332	438	16.2	7.6	38	Y	17.5
26	1701	1.31	340	445	16.2	7.6	38	Y	17.1
27	1436	1.37	336	461	16.4	7.6	38	Y	17.2
28	615	1.29	331	428	16.1	7.6	38	Y	17.5
29	1653	1.32	331	438	15.8	7.6	38	Y	17.5
30	1015	1.32	346	457	15.4	7.6	38	Y	16.7

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

OHA-Drinking Water Program- Surface Water Quality Form							County	Marion		
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		September,2022			
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	1754	1.38	304	420	20.4	7.5	23	Y	28.0	
2	2355	1.34	310	415	20.2	7.6	28	Y	27.5	
3	2329	1.18	304	359	19.5	7.6	38	Y	28.0	
4	348	1.13	316	357	19.6	7.8	37	Y	27.0	
5	116	1.22	299	365	19.0	7.7	38	Y	28.5	
6	141	1.31	318	416	19.6	7.8	38	Y	26.8	
7	1336	1.26	317	400	19.3	7.6	38	Y	26.9	
8	514	1.37	322	441	19.0	7.5	31	Y	26.4	
9	1257	1.30	317	412	18.9	7.5	31	Y	26.9	
10	1854	1.23	455	560	18.8	7.6	38	Y	18.7	
11	1325	1.32	451	595	18.4	7.6	38	Y	18.9	
12	1825	1.29	455	587	18.3	7.6	38	Y	18.7	
13	502	1.29	426	550	18.2	7.5	31	Y	20.0	
14	1545	1.44	448	646	18.0	7.5	32	Y	19.0	
15	1809	1.34	448	601	17.8	7.5	31	Y	19.0	
16	39	1.39	461	641	17.7	7.5	31	Y	18.5	
17	1914	1.36	460	626	17.8	7.6	38	Y	18.5	
18	1536	1.37	456	624	17.4	7.5	31	Y	18.7	
19	2247	1.40	453	634	17.6	7.6	38	Y	18.8	
20	1820	1.32	452	597	17.4	7.7	38	Y	18.8	
21	140	1.34	459	615	17.4	7.6	38	Y	18.6	
22	914	1.45	466	675	17.3	7.7	39	Y	18.3	
23	1841	1.31	462	605	17.3	7.6	38	Y	18.4	
24	1812	1.21	455	550	17.3	7.7	38	Y	18.7	
25	0	1.25	351	439	17.1	7.7	38	Y	24.3	
26	1701	1.31	462	605	17.1	7.7	38	Y	18.5	
27	1730	1.28	454	581	17.5	7.6	38	Y	18.8	
28	659	1.38	454	627	16.8	7.6	38	Y	18.8	
29	2306	1.32	461	608	16.7	7.6	38	Y	18.5	
30	1610	1.31	348	456	15.4	7.6	38	Y	24.5	

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

Report Date: Oct 05, 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: September 2022 Laboratory Results: <i>Willow Lake Lab</i> OHD-Certified Lab: OR100010 Date Report Issued: 10/5/2022 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: October 6, 2022