

PWS ID # 4100731
 Salem Public Works Department

Sample Period September 2023

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
9/1/2023	0.05	27.7	1.09	0.57	66
9/2/2023	0.05	27.6	1.06	0.57	66
9/3/2023	0.05	26.4	1.19	0.57	62
9/4/2023	0.06	27.3	0.66	0.57	64
9/5/2023	0.05	26.1	0.81	0.59	61
9/6/2023	0.05	28.0	0.98	0.54	65
9/7/2023	0.05	31.1	1.14	0.55	74
9/8/2023	0.05	31.4	1.13	0.56	75
9/9/2023	0.05	31.6	1.16	0.56	76
9/10/2023	0.05	31.2	1.18	0.56	75
9/11/2023	0.05	31.1	1.16	0.56	74
9/12/2023	0.06	33.5	0.93	0.56	81
9/13/2023	0.08	35.2	0.83	0.56	87
9/14/2023	0.06	34.9	0.98	0.54	86
9/15/2023	0.06	34.9	0.96	0.55	86
9/16/2023	0.09	34.0	0.95	0.56	84
9/17/2023	0.05	31.1	1.15	0.55	75
9/18/2023	0.05	32.0	1.02	0.54	78
9/19/2023	0.05	32.9	1.11	0.55	81
9/20/2023	0.05	33.0	1.37	0.54	81
9/21/2023	0.05	32.9	1.21	0.54	81
9/22/2023	0.05	31.3	1.12	0.62	76
9/23/2023	0.05	29.8	1.15	0.62	72
9/24/2023	0.05	26.9	1.11	0.62	63
9/25/2023	0.07	23.0	1.07	0.59	52
9/26/2023	0.05	22.7	1.17	0.60	51
9/27/2023	0.05	22.7	1.28	0.60	52
9/28/2023	0.05	22.8	1.26	0.55	53
9/29/2023	0.05	22.8	1.17	0.56	54
9/30/2023	0.05	22.9	1.18	0.56	54
Total		878.6			2,105
Average	0.05	29.3	1.09	0.57	

*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,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	1805	1.09	461	502	16.5	7.6	37	Y	18.5	
2	1735	1.06	462	489	16.4	7.6	37	Y	18.5	
3	231	1.30	467	607	16.4	7.4	31	Y	18.3	
4	736	1.15	458	526	16.3	7.4	31	Y	18.6	
5	2231	1.04	470	489	16.7	7.5	31	Y	18.1	
6	525	0.99	429	425	16.8	7.8	36	Y	19.9	
7	1635	1.14	464	529	16.6	7.6	37	Y	18.4	
8	1806	1.13	459	518	16.3	7.5	31	Y	18.6	
9	1005	1.21	460	556	16.3	7.5	31	Y	18.5	
10	2251	1.25	462	577	16.3	7.5	31	Y	18.5	
11	2223	1.22	458	558	16.3	7.5	31	Y	18.6	
12	2358	1.08	466	503	16.4	7.5	31	Y	18.3	
13	1001	0.96	452	434	16.5	7.6	36	Y	18.9	
14	258	0.98	437	428	16.5	7.6	36	Y	19.5	
15	1605	1.11	443	492	16.1	7.6	37	Y	19.2	
16	1556	1.10	557	613	16.5	7.6	37	Y	15.3	
17	119	1.15	406	467	16.0	7.6	37	Y	21.0	
18	428	1.21	402	486	15.9	7.7	38	Y	21.2	
19	1549	1.26	463	584	16.3	7.6	38	Y	18.4	
20	4	1.37	470	644	16.2	7.4	31	Y	18.1	
21	1119	1.40	461	645	15.8	7.3	31	Y	18.5	
22	1312	1.20	396	476	15.7	7.4	31	Y	21.5	
23	524	1.19	448	534	15.7	7.4	31	Y	19.0	
24	524	1.24	710	880	15.6	7.4	31	Y	12.0	
25	933	1.21	710	859	15.5	7.6	38	Y	12.0	
26	858	1.37	710	973	15.4	7.6	38	Y	12.0	
27	1159	1.37	741	1,015	15.4	7.7	38	Y	11.5	
28	1214	1.26	710	895	15.2	7.6	38	Y	12.0	
29	831	1.27	736	935	15.5	7.5	31	Y	11.6	
30	1245	1.26	735	926	15.8	7.6	38	Y	11.6	

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

Report Date: Oct 05, 2023

OHA-Drinking Water Program- Surface Water Quality Form

County Marion

Salem Public Works

ID# OR4100731

WTP-A

Mo/Yr

September,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	1938	1.09	580	632	16.6	7.5	31	Y	10.0
2	1612	1.12	579	648	16.7	7.5	31	Y	10.0
3	1042	1.19	481	573	16.4	7.4	31	Y	12.1
4	730	0.66	340	224	16.5	7.3	29	Y	17.1
5	1900	0.81	356	289	17.1	7.6	36	Y	16.3
6	31	0.98	350	343	16.5	7.6	36	Y	16.6
7	1417	1.32	385	508	16.6	7.4	31	Y	15.1
8	1901	1.27	418	531	16.5	7.4	31	Y	13.9
9	854	1.16	418	484	17.2	7.4	31	Y	13.9
10	751	1.18	419	495	16.4	7.4	31	Y	13.8
11	407	1.16	423	491	16.5	7.4	31	Y	13.7
12	2214	0.93	317	294	16.6	7.4	30	Y	18.3
13	2036	0.83	324	269	16.7	7.6	36	Y	17.9
14	2227	0.99	331	328	17.0	7.6	36	Y	17.5
15	2259	0.96	336	323	16.7	7.6	36	Y	17.2
16	2242	0.95	341	324	16.5	7.6	36	Y	17.0
17	15	1.19	387	460	16.3	7.6	37	Y	15.0
18	317	1.02	379	387	16.1	7.7	37	Y	15.3
19	19	1.11	376	418	16.3	7.6	37	Y	15.4
20	12	1.39	378	526	16.0	7.4	31	Y	15.3
21	2130	1.21	374	453	15.8	7.3	31	Y	15.5
22	2130	1.12	374	419	15.6	7.4	31	Y	15.5
23	2355	1.15	483	556	15.9	7.4	31	Y	12.0
24	2341	1.11	483	537	16.0	7.4	31	Y	12.0
25	255	1.07	483	517	15.7	7.5	31	Y	12.0
26	304	1.17	483	566	15.5	7.6	37	Y	12.0
27	209	1.28	483	619	15.7	7.5	31	Y	12.0
28	234	1.29	483	624	15.5	7.5	31	Y	12.0
29	413	1.17	487	569	15.6	7.5	31	Y	11.9
30	250	1.18	490	578	15.8	7.6	37	Y	11.8

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



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 2023 Laboratory Results: <i>Willow Lake Lab</i> OHD-Certified Lab: OR100010 Date Report Issued: 10/5/2023 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, 2023