

PWS ID # 4100731

Sample Period: October 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
10/1/2023	0.05	23.2	1.12	0.56	54
10/2/2023	0.05	21.5	1.16	0.55	50
10/3/2023	0.05	21.0	0.99	0.54	48
10/4/2023	0.05	21.5	1.14	0.55	50
10/5/2023	0.05	21.8	1.05	0.57	51
10/6/2023	0.05	21.7	1.11	0.56	51
10/7/2023	0.05	21.8	1.26	0.57	51
10/8/2023	0.05	18.2	1.08	0.53	40
10/9/2023	0.05	19.1	1.11	0.55	42
10/10/2023	0.05	20.8	1.12	0.51	47
10/11/2023	0.07	19.5	1.20	0.52	44
10/12/2023	0.05	19.6	1.17	0.53	45
10/13/2023	0.05	19.5	1.15	0.52	45
10/14/2023	0.06	19.4	1.09	0.53	44
10/15/2023	0.05	17.8	1.07	0.53	40
10/16/2023	0.05	19.1	1.11	0.52	45
10/17/2023	0.11	22.2	1.21	0.52	55
10/18/2023	0.05	23.6	1.18	0.55	59
10/19/2023	0.05	23.7	1.12	0.55	60
10/20/2023	0.06	23.7	1.10	0.59	60
10/21/2023	0.05	23.9	0.96	0.60	60
10/22/2023	0.06	23.7	0.96	0.60	60
10/23/2023	0.05	23.6	1.04	0.60	59
10/24/2023	0.05	23.6	1.09	0.59	59
10/25/2023	0.05	23.6	1.07	0.59	60
10/26/2023	0.08	23.3	0.91	0.59	59
10/27/2023	0.06	22.8	0.98	0.60	57
10/28/2023	0.06	22.6	1.02	0.60	56
10/29/2023	0.06	22.6	0.99	0.60	56
10/30/2023	0.06	22.5	1.10	0.59	56
10/31/2023	0.05	22.5	1.10	0.59	56
Total		673.2			1,619
Average	0.06	21.7	1.09	0.56	

*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		October,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	11	1.22	721	879	15.4	7.6	38	Y	11.8	
2	824	1.26	603	760	15.2	7.5	31	Y	14.1	
3	853	1.10	667	734	15.2	7.5	31	Y	12.8	
4	823	1.15	655	754	14.7	7.5	47	Y	13.0	
5	906	1.12	710	795	15.3	7.8	37	Y	12.0	
6	1325	1.28	741	948	15.7	7.9	38	Y	11.5	
7	1556	1.31	725	950	15.8	7.8	38	Y	11.8	
8	1652	1.08	733	792	15.7	7.6	37	Y	11.6	
9	408	1.11	764	848	15.5	7.5	31	Y	11.2	
10	58	1.21	1,226	1,483	16.0	7.5	31	Y	7.0	
11	2334	1.20	1,697	2,037	15.5	7.6	37	Y	5.0	
12	317	1.17	1,697	1,986	15.3	7.6	37	Y	5.0	
13	254	1.17	1,711	2,002	15.1	7.6	37	Y	5.0	
14	2042	1.09	1,779	1,939	14.9	7.5	46	Y	4.8	
15	141	1.07	1,096	1,173	14.9	7.5	46	Y	7.8	
16	408	1.11	885	982	14.8	7.5	46	Y	9.6	
17	2017	1.24	798	989	14.9	7.6	57	Y	10.7	
18	1024	1.23	854	1,050	14.5	7.5	47	Y	10.0	
19	2248	1.19	915	1,089	14.6	7.6	55	Y	9.3	
20	2353	1.10	920	1,012	14.5	7.6	55	Y	9.3	
21	946	0.96	1,002	962	14.7	7.3	45	Y	8.5	
22	921	0.96	947	909	14.3	7.7	55	Y	9.0	
23	1440	1.04	947	984	14.2	7.7	55	Y	9.0	
24	1320	1.09	899	980	14.7	7.7	55	Y	9.5	
25	2111	1.07	934	1,000	13.9	7.6	55	Y	9.1	
26	1843	0.99	837	829	13.5	7.7	54	Y	10.2	
27	1146	0.98	886	868	13.2	7.7	54	Y	9.6	
28	211	1.04	897	933	12.7	7.8	55	Y	9.5	
29	45	1.13	897	1,013	12.0	7.7	55	Y	9.5	
30	1724	1.10	897	986	12.0	7.7	55	Y	9.5	
31	1607	1.10	889	978	12.7	7.7	55	Y	9.6	

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

Report Date: Nov 03, 2023

OHA-Drinking Water Program- Surface Water Quality Form							County	Marion		
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		October,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	353	1.12	483	541	15.7	7.5	31	Y	12.0	
2	322	1.16	483	560	15.0	7.6	37	Y	12.0	
3	538	0.99	608	602	14.9	7.5	45	Y	9.5	
4	751	1.14	527	601	14.9	7.4	46	Y	11.0	
5	432	1.05	527	554	15.2	7.9	37	Y	11.0	
6	111	1.11	527	585	15.6	7.8	37	Y	11.0	
7	1415	1.26	535	674	16.0	7.7	38	Y	10.8	
8	1438	1.22	529	645	14.8	7.7	57	Y	11.0	
9	810	1.27	337	429	15.9	7.7	38	Y	17.2	
10	2216	1.12	336	377	15.5	7.4	31	Y	17.2	
11	2209	1.20	377	453	14.9	7.5	46	Y	15.4	
12	2110	1.24	381	473	14.7	7.4	47	Y	15.2	
13	2247	1.15	380	437	14.8	7.5	46	Y	15.3	
14	2316	1.09	380	415	14.5	7.5	46	Y	15.3	
15	0	1.11	381	423	14.4	7.4	46	Y	15.2	
16	2321	1.21	350	423	14.4	7.5	47	Y	16.6	
17	2138	1.21	343	415	14.7	7.4	47	Y	16.9	
18	2344	1.18	381	450	14.4	7.5	46	Y	15.2	
19	2329	1.12	381	427	14.4	7.5	46	Y	15.2	
20	2146	1.12	378	423	14.3	7.5	46	Y	15.3	
21	2018	1.08	380	411	14.9	7.7	55	Y	15.3	
22	146	1.07	387	414	14.0	7.7	55	Y	15.0	
23	344	1.10	387	425	14.0	7.6	55	Y	15.0	
24	2334	1.24	378	469	13.9	7.7	57	Y	15.3	
25	1033	1.20	381	458	13.4	7.6	55	Y	15.2	
26	2230	0.91	386	351	13.0	7.7	54	Y	15.0	
27	1535	1.03	413	426	12.4	7.7	55	Y	14.0	
28	353	1.02	430	438	11.7	7.7	55	Y	13.5	
29	312	0.99	430	425	11.9	7.7	54	Y	13.5	
30	254	1.20	430	516	11.0	7.7	55	Y	13.5	
31	202	1.22	426	520	11.0	7.7	57	Y	13.6	

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

Report Date: Nov 03, 2023



Chlorine/Turbidity/CT Summary Report

PWS ID#:	4100731	Sample Period:	October 2023
System Name:	Salem Public Works Department	Laboratory Results:	Willow Lake Lab
Address:	1410 20th St SE, Bldg 2 Salem OR 97302	OHD-Certified Lab	OR100010
Contact Person:	Dwayne Barnes, Utility Operations Manager	Date Report Issued:	11/7/2023
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: November 7, 2023