

PWS ID # 4100731

Sample Period: June 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
6/1/2023	0.06	38.7	1.11	0.61	106.00
6/2/2023	0.05	38.7	1.12	0.62	106
6/3/2023	0.05	38.9	1.14	0.62	106
6/4/2023	0.05	38.9	1.20	0.62	107
6/5/2023	0.05	38.9	1.10	0.62	107
6/6/2023	0.05	41.6	1.05	0.62	115
6/7/2023	0.05	43.6	1.06	0.63	121
6/8/2023	0.06	43.4	1.08	0.64	120
6/9/2023	0.05	42.8	1.11	0.63	119
6/10/2023	0.05	40.3	1.12	0.63	110
6/11/2023	0.05	39.0	1.13	0.61	106
6/12/2023	0.05	39.4	1.17	0.62	107
6/13/2023	0.05	41.7	1.09	0.63	114
6/14/2023	0.06	39.8	1.13	0.68	116
6/15/2023	0.06	39.0	1.11	0.70	106
6/16/2023	0.05	38.9	1.11	0.64	106
6/17/2023	0.05	39.0	1.14	0.63	107
6/18/2023	0.05	38.8	1.18	0.64	106
6/19/2023	0.05	38.3	1.15	0.66	105
6/20/2023	0.07	37.1	1.15	0.63	100
6/21/2023	0.05	35.1	1.13	0.63	93
6/22/2023	0.05	35.1	1.08	0.60	92
6/23/2023	0.05	38.9	1.15	0.58	104
6/24/2023	0.05	40.1	1.22	0.62	109
6/25/2023	0.05	39.4	1.16	0.61	106
6/26/2023	0.07	40.2	1.23	0.62	109
6/27/2023	0.09	40.6	1.22	0.62	110
6/28/2023	0.09	40.5	1.16	0.61	110
6/29/2023	0.05	40.8	1.09	0.62	111
6/30/2023	0.06	40.4	1.07	0.62	110
Total		1,187.7			3,244
Average	0.06	39.6	1.1	0.63	

*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

June,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	539	0.99	314	310	15.7	7.6	36	Y	18.5
2	127	1.05	324	341	15.3	7.6	37	Y	17.9
3	903	0.67	322	216	15.6	7.4	29	Y	18.0
4	703	0.87	322	280	16.1	7.5	30	Y	18.0
5	732	0.80	322	258	16.2	7.5	29	Y	18.0
6	503	0.94	322	303	16.5	7.6	36	Y	18.0
7	2018	1.02	326	332	16.9	7.5	31	Y	17.8
8	1421	1.07	328	350	17.2	7.6	37	Y	17.7
9	129	1.10	331	364	16.7	7.5	31	Y	17.5
10	1207	1.09	400	436	16.4	7.6	37	Y	14.5
11	1416	1.09	400	436	16.7	7.6	37	Y	14.5
12	1428	1.15	378	435	17.8	7.6	37	Y	15.3
13	1401	1.14	358	408	17.6	7.5	31	Y	16.2
14	1752	1.16	352	408	17.8	7.4	31	Y	16.5
15	2056	1.14	414	472	17.5	7.5	31	Y	14.0
16	1314	1.14	430	490	17.5	7.5	31	Y	13.5
17	1437	1.10	429	472	17.5	7.4	31	Y	13.5
18	1300	1.15	432	496	16.9	7.4	31	Y	13.4
19	914	1.16	434	504	16.0	7.5	31	Y	13.4
20	25	1.18	448	528	15.6	7.5	31	Y	13.0
21	1858	1.11	485	538	15.7	7.5	31	Y	12.0
22	1833	1.05	574	602	16.6	7.5	31	Y	10.1
23	831	1.15	376	433	17.5	7.6	37	Y	15.4
24	12430	0.88	374	329	17.9	7.4	30	Y	15.5
25	1555	1.10	390	429	17.5	7.4	31	Y	14.9
26	2342	1.13	357	404	18.2	7.4	31	Y	16.2
27	1557	1.15	354	407	18.2	7.5	31	Y	16.4
28	840	1.20	395	474	18.6	7.5	31	Y	14.7
29	1509	1.10	391	431	19.8	7.5	31	Y	14.8
30	1511	1.07	394	421	19.4	7.4	31	Y	14.7

* 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		June,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	1923	1.11	387	430	15.0	7.6	37	Y	22.0	
2	1703	1.12	393	440	15.2	7.5	31	Y	21.7	
3	1251	1.14	396	452	14.9	7.5	46	Y	21.5	
4	955	1.20	406	487	15.3	7.6	37	Y	21.0	
5	2006	1.10	406	446	15.1	7.6	37	Y	21.0	
6	1013	1.05	316	331	15.7	7.6	37	Y	27.0	
7	2019	1.06	316	334	16.0	7.6	37	Y	27.0	
8	1620	1.08	319	345	16.3	7.6	37	Y	26.7	
9	11	1.11	290	322	16.1	7.6	37	Y	29.3	
10	950	1.12	328	367	16.5	7.7	37	Y	26.0	
11	1609	1.13	321	363	15.8	7.6	37	Y	26.5	
12	2206	1.17	312	364	16.5	7.6	37	Y	27.4	
13	1847	1.09	313	342	16.8	7.6	37	Y	27.2	
14	1932	1.13	266	301	17.8	7.4	31	Y	32.0	
15	2245	1.11	316	350	16.8	7.5	31	Y	27.0	
16	33	1.11	321	357	16.7	7.5	31	Y	26.5	
17	1	1.14	326	371	16.8	7.5	31	Y	26.2	
18	604	1.18	327	386	16.4	7.4	31	Y	26.0	
19	736	1.15	326	375	15.8	7.4	31	Y	26.2	
20	1951	1.15	324	373	15.4	7.6	37	Y	26.3	
21	1627	1.13	314	354	15.5	7.6	37	Y	27.2	
22	1724	1.08	330	356	16.0	7.5	31	Y	25.8	
23	814	1.15	271	312	17.4	7.6	37	Y	31.4	
24	1038	1.22	319	389	17.0	7.5	31	Y	26.7	
25	1423	1.16	298	346	17.2	7.4	31	Y	28.6	
26	2251	1.23	290	357	17.3	7.4	31	Y	29.3	
27	1359	1.22	306	373	17.8	7.6	38	Y	27.9	
28	1841	1.16	312	361	18.4	7.6	37	Y	27.3	
29	1831	1.09	314	343	18.4	7.5	31	Y	27.1	
30	1524	1.07	319	342	18.8	7.4	31	Y	26.7	

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

Report Date: Jul 03, 2023



Chlorine/Turbidity/CT Summary Report

PWS ID#:	4100731	Sample Period:	June 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:	7/3/2023
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: July 3, 2023