

PWS ID # 4100731

Sample Period: July 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
7/1/2022	0.07	37.8	1.41	0.63	101
7/2/2022	0.06	37.1	1.41	0.63	99
7/3/2022	0.06	34.0	1.36	0.62	90
7/4/2022	0.06	32.2	1.35	0.62	84
7/5/2022	0.06	32.0	1.07	0.62	84
7/6/2022	0.06	32.1	1.06	0.61	83
7/7/2022	0.07	32.9	1.31	0.61	86
7/8/2022	0.07	33.8	1.31	0.62	89
7/9/2022	0.07	33.9	1.21	0.61	89
7/10/2022	0.07	34.3	1.30	0.62	90
7/11/2022	0.17	38.8	1.27	0.62	103
7/12/2022	0.06	40.9	1.22	0.63	110
7/13/2022	0.05	42.1	1.44	0.63	113
7/14/2022	0.05	40.6	1.30	0.63	109
7/15/2022	0.05	40.2	1.33	0.66	107
7/16/2022	0.05	39.8	1.29	0.67	106
7/17/2022	0.05	34.9	1.33	0.66	92
7/18/2022	0.05	35.3	1.46	0.66	93
7/19/2022	0.05	36.1	1.26	0.66	95
7/20/2022	0.05	36.6	1.15	0.66	96
7/21/2022	0.05	38.6	1.25	0.65	102
7/22/2022	0.05	42.8	1.32	0.67	114
7/23/2022	0.05	43.5	1.34	0.68	116
7/24/2022	0.05	42.4	1.29	0.68	113
7/25/2022	0.05	43.4	1.27	0.68	116
7/26/2022	0.05	47.5	1.33	0.68	128
7/27/2022	0.05	48.8	1.21	0.69	132
7/28/2022	0.05	48.0	1.44	0.68	130
7/29/2022	0.06	47.2	1.41	0.24	42
7/30/2022	0.05	46.4	1.42	<0.20	0
7/31/2022	0.05	43.2	1.49	<0.20	0
Total		1,217.0			2,912
Average	0.06	39.3	1.3	0.60	

*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		July,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	224	1.47	408	600	17.2	7.5	32	Y	14.2
2	1813	1.46	430	627	16.9	7.6	39	Y	13.5
3	1824	1.46	496	724	16.7	7.5	32	Y	11.7
4	1601	1.37	504	691	16.5	7.6	38	Y	11.5
5	2304	1.35	483	653	16.5	7.6	38	Y	12.0
6	608	1.30	483	628	16.7	7.5	31	Y	12.0
7	1655	1.28	352	450	16.6	7.6	38	Y	16.5
8	1319	1.29	374	483	16.7	7.5	31	Y	15.5
9	2213	1.32	428	565	17.2	7.6	38	Y	13.6
10	724	1.32	430	567	18.0	7.5	31	Y	13.5
11	1952	1.36	341	464	17.9	7.6	38	Y	17.0
12	2336	1.38	341	471	19.1	7.6	38	Y	17.0
13	2408	1.29	345	445	19.0	7.5	31	Y	16.8
14	608	1.20	400	480	18.7	7.6	37	Y	14.5
15	349	1.24	414	514	19.0	7.5	31	Y	14.0
16	1955	1.22	414	505	18.8	7.5	31	Y	14.0
17	645	1.20	725	870	18.6	7.5	31	Y	8.0
18	2219	1.36	725	986	18.8	7.6	38	Y	8.0
19	2343	1.31	671	879	18.8	7.6	38	Y	8.6
20	1133	1.28	644	825	19.1	7.6	38	Y	9.0
21	1859	1.21	452	547	19.4	7.6	38	Y	12.8
22	45	1.24	331	411	20.1	7.5	23	Y	17.5
23	1433	1.28	409	524	19.5	7.5	31	Y	14.2
24	2034	1.28	416	532	19.0	7.5	31	Y	14.0
25	1029	1.27	352	448	19.4	7.6	38	Y	16.5
26	1727	1.26	331	418	20.6	7.7	28	Y	17.5
27	545	1.34	334	447	20.3	7.4	23	Y	17.4
28	1255	1.40	346	485	19.5	7.4	31	Y	16.8
29	1931	1.34	352	472	21.4	7.3	23	Y	16.5
30	452	1.38	387	534	21.6	7.4	23	Y	15.0
31	853	1.41	387	545	21.4	7.4	24	Y	15.0

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

Report Date: Aug 03, 2022

OHA-Drinking Water Program- Surface Water Quality Form								County	Marion
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		July,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	1107	1.41	341	481	16.6	7.5	32	Y	25.0
2	1708	1.41	321	453	16.5	7.6	39	Y	26.5
3	1807	1.36	349	475	16.5	7.6	38	Y	24.4
4	1751	1.35	406	548	16.6	7.7	38	Y	21.0
5	2131	1.07	396	424	16.4	7.7	37	Y	21.5
6	539	1.06	406	430	16.5	7.6	37	Y	21.0
7	1902	1.31	348	456	16.5	7.6	38	Y	24.5
8	1904	1.31	387	507	16.5	7.6	38	Y	22.0
9	210	1.21	395	478	16.9	7.6	37	Y	21.6
10	539	1.30	387	503	17.0	7.6	38	Y	22.0
11	617	1.27	299	380	17.1	7.6	38	Y	28.5
12	120	1.22	251	306	18.2	7.7	37	Y	34.0
13	2341	1.44	285	410	18.2	7.5	31	Y	29.9
14	718	1.30	304	396	18.2	7.6	38	Y	28.0
15	1321	1.33	310	412	18.0	7.5	31	Y	27.5
16	1729	1.29	304	393	18.1	7.6	38	Y	28.0
17	857	1.33	316	420	18.0	7.5	31	Y	27.0
18	1537	1.46	304	444	18.0	7.6	39	Y	28.0
19	1743	1.26	294	371	18.1	7.6	38	Y	29.0
20	1801	1.15	294	338	18.3	7.5	31	Y	29.0
21	821	1.25	262	328	18.6	7.5	31	Y	32.5
22	45	1.32	262	346	18.9	7.6	38	Y	32.5
23	1832	1.34	284	380	18.5	7.6	38	Y	30.0
24	2112	1.29	254	328	18.4	7.5	31	Y	33.5
25	1207	1.27	233	296	18.7	7.6	37	Y	36.6
26	30	1.33	237	315	19.8	7.8	37	Y	36.0
27	1357	1.21	255	308	19.2	7.5	31	Y	33.4
28	2144	1.44	264	380	20.5	7.4	24	Y	32.3
29	1857	1.41	252	355	20.6	7.3	24	Y	33.8
30	313	1.42	258	367	20.4	7.5	24	Y	33.0
31	722	1.49	233	348	20.2	7.5	24	Y	36.5

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

Report Date: Aug 03, 2022



Chlorine/Turbidity/CT Summary Report

PWS ID#: **4100731**
System Name: **Salem Public Works Department**
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: **July 2022**
Laboratory Results: **Willow Lake Lab**
OHD-Certified Lab OR100010
Date Report Issued: 8/3/2022
Contact Person: Paul Mitchell
Contact Number: 503-588-6380
Sampler: Treatment Operators
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: _____

8/4/2022