

PWS ID # 4100731

Sample Period: June 2021

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
6/1/2021	0.07	33.6	1.48	0.63	87
6/2/2021	0.06	35.1	1.51	0.64	91
6/3/2021	0.07	36.0	1.44	0.61	95
6/4/2021	0.07	36.4	1.51	0.62	95
6/5/2021	0.06	36.2	1.50	0.62	96
6/6/2021	0.06	35.9	1.64	0.62	95
6/7/2021	0.06	35.6	1.62	0.62	94
6/8/2021	0.07	33.2	1.48	0.61	86
6/9/2021	0.06	32.2	1.46	0.62	83
6/10/2021	0.06	32.4	1.45	0.62	83
6/11/2021	0.05	32.4	1.44	0.61	84
6/12/2021	0.06	32.0	1.41	0.62	83
6/13/2021	0.07	30.7	1.48	0.62	79
6/14/2021	0.06	27.9	1.42	0.60	70
6/15/2021	0.05	27.9	1.37	0.60	70
6/16/2021	0.06	27.9	1.40	0.60	70
6/17/2021	0.06	28.8	1.02	0.63	72
6/18/2021	0.06	35.3	1.31	0.64	92
6/19/2021	0.06	38.0	1.35	0.65	61
6/20/2021	0.06	38.1	1.40	<0.20	31
6/21/2021	0.06	38.4	1.37	0.57	102
6/22/2021	0.13	42.3	1.51	0.65	114
6/23/2021	0.08	44.2	1.41	0.66	118
6/24/2021	0.11	41.1	1.41	0.66	109
6/25/2021	0.06	40.7	1.38	0.64	107
6/26/2021	0.06	40.9	1.37	0.66	108
6/27/2021	0.07	43.8	1.31	0.67	48
6/28/2021	0.07	47.3	1.32	<0.20	0
6/29/2021	0.07	47.3	1.40	<0.20	0
6/30/2021	0.06	46.8	1.29	<0.20	0
Total		1,098.1			2,323
Average	0.07	36.6	1.4	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		June,2021			
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	1858	1.48	396	586	16.4	7.6	39	Y	21.5	
2	2231	1.51	363	547	16.6	7.6	39	Y	23.5	
3	2120	1.44	396	571	17.2	7.5	32	Y	21.5	
4	2238	1.51	396	598	17.8	7.5	32	Y	21.5	
5	2019	1.50	396	594	17.3	7.4	32	Y	21.5	
6	1732	1.64	406	665	16.7	7.4	32	Y	21.0	
7	1622	1.62	406	657	16.2	7.4	32	Y	21.0	
8	1351	1.48	267	395	15.7	7.5	32	Y	31.9	
9	1703	1.46	271	396	15.7	7.5	32	Y	31.4	
10	1918	1.45	262	380	15.8	7.5	32	Y	32.5	
11	1847	1.44	263	379	16.0	7.5	32	Y	32.4	
12	725	1.41	265	373	15.7	7.5	32	Y	32.2	
13	1813	1.48	316	467	15.8	7.5	32	Y	27.0	
14	1934	1.42	299	424	15.4	7.5	32	Y	28.5	
15	2328	1.37	305	418	15.0	7.4	31	Y	27.9	
16	1000	1.40	314	440	16.4	7.3	31	Y	27.1	
17	1515	1.02	284	290	18.0	7.5	31	Y	30.0	
18	105	1.31	225	294	18.0	7.6	38	Y	37.9	
19	1539	1.35	218	294	18.8	7.4	31	Y	39.1	
20	1744	1.40	221	310	20.7	7.4	23	Y	38.5	
21	2027	1.37	225	308	18.0	7.4	31	Y	37.9	
22	2235	1.51	179	271	19.1	7.4	32	Y	47.5	
23	1827	1.41	181	256	18.5	7.4	31	Y	47.0	
24	1620	1.41	208	293	19.3	7.5	32	Y	41.0	
25	1655	1.38	205	283	19.7	7.5	31	Y	41.5	
26	1538	1.37	207	284	19.6	7.4	31	Y	41.1	
27	2036	1.31	180	235	19.6	7.4	31	Y	47.4	
28	1416	1.32	180	237	19.6	7.4	31	Y	47.4	
29	1118	1.40	197	275	20.1	7.4	23	Y	43.3	
30	546	1.29	181	233	19.8	7.5	31	Y	47.2	

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

Report Date: Jul 07, 2021

OHA-Drinking Water Program- Surface Water Quality Form							County	Marion		
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		June,2021			
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	1840	1.49	414	617	17.0	7.6	39	Y	14.0	
2	2116	1.28	363	464	17.6	7.7	38	Y	16.0	
3	2035	1.02	363	370	18.2	7.5	31	Y	16.0	
4	2025	1.31	363	475	18.7	7.4	31	Y	16.0	
5	131	1.45	363	526	18.3	7.4	32	Y	16.0	
6	1837	1.39	363	504	17.1	7.6	38	Y	16.0	
7	1445	1.64	363	595	16.2	7.4	33	Y	16.0	
8	1028	1.35	182	245	15.8	7.4	31	Y	31.9	
9	1019	1.45	185	268	15.8	7.5	32	Y	31.4	
10	1650	1.43	178	255	16.0	7.6	39	Y	32.5	
11	49	1.49	179	267	16.0	7.5	32	Y	32.4	
12	733	1.60	180	288	16.0	7.5	32	Y	32.2	
13	1351	1.50	215	322	16.2	7.5	32	Y	27.0	
14	1706	1.41	204	287	16.5	7.5	32	Y	28.5	
15	2101	1.19	208	247	16.5	7.4	31	Y	27.9	
16	2223	1.31	214	280	16.6	7.3	31	Y	27.1	
17	1014	0.91	193	176	18.1	7.4	30	Y	30.0	
18	106	1.31	153	200	18.5	7.5	31	Y	37.9	
19	1520	1.44	148	214	18.6	7.5	32	Y	39.1	
20	1330	1.45	151	218	20.5	7.5	24	Y	38.5	
21	2106	1.21	153	185	18.6	7.4	31	Y	37.9	
22	2153	1.32	122	161	19.3	7.5	31	Y	47.5	
23	1053	1.29	123	159	19.2	7.4	31	Y	47.0	
24	908	1.34	141	190	20.1	7.5	23	Y	41.0	
25	1751	1.29	140	180	21.1	7.4	23	Y	41.5	
26	1038	1.34	141	189	20.0	7.4	23	Y	41.1	
27	2257	1.35	122	165	20.4	7.4	23	Y	47.4	
28	1617	1.30	122	159	20.3	7.4	23	Y	47.4	
29	2157	1.29	134	173	21.3	7.4	23	Y	43.3	
30	348	1.38	123	170	20.8	7.4	23	Y	47.2	

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

Report Date: Jul 07, 2021



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: June 2021 Laboratory Results: <i>Willow Lake Lab</i> OHD-Certified Lab: OR100010 Date Report Issued: 7/7/2021 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: 7/7/2021