

PWS ID # 4100731

Sample Period: September 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
9/1/2021	0.07	33.5	1.40	0.62	86
9/2/2021	0.07	33.5	1.47	0.62	86
9/3/2021	0.06	33.5	1.43	0.61	86
9/4/2021	0.09	33.7	1.43	0.61	86
9/5/2021	0.09	33.8	1.44	0.62	87
9/6/2021	0.10	33.7	1.64	0.61	87
9/7/2021	0.10	33.7	1.54	0.65	87
9/8/2021	0.10	36.5	1.51	0.66	94
9/9/2021	0.10	38.0	1.43	0.68	99
9/10/2021	0.09	35.2	1.38	0.67	92
9/11/2021	0.09	34.4	1.36	0.66	89
9/12/2021	0.09	35.1	1.39	0.67	91
9/13/2021	0.07	35.0	1.49	0.68	90
9/14/2021	0.13	32.6	1.45	0.64	84
9/15/2021	0.10	32.8	1.31	0.64	85
9/16/2021	0.09	32.7	1.46	0.65	84
9/17/2021	0.09	32.6	1.31	0.65	84
9/18/2021	0.10	30.9	1.40	0.65	76
9/19/2021	0.09	24.6	1.25	0.63	60
9/20/2021	0.09	25.2	1.15	0.61	61
9/21/2021	0.10	28.6	1.19	0.65	71
9/22/2021	0.10	26.5	1.32	0.63	65
9/23/2021	0.10	26.4	1.54	0.63	65
9/24/2021	0.10	26.5	1.54	0.63	65
9/25/2021	0.10	26.6	1.11	0.64	65
9/26/2021	0.10	26.6	1.62	0.63	65
9/27/2021	0.09	25.1	1.77	0.65	61
9/28/2021	0.09	22.9	1.32	0.65	55
9/29/2021	0.10	22.7	1.27	0.63	55
9/30/2021	0.09	22.5	1.19	0.63	56
Total		915.6			2,317
Average	0.09	30.5	1.4	0.64	

*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,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	238	1.40	252	353	17.4	7.5	32	Y	33.8
2	301	1.47	254	374	17.4	7.6	39	Y	33.5
3	1910	1.43	254	364	17.6	7.6	39	Y	33.5
4	1810	1.43	251	358	17.3	7.7	39	Y	34.0
5	1210	1.44	251	361	17.3	7.7	39	Y	34.0
6	1835	1.64	251	411	17.5	7.7	40	Y	34.0
7	1644	1.54	230	355	17.7	7.6	39	Y	37.0
8	1843	1.51	224	339	17.3	7.6	39	Y	38.0
9	1658	1.43	224	321	17.7	7.7	39	Y	38.0
10	1547	1.38	258	356	17.1	7.5	31	Y	33.0
11	738	1.36	243	331	17.5	7.6	38	Y	35.0
12	411	1.39	242	336	17.3	7.7	38	Y	35.2
13	1945	1.49	243	363	17.3	7.6	39	Y	35.0
14	125	1.45	240	348	17.2	7.6	38	Y	35.5
15	957	1.31	262	343	17.1	7.7	38	Y	32.5
16	1519	1.46	262	383	16.8	7.7	38	Y	32.5
17	1400	1.31	262	343	16.5	7.8	38	Y	32.5
18	2354	1.40	370	519	16.4	7.6	38	Y	23.0
19	2145	1.25	370	463	16.6	7.6	37	Y	23.0
20	1458	1.15	284	327	15.4	7.7	37	Y	30.0
21	1203	1.19	316	375	17.6	7.7	37	Y	27.0
22	137	1.32	316	417	16.3	7.7	38	Y	27.0
23	2146	1.54	320	493	16.6	7.7	39	Y	26.6
24	1718	1.54	318	490	16.5	7.7	39	Y	26.8
25	1154	1.11	319	354	16.6	7.3	31	Y	26.7
26	1315	1.62	319	517	15.0	7.6	39	Y	26.7
27	2324	1.77	316	559	15.9	7.6	40	Y	27.0
28	2242	1.32	358	473	15.8	7.5	31	Y	23.8
29	1547	1.27	1,144	1,452	15.9	7.5	31	Y	7.5
30	1553	1.19	1,217	1,448	15.5	7.5	31	Y	7.0

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

Report Date: Oct 06, 2021

OHA-Drinking Water Program- Surface Water Quality Form								County	Marion
Salem Public Works		ID# OR4100731		WTP-A		Mo/Yr		September,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	306	1.40	171	240	17.3	7.5	31	Y	33.8
2	116	1.38	173	239	16.9	7.6	38	Y	33.5
3	442	1.42	173	246	17.5	7.6	39	Y	33.5
4	2315	1.46	171	249	16.9	7.6	39	Y	34.0
5	1228	1.46	171	249	16.5	7.6	39	Y	34.0
6	2052	1.55	171	264	17.4	7.6	39	Y	34.0
7	1436	1.42	157	223	17.6	7.5	32	Y	37.0
8	544	1.45	153	221	17.5	7.5	32	Y	38.0
9	1659	1.51	153	230	17.7	7.7	39	Y	38.0
10	1441	1.44	176	253	18.0	7.5	32	Y	33.0
11	826	1.43	166	237	17.3	7.6	39	Y	35.0
12	2359	1.57	165	259	16.7	7.5	32	Y	35.2
13	1847	1.57	166	260	16.8	7.6	39	Y	35.0
14	353	1.54	163	252	16.8	7.7	39	Y	35.5
15	1844	1.51	178	269	17.2	7.7	39	Y	32.5
16	1748	1.40	178	250	16.8	7.7	38	Y	32.5
17	1123	1.43	178	255	17.1	7.7	39	Y	32.5
18	2126	1.48	252	373	16.5	7.6	39	Y	23.0
19	2239	1.34	252	338	16.1	7.6	38	Y	23.0
20	1720	1.18	193	228	15.7	7.6	37	Y	30.0
21	906	1.23	215	264	16.0	7.6	38	Y	27.0
22	218	1.29	215	277	15.9	7.6	38	Y	27.0
23	539	1.55	218	338	16.7	7.7	39	Y	26.6
24	1817	1.54	216	333	16.6	7.7	39	Y	26.8
25	1114	1.61	217	350	16.8	7.3	33	Y	26.7
26	1208	1.52	217	330	15.5	7.6	39	Y	26.7
27	2225	1.59	215	342	15.5	7.6	39	Y	27.0
28	2323	1.47	244	358	15.6	7.5	32	Y	23.8
29	1340	1.31	384	503	15.0	7.5	31	Y	15.1
30	425	1.27	387	491	14.8	7.6	57	Y	15.0

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

Report Date: Oct 06, 2021



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: September 2021
Laboratory Results: Willow Lake Lab
OHD-Certified Lab: OR100010
Date Report Issued: 10/1/2021
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: 10/6/2021