

PWS ID # 4100731

Sample Period: April 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
4/1/2021	0.07	22.7	1.38	0.69	61
4/2/2021	0.07	23.8	1.47	0.68	64
4/3/2021	0.09	24.4	1.53	0.65	66
4/4/2021	0.09	24.5	1.42	0.65	66
4/5/2021	0.08	24.4	1.44	0.65	66
4/6/2021	0.09	24.3	1.41	0.65	66
4/7/2021	0.07	24.3	1.38	0.66	86
4/8/2021	0.07	24.4	1.28	0.27	60
4/9/2021	0.08	24.3	1.34	0.60	61
4/10/2021	0.06	24.3	1.33	0.61	62
4/11/2021	0.07	24.4	1.32	0.60	62
4/12/2021	0.07	24.4	1.32	0.60	62
4/13/2021	0.07	24.3	1.30	0.58	62
4/14/2021	0.07	24.3	1.54	0.60	62
4/15/2021	0.06	25.1	1.38	0.59	64
4/16/2021	0.06	27.5	1.38	0.60	71
4/17/2021	0.06	28.1	1.50	0.60	73
4/18/2021	0.07	28.2	1.46	0.61	73
4/19/2021	0.06	28.1	1.37	0.62	73
4/20/2021	0.06	26.3	1.53	0.60	68
4/21/2021	0.06	26.3	1.50	0.59	66
4/22/2021	0.08	27.7	1.40	0.59	71
4/23/2021	0.07	30.1	1.45	0.60	76
4/24/2021	0.06	29.8	1.42	0.61	79
4/25/2021	0.06	28.5	1.53	0.58	74
4/26/2021	0.41	26.7	1.28	0.58	35
4/27/2021	0.35	28.3	1.55	<0.20	0
4/28/2021	0.12	27.3	1.52	<0.20	32
4/29/2021	0.11	28.9	1.50	0.45	76
4/30/2021	0.13	29.1	1.53	0.59	67
Total		784.7			1,904
Average	0.10	26.2	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		April,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	1244	1.38	897	1,238	8.2	7.6	76	Y	9.5	
2	1116	1.47	775	1,139	8.7	7.5	64	Y	11.0	
3	1528	1.53	1,002	1,534	9.0	7.5	64	Y	8.5	
4	1342	1.42	1,065	1,512	9.8	7.5	64	Y	8.0	
5	1230	1.44	1,002	1,443	10.0	7.5	48	Y	8.5	
6	1231	1.41	1,002	1,413	9.8	7.5	62	Y	8.5	
7	1524	1.38	947	1,306	9.1	7.4	62	Y	9.0	
8	937	1.28	897	1,148	9.2	7.6	76	Y	9.5	
9	1201	1.34	897	1,202	8.8	7.6	76	Y	9.5	
10	1608	1.33	947	1,259	8.8	7.5	62	Y	9.0	
11	921	1.32	1,002	1,323	9.0	7.5	62	Y	8.5	
12	1503	1.32	1,002	1,323	9.0	7.6	76	Y	8.5	
13	1425	1.30	947	1,231	9.2	7.6	76	Y	9.0	
14	1226	1.54	1,002	1,544	9.9	7.7	77	Y	8.5	
15	137	1.38	1,002	1,383	10.0	7.7	57	Y	8.5	
16	914	1.38	811	1,120	10.4	7.7	57	Y	10.5	
17	709	1.50	775	1,162	11.2	7.6	58	Y	11.0	
18	1114	1.46	775	1,131	11.9	7.6	58	Y	11.0	
19	1927	1.37	741	1,015	10.9	7.6	57	Y	11.5	
20	443	1.53	741	1,133	11.1	7.5	48	Y	11.5	
21	653	1.50	741	1,111	11.6	7.6	58	Y	11.5	
22	353	1.40	550	770	12.8	7.6	57	Y	15.5	
23	1034	1.45	550	797	12.6	7.4	48	Y	15.5	
24	255	1.42	550	781	12.2	7.5	48	Y	15.5	
25	1624	1.53	550	841	11.9	7.5	48	Y	15.5	
26	2252	1.28	550	704	11.9	7.5	47	Y	15.5	
27	828	1.55	609	943	12.4	7.4	48	Y	14.0	
28	1051	1.52	550	835	12.5	7.6	58	Y	15.5	
29	1650	1.50	550	824	12.8	7.6	58	Y	15.5	
30	1415	1.53	539	825	13.4	7.5	48	Y	15.8	

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

Report Date: May 03, 2021

OHA-Drinking Water Program- Surface Water Quality Form							County	Marion		
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		April,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	57	1.41	414	584	8.6	7.6	77	Y	14.0	
2	1924	1.44	352	506	9.1	7.5	64	Y	16.5	
3	1800	1.44	363	522	9.4	7.5	64	Y	16.0	
4	2150	1.40	363	508	9.8	7.5	62	Y	16.0	
5	148	1.45	363	526	10.0	7.4	48	Y	16.0	
6	1941	1.49	363	540	10.3	7.4	48	Y	16.0	
7	2030	1.31	363	475	9.3	7.4	62	Y	16.0	
8	2304	1.40	363	508	8.9	7.5	62	Y	16.0	
9	2134	1.39	363	504	8.9	7.5	62	Y	16.0	
10	1254	1.43	363	518	9.1	7.5	64	Y	16.0	
11	942	1.35	363	489	9.0	7.5	62	Y	16.0	
12	59	1.39	363	504	9.2	7.6	76	Y	16.0	
13	2122	1.13	363	410	9.2	7.6	74	Y	16.0	
14	1924	1.18	363	428	11.3	7.6	55	Y	16.0	
15	210	1.22	322	393	11.9	7.7	57	Y	18.0	
16	6	1.52	322	490	11.9	7.5	48	Y	18.0	
17	2225	1.26	341	430	11.9	7.5	47	Y	17.0	
18	1046	1.33	322	429	12.3	7.5	47	Y	18.0	
19	640	1.47	322	474	12.5	7.5	48	Y	18.0	
20	2334	1.41	322	454	12.1	7.5	48	Y	18.0	
21	2047	1.30	363	471	13.1	7.5	47	Y	16.0	
22	1909	1.42	363	515	13.1	7.5	48	Y	16.0	
23	2316	1.38	363	500	13.0	7.4	47	Y	16.0	
24	3	1.42	387	549	12.4	7.4	48	Y	15.0	
25	1019	1.50	387	580	11.9	7.5	48	Y	15.0	
26	2142	1.08	387	418	12.1	7.5	46	Y	15.0	
27	147	1.34	387	518	12.5	7.5	47	Y	15.0	
28	152	1.52	400	608	12.5	7.5	48	Y	14.5	
29	2146	1.48	400	592	13.0	7.6	58	Y	14.5	
30	256	1.51	397	600	13.5	7.5	48	Y	14.6	

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

Report Date: May 03, 2021



Chlorine/Turbidity/CT Summary Report

PWS ID#:	4100731	Sample Period:	April 2021
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:	5/5/2021
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: 6-May-21