

PWS ID # 4100731

Sample Period: January 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
1/1/2023	0.04	22.2	1.41	0.64	58
1/2/2023	0.04	22.8	1.48	0.64	59
1/3/2023	0.04	26.4	1.39	0.64	71
1/4/2023	0.04	24.7	1.37	0.64	64
1/5/2023	0.05	27.7	1.29	0.63	72
1/6/2023	0.04	26.7	1.66	0.64	69
1/7/2023	0.04	25.0	1.54	0.64	65
1/8/2023	0.04	21.1	1.50	0.64	55
1/9/2023	0.04	19.9	1.51	0.61	52
1/10/2023	0.04	23.1	1.48	0.60	60
1/11/2023	0.04	23.1	1.51	0.64	60
1/12/2023	0.04	25.5	1.49	0.61	66
1/13/2023	0.04	27.1	1.49	0.63	70
1/14/2023	0.04	23.8	1.49	0.65	62
1/15/2023	0.04	23.6	1.43	0.64	61
1/16/2023	0.04	23.7	1.41	0.63	61
1/17/2023	0.04	24.3	1.49	0.63	63
1/18/2023	0.04	26.1	1.44	0.59	68
1/19/2023	0.04	24.4	1.46	0.60	63
1/20/2023	0.04	23.7	1.53	0.60	62
1/21/2023	0.04	23.6	1.51	0.60	61
1/22/2023	0.04	25.4	1.44	0.61	66
1/23/2023	0.04	26.2	1.47	0.62	68
1/24/2023	0.04	26.0	1.48	0.66	67
1/25/2023	0.04	25.8	1.49	0.69	67
1/26/2023	0.04	25.5	1.44	0.67	66
1/27/2023	0.04	24.3	1.49	0.67	63
1/28/2023	0.04	23.7	1.55	0.67	62
1/29/2023	0.04	24.1	1.58	0.66	62
1/30/2023	0.04	25.7	1.09	0.67	67
1/31/2023	0.04	27.1	1.45	0.67	70
Total		762.3			216
Average	0.04	24.6	1.5	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		January,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	626	1.41	887	1,250	8.2	7.4	64	Y	9.6	
2	726	1.48	767	1,135	8.3	7.4	64	Y	11.1	
3	2330	1.39	599	833	8.2	7.3	62	Y	14.2	
4	20	1.37	677	928	7.3	7.5	62	Y	12.6	
5	126	1.29	655	845	8.0	7.6	76	Y	13.0	
6	2157	1.66	657	1,091	7.8	7.7	77	Y	13.0	
7	538	1.54	671	1,034	8.1	7.7	77	Y	12.7	
8	2021	1.50	587	881	8.0	7.5	64	Y	14.5	
9	2045	1.51	641	968	8.1	7.4	64	Y	13.3	
10	1759	1.48	600	888	8.0	7.5	64	Y	14.2	
11	2118	1.51	710	1,072	7.9	7.4	64	Y	12.0	
12	2144	1.49	501	747	8.0	7.5	64	Y	17.0	
13	1757	1.49	787	1,172	8.1	7.5	64	Y	10.8	
14	1242	1.49	710	1,058	8.1	7.5	64	Y	12.0	
15	1736	1.43	682	975	8.0	7.4	62	Y	12.5	
16	751	1.41	741	1,045	8.2	7.6	77	Y	11.5	
17	1427	1.49	588	875	7.8	7.6	77	Y	14.5	
18	1821	1.44	731	1,052	7.9	7.6	77	Y	11.7	
19	416	1.46	612	893	7.9	7.5	64	Y	13.9	
20	2231	1.53	709	1,085	7.9	7.5	64	Y	12.0	
21	1628	1.51	710	1,072	7.5	7.6	77	Y	12.0	
22	1540	1.44	568	818	7.3	7.6	77	Y	15.0	
23	1400	1.47	568	835	7.1	7.6	77	Y	15.0	
24	522	1.48	710	1,051	7.3	7.6	77	Y	12.0	
25	2150	1.49	710	1,058	7.4	7.7	77	Y	12.0	
26	722	1.44	655	944	7.1	7.5	64	Y	13.0	
27	2029	1.49	609	907	7.7	7.6	77	Y	14.0	
28	1547	1.55	704	1,090	7.4	7.6	77	Y	12.1	
29	1101	1.58	632	999	7.6	7.6	77	Y	13.5	
30	1028	1.09	578	630	7.4	7.6	74	Y	14.8	
31	1453	1.45	664	963	6.8	7.7	77	Y	12.8	

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

Report Date: Feb 07, 2023

OHA-Drinking Water Program- Surface Water Quality Form

County Marion

Salem Public Works

ID# OR4100731

WTP-A

Mo/Yr

January,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	1736	1.45	426	618	8.1	7.4	64	Y	13.6
2	1700	1.53	387	592	8.0	7.4	64	Y	15.0
3	1510	1.40	359	503	7.6	7.4	62	Y	16.2
4	1028	1.42	361	513	7.3	7.5	64	Y	16.1
5	2248	1.67	363	605	8.1	7.6	79	Y	16.0
6	230	1.55	371	575	7.5	7.7	77	Y	15.6
7	2027	1.52	439	667	8.4	7.6	77	Y	13.2
8	1450	1.51	440	665	7.9	7.4	64	Y	13.2
9	1701	1.47	380	559	8.0	7.4	64	Y	15.3
10	4	1.50	378	567	7.8	7.4	64	Y	15.3
11	1657	1.46	483	706	7.7	7.4	64	Y	12.0
12	29	1.43	352	503	8.0	7.5	64	Y	16.5
13	934	1.49	353	526	8.3	7.4	64	Y	16.4
14	223	1.50	464	696	8.1	7.4	64	Y	12.5
15	1054	1.44	483	696	7.8	7.5	64	Y	12.0
16	211	1.46	768	1,122	8.3	7.5	64	Y	7.6
17	2339	1.46	387	565	7.7	7.6	77	Y	15.0
18	116	1.47	378	556	7.7	7.4	64	Y	15.3
19	556	1.54	380	586	7.9	7.4	64	Y	15.3
20	2010	1.50	465	697	8.1	7.4	64	Y	12.5
21	1803	1.51	464	701	7.2	7.5	64	Y	12.5
22	2011	1.50	464	696	7.0	7.5	64	Y	12.5
23	1615	1.47	483	711	7.2	7.5	64	Y	12.0
24	116	1.51	387	584	7.6	7.5	64	Y	15.0
25	2339	1.46	387	565	7.9	7.6	77	Y	15.0
26	9	1.48	387	572	6.7	7.5	64	Y	15.0
27	1140	1.54	414	638	7.1	7.6	77	Y	14.0
28	2300	1.54	469	723	7.7	7.6	77	Y	12.4
29	46	1.59	443	705	7.0	7.6	77	Y	13.1
30	1922	1.60	374	598	6.6	7.6	77	Y	15.5
31	2124	1.54	376	579	5.8	7.7	77	Y	15.4

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



Chlorine/Turbidity/CT Summary Report

PWS ID#:	4100731	Sample Period:	January 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:	2/7/2023
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: February 7, 2023