

PWS ID # 4100731

Sample Period: March 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
3/1/2022	0.12	23.2	1.36	0.63	60
3/2/2022	0.83	23.2	1.30	0.61	59
3/3/2022	0.25	23.2	1.22	0.61	59
3/4/2022	0.25	23.5	1.33	0.61	60
3/5/2022	0.19	24.2	1.37	0.61	63
3/6/2022	0.16	25.2	1.48	0.62	66
3/7/2022	0.16	25.6	1.46	0.62	67
3/8/2022	0.16	26.0	1.49	0.62	68
3/9/2022	0.16	26.5	1.42	0.61	70
3/10/2022	0.22	27.1	1.37	0.62	72
3/11/2022	0.22	27.8	1.35	0.63	74
3/12/2022	0.23	27.5	1.33	0.64	74
3/13/2022	0.16	27.2	1.48	0.63	73
3/14/2022	0.13	25.9	1.46	0.63	68
3/15/2022	0.19	24.7	1.47	0.64	65
3/16/2022	0.35	24.7	1.27	0.62	64
3/17/2022	0.26	24.7	1.39	0.61	64
3/18/2022	0.24	25.0	1.45	0.61	65
3/19/2022	0.20	25.4	1.48	0.61	67
3/20/2022	0.17	25.4	1.35	0.63	66
3/21/2022	0.11	25.4	1.30	0.62	66
3/22/2022	0.31	25.5	1.29	0.57	66
3/23/2022	0.14	25.4	1.34	0.57	66
3/24/2022	0.20	25.4	1.43	0.58	66
3/25/2022	0.18	25.3	1.45	0.58	66
3/26/2022	0.22	25.1	1.43	0.59	65
3/27/2022	0.20	25.1	1.39	0.58	65
3/28/2022	0.17	23.6	1.50	0.59	61
3/29/2022	0.20	22.3	1.49	0.63	57
3/30/2022	0.19	22.3	1.52	0.63	57
3/31/2022	0.18	25.2	1.42	0.62	65
Total		776.4			2,024
Average	0.22	25.1	1.4	0.61	

*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		March,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	2250	1.42	527	749	6.9	7.4	64	Y	11.0	
2	604	1.35	527	712	8.8	7.5	62	Y	11.0	
3	2213	1.29	527	680	8.3	7.5	62	Y	11.0	
4	100	1.35	483	653	8.6	7.6	76	Y	12.0	
5	2043	1.48	464	687	8.6	7.4	64	Y	12.5	
6	2121	1.48	414	613	9.3	7.4	64	Y	14.0	
7	2139	1.48	414	613	10.1	7.6	58	Y	14.0	
8	248	1.55	397	616	8.7	7.5	64	Y	14.6	
9	1107	1.62	395	639	7.4	7.5	65	Y	14.7	
10	2326	1.37	363	497	7.6	7.5	62	Y	16.0	
11	2201	1.34	360	482	7.2	7.5	62	Y	16.1	
12	228	1.35	483	653	7.4	7.7	76	Y	12.0	
13	2356	1.49	483	720	7.4	7.5	64	Y	12.0	
14	4	1.48	483	715	7.3	7.7	77	Y	12.0	
15	124	1.47	290	426	7.8	7.7	77	Y	20.0	
16	2350	1.30	305	397	8.1	7.5	62	Y	19.0	
17	209	1.27	270	343	9.3	7.6	76	Y	21.5	
18	5	1.38	418	577	8.9	7.6	76	Y	13.9	
19	20	1.43	483	691	8.9	7.5	64	Y	12.0	
20	240	1.44	472	680	8.4	7.6	77	Y	12.3	
21	957	1.39	424	589	7.9	7.6	76	Y	13.7	
22	2325	1.41	414	584	8.3	7.7	77	Y	14.0	
23	2321	1.41	277	390	9.1	7.7	77	Y	21.0	
24	146	1.49	414	617	9.1	7.5	64	Y	14.0	
25	147	1.53	413	632	9.8	7.6	77	Y	14.0	
26	1535	1.49	431	642	9.6	7.5	64	Y	13.5	
27	230	1.50	527	791	10.4	7.5	48	Y	11.0	
28	1847	1.55	504	782	9.9	7.4	64	Y	11.5	
29	2015	1.53	483	740	10.0	7.4	48	Y	12.0	
30	2238	1.42	548	778	10.0	7.6	58	Y	10.6	
31	2	1.45	383	555	10.3	7.5	48	Y	15.2	

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

Report Date: Apr 07, 2022

OHA-Drinking Water Program- Surface Water Quality Form							County	Marion		
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		March,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	1339	1.36	655	891	7.0	7.6	76	Y	13.0	
2	1158	1.30	655	852	7.9	7.6	76	Y	13.0	
3	1009	1.22	655	800	7.4	7.5	62	Y	13.0	
4	1639	1.33	609	809	8.2	7.6	76	Y	14.0	
5	1641	1.37	631	865	8.2	7.6	76	Y	13.5	
6	1506	1.48	655	970	8.4	7.5	64	Y	13.0	
7	1349	1.46	655	957	8.2	7.6	77	Y	13.0	
8	2330	1.49	662	987	8.2	7.6	77	Y	12.9	
9	1750	1.42	676	960	7.8	7.6	76	Y	12.6	
10	1555	1.37	655	898	7.8	7.7	74	Y	13.0	
11	1101	1.35	675	911	7.0	7.7	76	Y	12.6	
12	1055	1.33	682	906	7.8	7.8	76	Y	12.5	
13	1826	1.48	775	1,146	7.6	7.7	77	Y	11.0	
14	1559	1.46	609	888	7.8	7.8	74	Y	14.0	
15	1648	1.47	396	583	7.8	7.7	74	Y	21.5	
16	1735	1.27	437	555	8.0	7.7	76	Y	19.5	
17	1157	1.39	426	592	8.7	7.8	74	Y	20.0	
18	739	1.45	652	946	8.9	7.7	77	Y	13.1	
19	643	1.48	682	1,009	8.6	7.7	77	Y	12.5	
20	1630	1.35	618	835	8.5	7.7	76	Y	13.8	
21	1805	1.30	692	899	8.0	7.6	76	Y	12.3	
22	1549	1.29	682	879	9.3	7.8	76	Y	12.5	
23	805	1.34	687	920	8.7	7.7	76	Y	12.4	
24	33	1.43	631	902	9.0	7.7	77	Y	13.5	
25	1804	1.45	699	1,013	9.4	7.8	77	Y	12.2	
26	1639	1.43	706	1,010	9.6	7.7	77	Y	12.1	
27	1737	1.39	741	1,030	9.8	7.7	76	Y	11.5	
28	5	1.50	588	881	9.8	7.6	77	Y	14.5	
29	1446	1.49	710	1,058	10.1	7.5	48	Y	12.0	
30	1018	1.52	682	1,037	10.0	7.6	58	Y	12.5	
31	1705	1.42	513	728	10.4	7.6	57	Y	16.6	

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

Report Date: Apr 07, 2022



Chlorine/Turbidity/CT Summary Report

PWS ID#:	4100731	Sample Period:	March 2022
System Name:	Salem Public Works Department	Laboratory Results:	Willow Lake Lab
Address:	1410 20th St SE, Bldg 2 Salem OR 97302	OHD-Certified Lab	OR100010
Contact Person:	Dwayne Barnes, Utility Operations Manager	Date Report Issued:	4/6/2022
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: 4/7/2022



Public Works Department

555 Liberty Street SE / Room 325 • Salem OR 97301-3513 • Phone 503-588-6211 • Fax 503-588-6025

April 5, 2022

Oregon Health Authority
Drinking Water Program
PO Box 14350
Portland OR 97293-0350

**SUBJECT: Surface Water Treatment Rule Results
PWS No. 4100731**

Ladies and Gentlemen:

Enclosed are the City of Salem's Surface Water Treatment Rule water quality results from the Geren Island Water Treatment Facility (WTP-A) for **March 2022**. Results reported are turbidity, CT, and chlorine. These results are compliant with regulations.

If you have any questions, please contact me at 503-588-6483.

Sincerely,

Dwayne Barnes
Utility Operations Manager

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Enclosure: Results

By Email

cc: File

**Transportation and Utility
Operations**

1410 20th Street SE / Building 2
Salem OR 97302-1209
Phone 503-588-6063
Fax 503-588-6480

Parks Operations

1460 20th Street SE / Building 14
Salem OR 97302-1209
Phone 503-588-6336
Fax 503-588-6305

**Willow Lake Water Pollution
Control Facility**

5915 Windsor Island Road N
Keizer OR 97303-6179
Phone 503-588-6380
Fax 503-588-6387