

PWS ID # 4100731

Sample Period: June 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
6/1/2022	0.05	25.4	1.33	0.65	68
6/2/2022	0.05	26.4	1.33	0.64	71
6/3/2022	0.07	26.4	1.36	0.63	71
6/4/2022	0.10	26.2	1.44	0.65	70
6/5/2022	0.06	21.8	1.47	0.65	57
6/6/2022	0.06	19.8	1.46	0.62	50
6/7/2022	0.06	19.9	1.36	0.62	51
6/8/2022	0.06	19.9	1.08	0.63	50
6/9/2022	0.05	22.9	1.10	0.58	60
6/10/2022	0.05	24.4	1.49	0.63	64
6/11/2022	0.06	23.2	1.43	0.62	61
6/12/2022	0.05	21.4	1.41	0.62	55
6/13/2022	0.05	21.4	1.30	0.62	56
6/14/2022	0.06	21.4	1.30	0.63	57
6/15/2022	0.06	22.6	1.33	0.62	61
6/16/2022	0.06	25.1	1.40	0.64	68
6/17/2022	0.06	23.2	1.42	0.67	62
6/18/2022	0.05	21.6	1.35	0.65	58
6/19/2022	0.06	22.3	1.47	0.66	59
6/20/2022	0.06	23.2	1.37	0.67	63
6/21/2022	0.06	27.7	1.46	0.70	78
6/22/2022	0.07	29.9	1.37	0.74	86
6/23/2022	0.30	30.4	1.25	0.68	84
6/24/2022	0.15	30.5	1.22	0.61	78
6/25/2022	0.08	30.9	1.35	0.61	80
6/26/2022	0.07	35.0	1.30	0.62	92
6/27/2022	0.07	37.4	1.39	0.63	96
6/28/2022	0.07	34.1	1.32	0.64	90
6/29/2022	0.07	32.1	1.30	0.63	85
6/30/2022	0.07	37.0	1.33	0.63	99
Total		783.3			2,080
Average	0.07	26.1	1.3	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		June,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	1740	1.50	331	497	14.7	7.4	48	Y	17.5
2	1658	1.37	331	454	14.6	7.4	47	Y	17.5
3	128	1.39	331	461	14.4	7.5	47	Y	17.5
4	10	1.51	341	515	13.8	7.5	48	Y	17.0
5	301	1.51	341	515	13.3	7.5	48	Y	17.0
6	851	1.52	611	928	13.6	7.5	48	Y	9.5
7	1655	1.24	580	719	13.8	7.7	57	Y	10.0
8	1012	1.23	552	679	13.7	7.7	57	Y	10.5
9	1211	1.35	380	513	14.8	7.6	57	Y	15.3
10	1808	1.45	374	543	14.3	7.6	58	Y	15.5
11	1449	1.44	383	551	14.8	7.4	48	Y	15.2
12	1510	1.49	611	910	13.8	7.5	48	Y	9.5
13	1915	1.33	483	643	13.6	7.4	47	Y	12.0
14	1907	1.32	483	638	13.4	7.3	47	Y	12.0
15	1658	1.31	412	540	13.4	7.3	47	Y	14.1
16	1946	1.31	370	485	14.0	7.4	47	Y	15.7
17	1945	1.37	400	548	13.9	7.3	47	Y	14.5
18	204	1.51	464	701	13.7	7.5	48	Y	12.5
19	1936	1.49	527	786	13.5	7.5	48	Y	11.0
20	1915	1.56	527	823	14.4	7.4	48	Y	11.0
21	1913	1.49	340	507	16.0	7.4	32	Y	17.1
22	1950	1.45	331	481	15.4	7.5	32	Y	17.5
23	1847	1.25	336	421	15.0	7.5	31	Y	17.2
24	1144	1.27	336	427	16.6	7.6	38	Y	17.2
25	5	1.40	331	464	16.9	7.6	38	Y	17.5
26	1445	1.45	322	467	16.5	7.5	32	Y	18.0
27	1435	1.36	322	438	17.6	7.6	38	Y	18.0
28	2000	1.22	314	383	17.7	7.3	31	Y	18.5
29	1326	1.22	362	441	17.1	7.4	31	Y	16.0
30	1932	1.48	352	520	16.9	7.4	32	Y	16.5

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

Report Date: Jul 06, 2022

OHA-Drinking Water Program- Surface Water Quality Form								County	Marion
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		June,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	11	1.33	645	858	13.2	7.5	47	Y	13.2
2	1855	1.33	852	1,133	13.1	7.6	57	Y	10.0
3	1244	1.36	852	1,159	13.6	7.6	57	Y	10.0
4	1850	1.44	947	1,363	13.4	7.6	57	Y	9.0
5	1636	1.47	532	783	13.2	7.6	57	Y	16.0
6	1223	1.46	811	1,185	13.1	7.6	58	Y	10.5
7	1640	1.36	811	1,103	13.9	7.5	47	Y	10.5
8	1149	1.08	844	911	13.6	7.7	55	Y	10.1
9	1323	1.10	574	632	14.1	7.8	55	Y	14.8
10	2347	1.49	852	1,269	14.2	7.6	58	Y	10.0
11	2148	1.43	668	955	14.5	7.5	48	Y	12.8
12	2120	1.41	710	1,001	14.1	7.4	47	Y	12.0
13	101	1.30	775	1,007	13.9	7.3	47	Y	11.0
14	1959	1.30	811	1,055	13.9	7.4	47	Y	10.5
15	337	1.33	684	909	13.7	7.3	47	Y	12.5
16	225	1.40	625	875	14.2	7.5	47	Y	13.6
17	2253	1.42	461	654	14.1	7.4	48	Y	18.5
18	30	1.35	655	885	13.8	7.5	48	Y	13.0
19	5	1.47	609	895	13.8	7.5	48	Y	14.0
20	149	1.37	631	865	15.0	7.4	32	Y	13.5
21	2218	1.46	427	623	15.8	7.5	32	Y	20.0
22	1940	1.37	588	805	14.7	7.5	47	Y	14.5
23	1615	1.25	602	753	15.0	7.5	31	Y	14.2
24	1627	1.22	508	620	16.0	7.6	38	Y	16.8
25	1342	1.35	609	822	16.2	7.7	38	Y	14.0
26	1830	1.30	426	554	16.0	7.6	38	Y	20.0
27	1719	1.39	426	592	16.3	7.5	31	Y	20.0
28	1754	1.32	363	479	16.6	7.4	31	Y	23.5
29	1549	1.30	492	640	16.6	7.5	31	Y	17.3
30	1044	1.33	334	444	16.4	7.4	31	Y	25.5

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

Report Date: Jul 07, 2022



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: **June 2022**
Laboratory Results: **Willow Lake Lab**
OHD-Certified Lab OR100010
Date Report Issued: 7/7/2022
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: July 7, 2022



Public Works Department

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

July 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 **June 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