

PWS ID # 4100731

Sample Period: May 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
5/1/2023	0.06	24.4	1.40	0.56	63.00
5/2/2023	0.07	23.7	1.39	0.63	62
5/3/2023	0.05	25.6	1.40	0.64	57
5/4/2023	0.04	26.8	1.44	0.63	57
5/5/2023	0.04	22.3	1.39	0.64	58
5/6/2023	0.04	22.3	1.41	0.64	58
5/7/2023	0.05	22.4	1.44	0.64	58
5/8/2023	0.04	22.4	1.54	0.65	58
5/9/2023	0.04	22.5	1.49	0.63	58
5/10/2023	0.06	22.6	1.49	0.58	59
5/11/2023	0.04	23.1	1.53	0.59	60
5/12/2023	0.05	24.5	1.48	0.58	64
5/13/2023	0.05	28.7	1.46	0.60	78
5/14/2023	0.06	31.4	1.38	0.62	87
5/15/2023	0.05	35.0	1.15	0.63	97
5/16/2023	0.05	36.9	1.23	0.63	103
5/17/2023	0.05	36.5	1.02	0.65	102
5/18/2023	0.05	37.4	1.04	0.64	105
5/19/2023	0.05	36.6	1.06	0.65	102
5/20/2023	0.07	36.7	1.05	0.64	103
5/21/2023	0.05	36.7	1.12	0.64	102
5/22/2023	0.05	35.5	1.14	0.64	98
5/23/2023	0.05	34.4	1.13	0.63	95
5/24/2023	0.05	34.6	1.09	0.65	95
5/25/2023	0.05	34.8	1.02	0.66	96
5/26/2023	0.07	32.8	1.11	0.65	90
5/27/2023	0.05	32.3	1.15	0.67	88
5/28/2023	0.05	33.7	1.15	0.67	92
5/29/2023	0.05	36.9	1.13	0.68	102
5/30/2023	0.05	38.9	1.06	0.69	109
5/31/2023	0.05	39.0	1.10	0.68	108
Total		951.3			2,564
Average	0.05	30.7	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		May,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	903	1.38	504	696	11.8	7.6	57	Y	11.5	
2	703	1.36	400	544	11.8	7.4	47	Y	14.5	
3	723	1.37	483	662	11.4	7.6	57	Y	12.0	
4	2218	1.38	483	667	11.7	7.4	47	Y	12.0	
5	430	1.39	483	672	11.5	7.4	47	Y	12.0	
6	1655	1.48	483	715	11.6	7.3	48	Y	12.0	
7	1701	1.51	483	730	12.2	7.4	48	Y	12.0	
8	1713	1.50	483	725	12.0	7.4	48	Y	12.0	
9	2152	1.44	483	696	11.9	7.5	48	Y	12.0	
10	1209	1.46	504	736	12.7	7.5	48	Y	11.5	
11	2029	1.07	446	477	12.4	7.4	46	Y	13.0	
12	1729	1.41	387	545	13.3	7.4	48	Y	15.0	
13	1701	1.46	290	423	13.7	7.4	48	Y	20.0	
14	1304	1.39	290	403	14.2	7.5	47	Y	20.0	
15	1826	1.15	305	351	14.7	7.4	46	Y	19.0	
16	2243	1.14	322	367	15.8	7.5	31	Y	18.0	
17	1551	1.07	322	345	15.0	7.4	31	Y	18.0	
18	1711	1.13	305	345	15.9	7.5	31	Y	19.0	
19	1712	1.04	322	335	15.3	7.4	31	Y	18.0	
20	7	1.10	341	375	15.3	7.4	31	Y	17.0	
21	1806	1.03	341	351	15.2	7.5	31	Y	17.0	
22	1014	1.05	341	358	15.3	7.5	31	Y	17.0	
23	1000	1.18	420	496	14.1	7.5	46	Y	13.8	
24	2248	1.08	422	456	14.4	7.6	55	Y	13.7	
25	1652	1.05	421	442	14.9	7.5	46	Y	13.8	
26	1605	1.12	424	475	14.9	7.4	46	Y	13.7	
27	1410	1.16	529	613	15.4	7.4	31	Y	11.0	
28	1506	1.13	446	504	15.8	7.4	31	Y	13.0	
29	935	1.11	320	356	15.9	7.5	31	Y	18.1	
30	1904	1.11	320	355	16.0	7.4	31	Y	18.1	
31	1807	1.08	318	344	15.9	7.6	37	Y	18.2	

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

Report Date: Jun 06, 2023

OHA-Drinking Water Program- Surface Water Quality Form								County	Marion
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		May,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	1523	1.40	631	884	12.2	7.5	47	Y	13.5
2	1359	1.39	341	474	11.7	7.6	57	Y	25.0
3	1649	1.40	370	519	11.5	7.6	57	Y	23.0
4	1850	1.44	370	533	11.5	7.5	48	Y	23.0
5	21	1.39	370	515	11.4	7.4	48	Y	23.0
6	1449	1.41	370	522	11.4	7.4	48	Y	23.0
7	1557	1.44	370	533	11.5	7.4	48	Y	23.0
8	901	1.54	370	570	11.7	7.4	48	Y	23.0
9	1848	1.49	370	552	11.6	7.5	48	Y	23.0
10	1617	1.49	310	462	11.9	7.5	48	Y	27.5
11	2231	1.53	348	532	12.5	7.6	58	Y	24.5
12	1809	1.48	328	485	12.7	7.4	48	Y	26.0
13	17	1.46	279	408	13.7	7.5	48	Y	30.5
14	1529	1.38	258	356	15.2	7.5	31	Y	33.0
15	1826	1.15	227	261	15.2	7.6	38	Y	37.5
16	1625	1.23	227	279	14.5	7.5	46	Y	37.5
17	1846	1.02	230	235	14.2	7.4	46	Y	37.0
18	1033	1.04	213	222	14.7	7.5	44	Y	40.0
19	1427	1.06	221	235	14.6	7.4	45	Y	38.5
20	937	1.05	230	242	14.8	7.4	46	Y	37.0
21	2005	1.12	224	251	14.7	7.5	46	Y	38.0
22	1019	1.14	227	259	14.6	7.6	55	Y	37.5
23	1534	1.13	391	442	14.1	7.5	46	Y	21.8
24	2256	1.09	392	428	14.2	7.6	55	Y	21.7
25	1714	1.02	457	466	14.4	7.5	46	Y	18.7
26	1441	1.11	384	426	14.5	7.3	46	Y	22.2
27	1729	1.15	384	441	14.9	7.4	46	Y	22.2
28	1259	1.15	609	700	15.3	7.4	31	Y	14.0
29	1649	1.13	336	380	15.3	7.5	31	Y	25.4
30	2054	1.06	390	414	15.4	7.5	31	Y	21.8
31	42	1.10	389	428	15.2	7.6	37	Y	21.9

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

Report Date: Jun 06, 2023



Chlorine/Turbidity/CT Summary Report

<p>PWS ID#: 4100731</p> <p>System Name: <i>Salem Public Works Department</i></p> <p>Address: 1410 20th St SE, Bldg 2 Salem OR 97302</p> <p>Contact Person: Dwayne Barnes, Utility Operations Manager</p> <p>Contact Number: 503-588-6483</p> <p>Source Water: North Santiam River</p> <p>Treatment Type: Slow Sand Filtration</p> <p>Sample Location: Aldersgate and Geren Island</p>	<p>Sample Period: May 2023</p> <p>Laboratory Results: <i>Willow Lake Lab</i></p> <p>OHD-Certified Lab: OR100010</p> <p>Date Report Issued: 6/6/2023</p> <p>Contact Person: Paul Mitchell</p> <p>Contact Number: 503-588-6380</p> <p>Sampler: Treatment Operators</p> <p>Sample Date: As reported</p> <p>Source ID #: EP-A and WTP-A</p>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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-Jun-23



Public Works Department

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

June 6, 2023

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 **May 2023**. 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

LG:\VLS\AT:G:\Group\Files\CHRONO\2023\LG 060623 SWTR_May2023.docx

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