

PWS ID # 4100731
Salem Public Works Department

Sample Period: April 2025

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
4/1/2025	0.10	29.9	1.13	0.59	87
4/2/2025	0.06	27.7	0.00	0.59	85
4/3/2025	0.04	29.6	0.78	0.64	91
4/4/2025	0.04	29.5	1.05	0.66	92
4/5/2025	0.04	29.3	1.08	0.66	92
4/6/2025	0.04	27.6	1.09	0.64	86
4/7/2025	0.05	28.2	0.91	0.63	86
4/8/2025	0.05	29.7	0.90	0.64	92
4/9/2025	0.05	28.3	1.08	0.66	87
4/10/2025	0.05	27.1	1.07	0.65	84
4/11/2025	0.04	27.1	1.22	0.68	85
4/12/2025	0.04	27.0	1.47	0.69	84
4/13/2025	0.04	27.0	1.28	0.68	85
4/14/2025	0.04	27.0	1.30	0.68	84
4/15/2025	0.04	28.2	1.19	0.69	89
4/16/2025	0.05	29.3	1.19	0.68	92
4/17/2025	0.05	29.5	1.09	0.68	92
4/18/2025	0.28	28.0	0.91	0.63	85
4/19/2025	0.05	30.2	1.25	0.81	87
4/20/2025	0.05	30.2	1.20	0.63	87
4/21/2025	0.16	30.2	1.18	0.63	87
4/22/2025	0.05	30.2	1.24	0.62	87
4/23/2025	0.05	30.5	1.25	0.63	87
4/24/2025	0.05	30.3	1.14	0.61	88
4/25/2025	0.05	32.1	1.16	0.63	93
4/26/2025	0.06	33.5	1.01	0.63	98
4/27/2025	0.06	33.0	0.97	0.64	97
4/28/2025	0.12	19.5	0.99	0.63	69
4/29/2025	0.06	9.5	1.02	0.63	19
4/30/2025	0.09	15.6	1.16	0.53	59
Total		834.7			2,536
Average	0.07	27.8	1.08	0.65	

*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

On April 2, 2025, chlorine reading was below 0.2 mg/L for 7 minutes from 16:33 to 16:40 at Aldersgate Line 1. Staff spc Wikstrom regarding the event.

OHA-Drinking Water Program- Surface Water Quality Form							County	Marion	
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		April,2025		
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	829	1.13	391	442	9.0	7.5	61	Y	25.2
2	1628	0.00	395	0	9.2	7.2	55	N	25.0
3	2327	0.99	395	391	9.3	7.4	60	Y	25.0
4	6	1.05	390	410	9.4	7.4	61	Y	25.3
5	29	1.08	394	425	9.7	7.5	61	Y	25.1
6	2	1.09	396	431	10.1	7.5	46	Y	24.9
7	2343	0.91	387	352	10.2	7.4	45	Y	25.5
8	150	0.90	386	347	10.2	7.5	45	Y	25.6
9	139	1.08	379	410	10.6	7.5	46	Y	26.0
10	144	1.07	432	462	10.9	7.4	46	Y	22.9
11	136	1.22	433	528	10.8	7.5	47	Y	22.8
12	2	1.47	365	537	10.9	7.5	48	Y	27.0
13	2108	1.28	364	466	10.4	7.5	47	Y	27.1
14	8	1.30	365	475	10.6	7.6	57	Y	27.0
15	2358	1.19	390	465	10.9	7.4	46	Y	25.3
16	240	1.19	387	461	11.3	7.3	46	Y	25.5
17	1923	1.09	385	420	12.1	7.5	46	Y	25.6
18	1524	0.91	395	359	11.4	7.3	45	Y	25.0
19	2345	1.25	373	466	11.9	7.2	47	Y	26.5
20	2240	1.23	377	464	12.0	7.3	47	Y	26.2
21	24	1.22	376	459	11.6	7.3	47	Y	26.2
22	223	1.25	374	467	11.3	7.4	47	Y	26.4
23	2244	1.25	374	467	11.6	7.4	47	Y	26.4
24	2205	1.14	376	429	12.5	7.5	46	Y	26.2
25	34	1.16	332	385	12.6	7.4	46	Y	29.8
26	2359	1.01	328	331	12.4	7.4	46	Y	30.1
27	2234	0.97	332	322	12.4	7.5	45	Y	29.8
28	0	0.99	335	332	12.5	7.7	54	Y	29.5
29	2230	1.02	2,159	2,202	12.4	7.6	55	Y	4.6
30	920	1.28	290	371	12.4	7.7	57	Y	34.0

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

On April 2, 2025, chlorine reading was below 0.2 mg/L for 7 minutes from 16:33 to 16:40 at Aldersgate Line 1. Staff spoke with Chantal Wikstrom regarding the event.

Report Date: May 05, 2025

OHA-Drinking Water Program- Surface Water Quality Form								County	Marion
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		April,2025		
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	1145	1.19	798	949	9.6	7.5	61	Y	5.6
2	706	1.19	890	1,060	9.6	7.5	62	Y	5.0
3	518	0.78	890	695	9.7	7.6	70	Y	5.0
4	1147	1.22	858	1,047	9.7	7.6	74	Y	5.2
5	1700	1.29	864	1,115	9.8	7.6	76	Y	5.2
6	1521	1.25	870	1,087	10.0	7.7	57	Y	5.1
7	1115	1.35	918	1,239	10.3	7.5	47	Y	4.9
8	1424	1.18	863	1,018	10.3	7.6	55	Y	5.2
9	325	1.25	594	743	10.6	7.6	57	Y	7.5
10	1417	1.31	843	1,105	10.6	7.6	55	Y	5.3
11	1857	1.35	899	1,214	10.6	7.6	57	Y	5.0
12	4	1.49	968	1,442	10.7	7.6	58	Y	4.6
13	1947	1.64	957	1,570	10.7	7.6	60	Y	4.7
14	1058	1.49	928	1,382	10.7	7.6	58	Y	4.8
15	18	1.44	894	1,287	10.8	7.6	58	Y	5.0
16	1550	1.29	896	1,156	11.1	7.5	47	Y	5.0
17	1818	1.29	497	641	11.7	7.7	57	Y	9.0
18	1911	1.27	890	1,131	11.9	7.6	54	Y	5.0
19	1247	1.26	931	1,174	11.9	7.3	47	Y	4.8
20	1722	1.20	968	1,161	11.8	7.3	47	Y	4.6
21	1604	1.18	970	1,145	12.0	7.5	46	Y	4.6
22	1602	1.24	905	1,122	11.8	7.5	47	Y	4.9
23	1425	1.31	823	1,078	11.8	7.5	47	Y	5.4
24	1817	1.18	912	1,077	12.0	7.6	55	Y	4.9
25	1608	1.17	533	623	12.0	7.4	46	Y	8.4
26	1609	1.17	832	974	12.2	7.5	46	Y	5.4
27	1719	1.12	920	1,030	12.2	7.5	46	Y	4.8
28	2246	1.16	479	556	12.4	7.7	55	Y	9.3
29	1011	1.16	837	971	12.3	7.8	55	Y	5.3
30	855	1.16	1,113	1,291	12.4	7.5	46	Y	4.0

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

Report Date: May 05, 2025



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 Period: April 2025
Laboratory Results: Willow Lake Lab
OHD-Certified Lab: OR100010
Date Report Issued: 5/5/2025
Contact Person: Paul Mitchell
Contact Number: 503-588-6380
Sampler: Treatment Operators
Sample Date: As reported

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?	No*
4. Chlorine	Were all entry point chlorine residuals readings greater than or equal to 0.2 mg/L for the month?	No
5. Chlorine	Was a detectable chlorine residual measured in at least 95% of the samples measured for the month?	Yes

*On April 2, 2025, chlorine reading was below 0.2 mg/L for 7 minutes (16:33 - 16:40) at Aldersgate Line 1. Staff spoke with Chantal Wikstrom regarding the event.

Print Name: Dwayne Barnes, Utility Operations Manager
Signature: 
Date: May 6, 2025

CITY OF *Salem*
AT YOUR SERVICE
Public Works Department
APWA ACCREDITED AGENCY

555 Liberty Street SE / Room 325 • PO Box 14300, Salem, OR 97309-0325 • Phone 503-588-6211 • Fax 503-588-6025

May 5, 2025

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 **April 2025**. 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 Operations, Utility Operations, and Engineering

1457 23rd St SE, Salem, OR
Mailing Address: PO Box 14300, Salem, OR 97309-1457
Phone 503-588-6270 • Fax 503-588-6480

Willow Lake Water Pollution Control Facility

5915 Windsor Island Road N, Keizer, OR
Mailing Address: PO Box 14300, Salem, OR 97309-5915
Phone 503-588-6380 • Fax 503-588-6387