

PWS ID # 4100731

Sample Period: December 2024

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
12/1/2024	0.04	24.6	0.94	0.69	74
12/2/2024	0.06	24.7	1.15	0.68	73
12/3/2024	0.04	24.9	0.80	0.67	72
12/4/2024	0.04	24.9	1.07	0.69	74
12/5/2024	0.04	25.1	1.02	0.70	76
12/6/2024	0.04	25.3	1.03	0.71	78
12/7/2024	0.04	25.4	0.98	0.74	79
12/8/2024	0.04	25.4	1.08	0.74	79
12/9/2024	0.04	27.9	1.14	0.75	91
12/10/2024	0.04	28.8	1.11	0.77	92
12/11/2024	0.04	28.6	1.22	0.78	92
12/12/2024	0.04	28.5	1.12	0.72	91
12/13/2024	0.04	28.3	1.11	0.73	90
12/14/2024	0.04	25.3	1.12	0.73	84
12/15/2024	0.04	24.4	1.31	0.71	77
12/16/2024	0.04	25.6	1.32	0.72	79
12/17/2024	0.04	25.8	1.01	0.72	80
12/18/2024	0.04	27.2	0.97	0.73	88
12/19/2024	0.04	26.0	1.09	0.69	85
12/20/2024	0.04	25.6	1.34	0.67	83
12/21/2024	0.04	28.2	1.19	0.68	88
12/22/2024	0.04	28.2	1.17	0.68	88
12/23/2024	0.04	28.2	1.16	0.68	90
12/24/2024	0.04	28.2	1.16	0.70	90
12/25/2024	0.04	26.9	1.17	0.70	88
12/26/2024	0.04	24.0	1.12	0.64	72
12/27/2024	0.04	24.0	1.30	0.65	72
12/28/2024	0.04	24.0	1.28	0.66	72
12/29/2024	0.04	24.1	1.26	0.66	72
12/30/2024	0.04	26.7	0.99	0.66	82
12/31/2024	0.04	30.1	0.98	0.67	94
Total		814.8			2,545
Average	0.04	26.3	1.12	0.70	

*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

December,2024

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	639	1.15	616	708	10.1	7.6	55	Y	7.2
2	2203	1.16	583	676	9.1	7.6	74	Y	7.6
3	1346	1.25	579	724	9.5	7.4	61	Y	7.7
4	215	1.20	586	703	9.2	7.6	74	Y	7.6
5	2001	1.07	578	619	8.8	7.6	74	Y	7.7
6	2351	1.16	558	647	8.7	7.6	74	Y	8.0
7	1455	0.99	500	495	8.0	7.8	72	Y	8.9
8	153	1.08	556	600	8.5	7.7	74	Y	8.0
9	1611	1.14	572	652	8.6	7.6	74	Y	7.8
10	345	1.25	591	739	8.7	7.5	62	Y	7.5
11	302	1.22	608	742	8.0	7.6	76	Y	7.3
12	1237	1.20	590	708	8.5	7.5	61	Y	7.6
13	458	1.21	607	734	8.6	7.4	62	Y	7.3
14	2043	1.24	594	736	8.5	7.5	62	Y	7.5
15	1150	1.37	594	813	8.6	7.5	62	Y	7.5
16	219	1.32	524	691	8.6	7.5	62	Y	8.5
17	1423	1.31	524	686	8.7	7.6	76	Y	8.5
18	756	1.08	444	480	8.7	7.8	74	Y	10.0
19	1926	1.13	358	404	9.6	7.5	61	Y	12.5
20	1510	1.34	401	538	9.1	7.5	62	Y	11.1
21	2346	1.19	612	728	9.5	7.4	62	Y	7.3
22	1951	1.17	628	735	9.3	7.4	62	Y	7.1
23	2009	1.22	639	779	9.2	7.4	62	Y	7.0
24	1720	1.16	641	743	8.8	7.5	61	Y	7.0
25	10	1.25	391	489	9.1	7.4	62	Y	11.4
26	626	1.22	612	746	9.0	7.5	62	Y	7.3
27	1850	1.30	608	791	9.3	7.6	76	Y	7.3
28	1526	1.28	567	726	9.3	7.6	76	Y	7.9
29	1151	1.26	573	722	9.2	7.5	62	Y	7.8
30	645	1.27	615	781	9.2	7.6	76	Y	7.2
31	510	1.09	580	633	9.8	7.6	76	Y	7.7

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

OHA-Drinking Water Program- Surface Water Quality Form

County Marion

Salem Public Works

ID# OR4100731

WTP-A

Mo/Yr

December,2024

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	243	0.94	552	519	9.5	7.6	72	Y	17.9
2	1646	1.15	550	633	9.1	7.6	74	Y	17.9
3	2222	0.80	548	439	9.0	7.6	70	Y	18.0
4	2258	1.07	549	588	8.5	7.6	74	Y	18.0
5	1617	1.02	548	559	8.5	7.5	61	Y	18.0
6	2328	1.03	565	582	8.2	7.6	74	Y	17.5
7	936	0.98	550	539	6.3	7.8	72	Y	17.9
8	24	1.17	548	641	7.9	7.6	74	Y	18.0
9	1127	1.15	450	517	8.1	7.6	74	Y	22.0
10	2059	1.11	452	502	8.4	7.4	61	Y	21.8
11	3	1.24	454	563	8.5	7.6	76	Y	21.7
12	622	1.12	452	507	7.9	7.4	61	Y	21.8
13	2215	1.11	457	507	8.1	7.4	61	Y	21.6
14	751	1.12	459	514	8.1	7.7	74	Y	21.5
15	1037	1.31	346	454	8.4	7.6	76	Y	28.5
16	1710	1.35	533	720	8.4	7.6	76	Y	18.5
17	2344	1.01	498	503	8.4	7.6	74	Y	19.8
18	159	0.97	432	419	8.5	7.6	72	Y	22.9
19	1617	1.09	430	469	9.6	7.5	61	Y	22.9
20	1106	1.34	460	616	9.4	7.4	62	Y	21.5
21	1100	1.20	458	549	9.5	7.4	61	Y	21.6
22	104	1.17	455	532	9.1	7.4	61	Y	21.7
23	1415	1.16	460	533	9.2	7.4	61	Y	21.5
24	1141	1.16	459	532	8.8	7.4	61	Y	21.5
25	406	1.17	459	537	8.9	7.4	61	Y	21.5
26	253	1.12	568	636	7.0	7.6	74	Y	17.4
27	1316	1.41	575	811	9.6	7.6	77	Y	17.2
28	1006	1.39	575	800	9.6	7.6	76	Y	17.2
29	745	1.38	580	801	8.9	7.5	62	Y	17.0
30	2304	0.99	459	454	9.0	7.6	72	Y	21.5
31	7	0.98	387	379	8.7	7.7	72	Y	25.5

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



Chlorine/Turbidity/CT Summary Report

PWS ID#:	4100731	Sample Period:	December 2024
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:	1/8/2025
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: January 8, 2025