

PWS ID # 4100731

Sample Period: October 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
10/1/2024	0.04	29.3	1.08	0.71	86
10/2/2024	0.06	29.4	1.23	0.71	86
10/3/2024	0.04	29.4	1.18	0.70	86
10/4/2024	0.04	28.7	1.13	0.71	84
10/5/2024	0.04	28.8	1.12	0.70	84
10/6/2024	0.04	28.8	1.17	0.72	85
10/7/2024	0.04	26.9	1.17	0.72	81
10/8/2024	0.04	29.0	1.07	0.67	91
10/9/2024	0.04	27.4	1.09	0.70	89
10/10/2024	0.04	28.0	1.24	0.67	85
10/11/2024	0.04	26.9	1.10	0.70	81
10/12/2024	0.04	26.9	1.12	0.69	78
10/13/2024	0.04	26.9	1.14	0.68	78
10/14/2024	0.04	26.9	1.19	0.68	76
10/15/2024	0.05	26.8	1.18	0.68	79
10/16/2024	0.04	26.8	1.23	0.66	79
10/17/2024	0.04	26.7	1.30	0.63	79
10/18/2024	0.04	26.1	1.11	0.63	77
10/19/2024	0.04	22.9	1.11	0.62	65
10/20/2024	0.04	22.9	1.19	0.60	65
10/21/2024	0.04	22.9	1.16	0.60	59
10/22/2024	0.04	22.8	1.22	0.62	67
10/23/2024	0.04	22.8	1.04	0.65	67
10/24/2024	0.04	22.9	1.04	0.66	68
10/25/2024	0.04	23.1	1.11	0.66	68
10/26/2024	0.04	23.2	1.10	0.66	68
10/27/2024	0.04	23.2	1.18	0.67	68
10/28/2024	0.04	24.7	1.22	0.67	77
10/29/2024	0.05	25.9	1.20	0.69	80
10/30/2024	0.05	23.4	1.14	0.72	70
10/31/2024	0.04	23.7	1.17	0.67	71
Total		804.1			2,377
Average	0.04	25.9	1.15	0.67	

*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		October,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	247	1.08	493	533	15.7	7.6	37	Y	20.0	
2	1251	1.23	411	506	15.6	7.6	38	Y	24.0	
3	943	1.18	403	475	15.4	7.3	31	Y	24.5	
4	2257	1.18	403	475	15.2	7.5	31	Y	24.5	
5	339	1.21	425	515	14.7	7.5	47	Y	23.2	
6	1521	1.17	427	500	14.5	7.3	46	Y	23.1	
7	2024	1.17	426	499	14.8	7.6	55	Y	23.2	
8	341	1.07	380	406	14.9	7.6	55	Y	26.0	
9	6	1.09	387	422	15.0	7.5	31	Y	25.5	
10	247	1.24	411	510	14.9	7.5	47	Y	24.0	
11	2213	1.10	470	517	14.7	7.5	46	Y	21.0	
12	1600	1.12	466	522	14.6	7.6	55	Y	21.2	
13	1717	1.14	464	529	14.5	7.6	55	Y	21.3	
14	2254	1.29	465	600	14.7	7.6	57	Y	21.2	
15	2300	1.20	465	558	14.7	7.7	55	Y	21.2	
16	10	1.24	470	583	14.7	7.6	57	Y	21.0	
17	1639	1.30	468	609	14.8	7.6	57	Y	21.1	
18	2345	1.11	470	522	14.4	7.5	46	Y	21.0	
19	2318	1.11	471	523	14.3	7.5	46	Y	21.0	
20	1042	1.25	589	736	14.1	7.5	47	Y	16.8	
21	143	1.16	587	681	14.3	7.3	46	Y	16.8	
22	626	1.22	586	714	14.3	7.6	57	Y	16.9	
23	2023	1.04	584	608	13.9	7.6	55	Y	16.9	
24	2022	1.04	580	603	13.5	7.6	55	Y	17.0	
25	1433	1.14	581	663	13.1	7.7	55	Y	17.0	
26	329	1.15	580	668	13.0	7.6	55	Y	17.0	
27	345	1.24	580	720	13.0	7.6	57	Y	17.0	
28	328	1.28	580	743	13.5	7.6	57	Y	17.0	
29	2047	1.20	580	697	13.5	7.5	46	Y	17.0	
30	1914	1.14	564	643	13.2	7.6	55	Y	17.5	
31	558	1.21	563	681	12.7	7.5	47	Y	17.5	

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

Report Date: Nov 04, 2024

OHA-Drinking Water Program- Surface Water Quality Form							County	Marion		
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		October,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	1108	1.18	701	827	15.9	7.7	37	Y	6.4	
2	44	1.25	636	795	15.6	7.6	38	Y	7.0	
3	1844	1.18	685	808	15.7	7.4	31	Y	6.5	
4	2024	1.13	685	774	15.4	7.6	37	Y	6.5	
5	341	1.12	689	772	15.2	7.6	37	Y	6.5	
6	1521	1.17	699	818	15.1	7.6	37	Y	6.4	
7	1417	1.19	475	565	15.6	7.6	38	Y	9.4	
8	1223	1.25	636	795	15.5	7.6	38	Y	7.0	
9	2331	1.24	685	849	15.2	7.7	38	Y	6.5	
10	5	1.24	685	849	14.8	7.6	57	Y	6.5	
11	326	1.17	636	744	14.9	7.6	55	Y	7.0	
12	1532	1.16	654	758	15.0	7.7	37	Y	6.8	
13	1255	1.17	658	769	14.7	7.7	55	Y	6.8	
14	1411	1.19	666	793	14.7	7.6	55	Y	6.7	
15	1541	1.18	685	808	14.9	7.7	55	Y	6.5	
16	403	1.23	699	860	14.9	7.7	57	Y	6.4	
17	2247	1.30	685	890	14.8	7.6	57	Y	6.5	
18	2332	1.22	431	526	14.6	7.6	57	Y	10.3	
19	2335	1.22	709	865	14.5	7.6	55	Y	6.3	
20	1430	1.19	673	800	14.2	7.6	55	Y	6.6	
21	612	1.17	642	751	14.3	7.4	46	Y	6.9	
22	1615	1.22	662	807	14.4	7.7	54	Y	6.7	
23	2047	1.12	689	772	14.1	7.7	55	Y	6.5	
24	1105	1.07	642	686	13.8	7.7	55	Y	6.9	
25	1632	1.11	628	697	13.5	7.7	55	Y	7.1	
26	1659	1.10	618	680	13.3	7.7	55	Y	7.2	
27	1207	1.18	636	750	13.2	7.6	55	Y	7.0	
28	818	1.22	636	776	13.8	7.6	57	Y	7.0	
29	2321	1.20	636	763	13.8	7.5	46	Y	7.0	
30	2337	1.15	645	742	13.6	7.6	55	Y	6.9	
31	15	1.17	667	781	13.2	7.5	46	Y	6.7	

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

Report Date: Nov 04, 2024



Chlorine/Turbidity/CT Summary Report

PWS ID#:	4100731	Sample Period:	October 2024
System Name:	<i>Salem Public Works Department</i>	Laboratory Results:	<i>Willow Lake Lab</i>
Address:	1410 20th St SE, Bldg 2 Salem OR 97302	OHD-Certified Lab	OR100010
Contact Person:	Dwayne Barnes, Utility Operations Manager	Date Report Issued:	11/1/2024
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: November 8, 2024