

PWS ID # 4100731

Sample Period: July 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 Grab	Fluoride Feed Rate
Location:	Geren Island	Geren Island	Aldersgate**	Aldersgate** (Line 1)	Aldersgate** (Line 2)	Geren Island
Source ID:	WTP-A	WTP-A	EP-A	EP-A	EP-A	WTP-A
Unit	ntu	MGD	mg/L	mg/L	mg/L	GPD
7/1/2024	0.05	35.4	1.69	0.60	0.65	90
7/2/2024	0.06	34.5	1.84	0.60	0.64	89
7/3/2024	0.06	33.8	1.77	0.61	0.65	88
7/4/2024	0.07	35.3	1.68	0.61	0.67	92
7/5/2024	0.09	35.4	1.61	0.61	0.67	92
7/6/2024	0.08	38.8	1.62	0.61	0.67	110
7/7/2024	0.05	45.7	1.58	0.64	0.70	125
7/8/2024	0.08	45.1	1.75	0.66	0.72	124
7/9/2024	0.08	44.6	1.68	0.66	0.71	121
7/10/2024	0.07	46.0	2.00	0.65	0.70	126
7/11/2024	0.13	43.6	1.79	0.64	0.69	120
7/12/2024	0.13	40.5	1.85	0.62	0.67	106
7/13/2024	0.07	40.6	1.84	0.60	0.66	106
7/14/2024	0.06	40.4	1.86	0.61	0.66	106
7/15/2024	0.06	40.7	1.89	0.60	0.64	106
7/16/2024	0.05	40.7	1.83	0.62	0.66	106
7/17/2024	0.05	40.4	1.67	0.61	0.66	105
7/18/2024	0.06	40.5	1.65	0.62	0.68	105
7/19/2024	0.06	34.5	1.68	0.60	0.66	86
7/20/2024	0.06	39.6	1.14	0.59	0.64	109
7/21/2024	0.05	41.6	1.88	0.64	0.70	108
7/22/2024	0.05	39.5	1.94	0.64	0.69	108
7/23/2024	0.10	37.9	1.82	0.66	0.71	106
7/24/2024	0.06	38.5	1.67	0.61	0.69	111
7/25/2024	0.06	42.7	1.90	0.65	0.69	119
7/26/2024	0.07	41.4	1.90	0.64	0.68	116
7/27/2024	0.05	38.4	1.90	0.63	0.68	103
7/28/2024	0.05	38.0	1.95	0.63	0.68	104
7/29/2024	0.05	34.5	1.86	0.63	0.68	93
7/30/2024	0.07	35.2	1.95	0.60	0.65	91
7/31/2024	0.06	38.8	1.47	0.61	0.67	100
Total		1,222.4				3,271
Average	0.07	39.4	1.77	0.62	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		July,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	1505	1.69	742	1,254	17.8	7.6	40	Y	6.0	
2	1851	1.84	437	804	17.9	7.7	41	Y	10.2	
3	1129	1.77	405	716	18.2	7.7	40	Y	11.0	
4	2001	1.68	597	1,003	18.4	7.7	40	Y	7.5	
5	1844	1.61	557	896	18.6	7.6	40	Y	8.0	
6	1642	1.62	495	801	18.9	7.6	40	Y	9.0	
7	1512	1.58	445	703	19.3	7.6	39	Y	10.0	
8	1753	1.75	451	789	19.5	7.6	40	Y	9.9	
9	1356	1.68	456	766	19.7	7.7	40	Y	9.8	
10	1630	2.00	593	1,186	19.8	7.7	41	Y	7.5	
11	1427	1.79	369	660	19.8	7.6	41	Y	12.1	
12	22	1.87	638	1,193	19.8	7.6	41	Y	7.0	
13	141	1.89	384	726	19.8	7.6	41	Y	11.6	
14	651	1.98	619	1,226	19.9	7.6	41	Y	7.2	
15	1113	1.90	875	1,662	20.1	7.6	30	Y	5.1	
16	1852	1.83	557	1,018	20.1	7.6	30	Y	8.0	
17	1852	1.67	594	991	19.9	7.6	40	Y	7.5	
18	950	1.65	557	918	19.9	7.6	40	Y	8.0	
19	39	1.68	278	467	19.9	7.6	40	Y	16.0	
20	1444	1.14	223	254	20.3	7.6	28	Y	20.0	
21	0	2.09	370	774	20.2	7.6	31	Y	12.0	
22	938	2.41	170	410	20.1	7.6	32	Y	26.2	
23	930	1.87	267	499	19.8	7.6	41	Y	16.7	
24	917	1.71	240	410	19.6	7.7	40	Y	18.6	
25	1123	1.90	544	1,034	19.6	7.6	41	Y	8.2	
26	18	1.96	345	675	19.7	7.7	41	Y	12.9	
27	1817	2.08	472	982	19.4	7.7	41	Y	9.4	
28	114	2.08	685	1,425	19.3	7.7	41	Y	6.5	
29	1611	1.94	359	697	19.1	7.7	41	Y	12.4	
30	1809	2.01	294	591	18.9	7.6	41	Y	15.1	
31	2222	1.84	450	828	18.7	7.6	41	Y	9.9	

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

Report Date: Aug 01, 2024

OHA-Drinking Water Program- Surface Water Quality Form							County	Marion		
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		July,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	813	1.90	329	625	18.5	7.5	33	Y	30.0	
2	2218	1.91	327	625	18.1	7.5	33	Y	30.2	
3	2215	1.80	340	612	19.0	7.4	33	Y	29.0	
4	1747	1.73	328	568	19.2	7.5	33	Y	30.0	
5	817	1.76	318	560	19.4	7.5	33	Y	31.0	
6	906	1.82	256	466	19.8	7.4	33	Y	38.5	
7	729	1.77	247	437	20.4	7.4	25	Y	40.0	
8	2145	1.84	237	437	20.5	7.5	25	Y	41.6	
9	457	1.88	239	450	20.8	7.6	30	Y	41.2	
10	1732	2.00	236	472	20.7	7.5	25	Y	41.8	
11	2006	1.90	242	460	20.6	7.5	25	Y	40.7	
12	1908	1.85	276	510	20.3	7.5	25	Y	35.8	
13	1921	1.84	273	503	20.6	7.5	25	Y	36.1	
14	1034	1.86	280	520	20.8	7.6	30	Y	35.3	
15	21	1.89	291	549	21.1	7.6	30	Y	34.0	
16	1815	1.94	274	532	21.0	7.5	25	Y	36.0	
17	1958	1.79	274	491	20.5	7.5	25	Y	36.0	
18	2217	1.77	274	485	20.4	7.5	25	Y	36.0	
19	2320	1.81	370	670	20.4	7.5	25	Y	26.7	
20	258	1.71	256	437	21.4	7.7	30	Y	38.6	
21	2156	1.88	254	477	20.7	7.4	25	Y	38.9	
22	1727	1.94	272	528	20.5	7.4	25	Y	36.3	
23	1935	1.82	277	503	20.0	7.5	25	Y	35.7	
24	302	1.67	265	443	20.0	7.5	25	Y	37.2	
25	1509	1.98	253	501	20.0	7.5	25	Y	39.0	
26	1037	1.90	254	483	19.8	7.6	41	Y	38.8	
27	1735	1.90	283	538	19.7	7.5	33	Y	34.9	
28	1829	1.95	286	557	19.5	7.6	41	Y	34.6	
29	21	1.86	311	578	19.3	7.5	33	Y	31.8	
30	1206	1.95	297	580	19.0	7.5	33	Y	33.2	
31	2045	1.47	286	420	18.7	7.3	32	Y	34.6	

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

Report Date: Aug 01, 2024



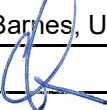
Chlorine/Turbidity/CT Summary Report

PWS ID#:	4100731	Sample Period:	July 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:	8/1/2024
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: August 1, 2024