

PWS ID # 4100731

Sample Period August 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
8/1/2024	0.05	39.4	1.49	0.63	0.67	107
8/2/2024	0.06	39.5	1.81	0.63	0.67	108
8/3/2024	0.05	39.7	2.01	0.63	0.68	109
8/4/2024	0.06	38.3	1.90	0.65	0.66	104
8/5/2024	0.06	38.7	1.96	0.63	0.67	101
8/6/2024	0.06	38.7	1.96	0.65	0.68	107
8/7/2024	0.05	38.5	2.26	0.64	0.69	106
8/8/2024	0.10	38.7	1.74	0.62	0.68	107
8/9/2024	0.05	38.8	1.82	0.63	0.68	107
8/10/2024	0.10	38.9	1.77	0.64	0.68	107
8/11/2024	0.05	36.1	1.87	0.63	0.67	99
8/12/2024	0.05	36.1	1.86	0.62	0.67	102
8/13/2024	0.05	39.4	1.83	0.65	0.68	110
8/14/2024	0.08	36.4	1.87	0.72	0.75	101
8/15/2024	0.05	36.0	1.86	0.75	0.71	100
8/16/2024	0.05	35.5	1.97	0.72	0.75	98
8/17/2024	0.05	35.4	1.86	0.70	0.72	98
8/18/2024	0.05	30.2	1.86	0.70	0.73	88
8/19/2024	0.05	25.9	1.80	0.65	0.68	66
8/20/2024	0.05	30.9	1.75	0.70	0.64	89
8/21/2024	0.05	32.8	2.06	0.56	0.71	90
8/22/2024	0.05	34.3	1.99	0.68	0.70	98
8/23/2024	0.05	31.8	2.12	0.68	0.71	88
8/24/2024	0.05	31.5	2.04	0.68	0.68	87
8/25/2024	0.05	29.8	1.94	0.65	0.68	82
8/26/2024	0.05	28.8	1.79	0.70	0.68	84
8/27/2024	0.05	31.1	1.74	0.63	0.65	83
8/28/2024	0.05	32.9	1.90	0.62	0.66	86
8/29/2024	0.05	34.1	1.95	0.63	0.67	94
8/30/2024	0.05	35.8	1.95	0.65	0.65	99
8/31/2024	0.05	36.1	1.98	0.65	0.65	100
Total		1,089.7				3,005
Average	0.06	35.2	1.89	0.65	0.68	

*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	August,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	8	1.88	598	1,125	19.4	7.8	41	Y	7.4	
2	1402	2.07	594	1,230	19.7	7.7	41	Y	7.5	
3	1541	2.05	742	1,521	19.9	7.7	41	Y	6.0	
4	1835	1.97	556	1,095	19.8	7.6	41	Y	8.0	
5	1810	2.04	685	1,397	19.8	7.5	34	Y	6.5	
6	158	1.96	685	1,342	19.9	7.6	41	Y	6.5	
7	908	2.26	600	1,356	19.9	7.6	41	Y	7.4	
8	1116	1.81	566	1,024	19.9	7.6	41	Y	7.9	
9	1522	1.86	630	1,171	20.0	7.6	30	Y	7.1	
10	1711	1.77	622	1,101	20.0	7.7	30	Y	7.2	
11	314	1.87	587	1,097	20.0	7.7	30	Y	7.6	
12	1436	1.89	660	1,247	19.9	7.7	41	Y	6.8	
13	1450	1.83	646	1,182	19.8	7.7	41	Y	6.9	
14	1343	1.88	636	1,196	19.4	7.7	41	Y	7.0	
15	850	1.87	636	1,189	18.9	7.7	41	Y	7.0	
16	1144	1.97	594	1,169	18.8	7.7	41	Y	7.5	
17	620	1.97	795	1,566	18.8	7.7	41	Y	5.6	
18	1848	1.86	655	1,218	18.9	7.6	41	Y	6.8	
19	1030	1.80	685	1,233	18.8	7.6	40	Y	6.5	
20	1012	1.75	742	1,299	18.9	7.7	40	Y	6.0	
21	352	2.06	655	1,349	18.9	7.6	41	Y	6.8	
22	1104	1.99	687	1,367	18.7	7.6	41	Y	6.5	
23	1042	2.12	685	1,452	18.4	7.5	33	Y	6.5	
24	1	2.07	404	837	18.1	7.5	34	Y	11.0	
25	1435	1.99	248	493	18.1	7.6	41	Y	18.0	
26	413	2.10	244	513	17.9	7.6	41	Y	18.2	
27	1442	1.87	554	1,035	18.0	7.5	33	Y	8.0	
28	831	1.92	466	895	18.2	7.6	41	Y	9.6	
29	42	1.97	501	987	18.5	7.6	41	Y	8.9	
30	1859	1.95	592	1,154	18.7	7.7	41	Y	7.5	
31	1821	1.98	628	1,243	18.8	7.7	41	Y	7.1	

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

Report Date: Sep 05, 2024

OHA-Drinking Water Program- Surface Water Quality Form							County	Marion		
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		August,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	10	1.49	286	427	20.2	7.6	29	Y	34.5	
2	317	1.81	287	519	20.5	7.5	25	Y	34.4	
3	737	2.01	290	583	20.8	7.3	26	Y	34.0	
4	1259	1.90	287	545	20.3	7.3	25	Y	34.4	
5	1025	1.96	295	577	20.1	7.4	25	Y	33.5	
6	17599	1.98	290	575	20.4	7.5	25	Y	34.0	
7	907	2.41	291	700	20.2	7.5	27	Y	34.0	
8	2023	1.74	291	507	20.2	7.5	25	Y	33.9	
9	38	1.82	286	520	20.3	7.5	25	Y	34.5	
10	855	1.83	292	535	20.4	7.5	25	Y	33.8	
11	55	1.94	293	568	20.5	7.5	25	Y	33.7	
12	807	1.86	285	530	20.4	7.5	25	Y	34.7	
13	1915	1.88	280	526	20.0	7.5	25	Y	35.3	
14	2306	1.87	282	527	19.4	7.6	41	Y	35.0	
15	7	1.86	286	532	18.9	7.5	33	Y	34.5	
16	1325	2.04	324	660	18.9	7.5	34	Y	30.5	
17	1643	1.86	329	612	18.9	7.5	33	Y	30.0	
18	1932	1.87	329	615	19.0	7.5	33	Y	30.0	
19	919	1.87	329	615	19.1	7.6	41	Y	30.0	
20	601	1.81	318	576	19.2	7.6	41	Y	31.0	
21	925	2.12	319	675	18.8	7.6	41	Y	31.0	
22	807	2.16	324	699	18.7	7.5	34	Y	30.5	
23	713	2.14	326	697	18.3	7.5	34	Y	30.3	
24	1	2.04	348	709	17.8	7.5	34	Y	28.4	
25	2026	1.94	335	650	17.7	7.6	41	Y	29.5	
26	2233	1.79	331	592	17.8	7.6	40	Y	29.9	
27	722	1.74	356	620	18.2	7.5	33	Y	27.7	
28	1742	1.90	346	656	18.6	7.5	33	Y	28.6	
29	1422	1.95	325	634	18.8	7.6	41	Y	30.3	
30	1024	1.99	324	646	19.2	7.6	41	Y	30.4	
31	1007	2.02	319	644	19.3	7.5	34	Y	30.9	

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

Report Date: Sep 05, 2024



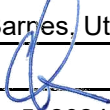
Chlorine/Turbidity/CT Summary Report

PWS ID#:	4100731	Sample Period:	August 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:	9/5/2024
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: September 5, 2024