

PWS ID # 4100731

Sample Period: December 2023

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
12/1/2023	0.04	23.1	1.34	0.56	59
12/2/2023	0.06	22.8	1.29	0.58	58
12/3/2023	0.04	18.3	1.18	0.55	44
12/4/2023	0.04	12.3	1.12	0.54	26
12/5/2023	0.08	19.2	1.25	0.46	46
12/6/2023	0.04	24.3	1.10	0.45	62
12/7/2023	0.06	26.1	1.17	0.56	68
12/8/2023	0.05	27.2	1.17	0.55	71
12/9/2023	0.11	27.3	1.14	0.55	71
12/10/2023	0.05	25.8	1.12	0.56	67
12/11/2023	0.05	25.2	1.18	0.54	64
12/12/2023	0.05	25.8	1.14	0.54	66
12/13/2023	0.05	23.5	1.17	0.57	59
12/14/2023	0.09	24.7	0.98	0.59	62
12/15/2023	0.07	25.7	0.93	0.57	66
12/16/2023	0.06	25.4	1.15	0.58	65
12/17/2023	0.05	21.7	1.06	0.57	53
12/18/2023	0.05	19.6	1.05	0.57	48
12/19/2023	0.05	23.2	1.07	0.57	46
12/20/2023	0.05	25.0	1.15	<0.20	65
12/21/2023	0.05	25.2	1.16	0.59	65
12/22/2023	0.05	25.2	1.20	0.61	65
12/23/2023	0.05	25.3	1.02	0.59	65
12/24/2023	0.04	25.1	1.15	0.59	65
12/25/2023	0.04	24.3	1.16	0.59	63
12/26/2023	0.07	23.0	0.83	0.60	59
12/27/2023	0.07	22.5	1.06	0.61	56
12/28/2023	0.06	23.0	1.30	0.62	57
12/29/2023	0.05	24.3	1.32	0.61	62
12/30/2023	0.05	24.9	1.25	0.62	64
12/31/2023	0.05	24.9	1.25	0.63	64
Total		733.8			1,851
Average	0.06	23.7	1.14	0.56	

*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,2023			
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	1031	1.34	855	1,146	9.5	7.6	76	Y	10.0	
2	1448	1.34	852	1,142	9.5	7.6	76	Y	10.0	
3	1439	1.18	473	559	9.7	7.6	74	Y	18.0	
4	847	1.16	1,136	1,318	10.2	7.6	55	Y	7.5	
5	317	1.25	438	548	10.3	7.5	47	Y	19.4	
6	1603	1.24	1,231	1,527	10.5	7.4	47	Y	6.9	
7	1313	1.17	516	604	11.0	7.5	46	Y	16.5	
8	108	1.17	580	679	10.6	7.4	46	Y	14.7	
9	3	1.15	571	657	10.2	7.5	46	Y	14.9	
10	832	1.12	519	581	10.3	7.4	46	Y	16.4	
11	1815	1.23	564	694	10.0	7.4	47	Y	15.1	
12	1040	1.22	563	687	10.2	7.4	47	Y	15.1	
13	313	1.24	524	649	10.2	7.5	47	Y	16.3	
14	1	1.30	519	675	10.0	7.4	47	Y	16.4	
15	322	1.25	573	716	9.6	7.6	76	Y	14.9	
16	1637	1.33	579	770	9.8	7.6	76	Y	14.7	
17	2349	1.30	585	761	9.6	7.6	76	Y	14.6	
18	2355	1.25	1,725	2,156	8.7	7.6	76	Y	4.9	
19	805	1.22	977	1,192	10.0	7.7	57	Y	8.7	
20	13	1.24	927	1,150	9.1	7.3	62	Y	9.2	
21	1212	1.23	912	1,122	9.2	7.6	74	Y	9.3	
22	1227	1.27	916	1,163	9.2	7.7	76	Y	9.3	
23	1352	1.27	900	1,143	9.1	7.8	76	Y	9.5	
24	1101	1.23	974	1,198	9.1	7.6	76	Y	8.8	
25	147	1.34	816	1,094	8.7	7.7	76	Y	10.4	
26	1302	1.25	763	954	8.8	7.6	76	Y	11.2	
27	1106	1.06	897	951	8.8	7.8	74	Y	9.5	
28	8	1.30	811	1,055	9.1	7.6	76	Y	10.5	
29	808	1.32	790	1,042	9.1	7.5	62	Y	10.8	
30	909	1.25	947	1,183	9.2	7.5	62	Y	9.0	
31	411	1.25	903	1,129	9.1	7.4	62	Y	9.4	

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

Report Date: Jan 05, 2024

OHA-Drinking Water Program- Surface Water Quality Form

County Marion

Salem Public Works

ID# OR4100731

WTP-A

Mo/Yr

December,2023

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	112	1.37	422	578	8.7	7.6	76	Y	13.7
2	1950	1.29	430	554	9.5	7.5	62	Y	13.5
3	1131	1.18	430	507	9.9	7.5	61	Y	13.5
4	753	1.12	1,055	1,181	10.5	7.6	55	Y	5.5
5	916	1.26	319	402	11.1	7.5	47	Y	18.2
6	2159	1.10	317	349	10.7	7.4	46	Y	18.3
7	513	1.26	317	400	11.0	7.5	47	Y	18.3
8	1610	1.26	437	551	11.0	7.4	47	Y	13.3
9	2104	1.14	437	499	9.9	7.5	61	Y	13.3
10	842	1.13	523	590	9.5	7.5	61	Y	11.1
11	45	1.18	499	589	9.6	7.5	61	Y	11.6
12	208	1.14	463	528	9.8	7.5	61	Y	12.5
13	2325	1.17	487	569	9.8	7.6	74	Y	11.9
14	2351	0.98	505	495	10.2	7.4	45	Y	11.5
15	18	0.93	501	466	9.7	7.6	72	Y	11.6
16	400	1.15	505	581	9.8	7.6	74	Y	11.5
17	1709	1.06	366	388	9.7	7.5	61	Y	15.9
18	1	1.05	350	367	8.8	7.6	74	Y	16.6
19	152	1.07	352	376	10.0	7.7	55	Y	16.5
20	109	1.15	350	403	8.9	7.5	61	Y	16.6
21	20	1.16	349	405	9.1	7.5	61	Y	16.6
22	17	1.20	350	421	8.9	7.6	74	Y	16.6
23	2222	1.02	354	361	9.0	7.7	74	Y	16.4
24	2321	1.15	357	410	8.3	7.6	74	Y	16.3
25	20	1.16	356	413	8.3	7.6	74	Y	16.3
26	2346	0.83	425	353	8.5	7.6	72	Y	13.7
27	44	1.12	414	464	8.7	7.7	74	Y	14.0
28	2006	1.31	400	524	9.0	7.5	62	Y	14.5
29	144	1.35	361	487	9.1	7.4	62	Y	16.1
30	1635	1.31	363	475	9.1	7.4	62	Y	16.0
31	213	1.37	361	494	8.9	7.4	62	Y	16.1

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



Chlorine/Turbidity/CT Summary Report

PWS ID#:	4100731	Sample Period:	December 2023
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:	1/5/2024
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: January 5, 2024