

PWS ID # 4100731

Sample Period: August 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
8/1/2023	0.05	39.8	1.00	0.65	106
8/2/2023	0.05	39.7	1.02	0.66	106
8/3/2023	0.05	39.7	1.09	0.66	106
8/4/2023	0.05	39.7	1.05	0.66	106
8/5/2023	0.05	39.4	1.10	0.66	105
8/6/2023	0.05	36.3	1.07	0.65	95
8/7/2023	0.05	35.8	1.14	0.62	91
8/8/2023	0.05	37.4	1.12	0.64	97
8/9/2023	0.05	39.0	1.13	0.63	103
8/10/2023	0.06	40.1	1.20	0.65	107
8/11/2023	0.05	40.3	1.15	0.66	108
8/12/2023	0.05	40.3	1.11	0.67	108
8/13/2023	0.05	40.3	1.18	0.66	107
8/14/2023	0.05	40.9	1.07	0.65	109
8/15/2023	0.05	39.5	1.04	0.68	107
8/16/2023	0.05	41.0	1.03	0.64	110
8/17/2023	0.05	41.4	1.08	0.65	110
8/18/2023	0.05	41.6	1.12	0.65	112
8/19/2023	0.05	40.9	1.17	0.67	110
8/20/2023	0.05	41.0	1.05	0.67	109
8/21/2023	0.05	40.9	1.06	0.67	109
8/22/2023	0.05	40.1	1.09	0.67	106
8/23/2023	0.05	38.9	1.04	0.62	101
8/24/2023	0.05	38.9	1.07	0.62	100
8/25/2023	0.05	39.1	1.04	0.61	101
8/26/2023	0.06	39.1	0.97	0.63	101
8/27/2023	0.05	39.0	1.00	0.64	100
8/28/2023	0.05	38.8	0.99	0.62	97
8/29/2023	0.05	36.6	1.00	0.62	91
8/30/2023	0.05	33.7	1.08	0.62	83
8/31/2023	0.05	31.9	1.07	0.61	78
Total		1,210.7			3,179
Average	0.05	39.1	1.1	0.65	

*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,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	1406	1.00	304	304	18.9	7.5	30	Y	28.0	
2	250	1.02	348	355	18.8	7.7	36	Y	24.5	
3	1040	1.09	348	379	18.8	7.6	37	Y	24.5	
4	1816	1.05	341	358	18.8	7.1	31	Y	25.0	
5	910	1.10	353	388	18.7	7.6	37	Y	24.2	
6	1818	1.07	290	310	18.2	7.5	31	Y	29.4	
7	1822	1.14	313	357	18.2	7.5	31	Y	27.2	
8	1925	1.12	348	389	18.4	7.5	31	Y	24.5	
9	1422	1.13	316	357	18.4	7.6	37	Y	27.0	
10	555	1.20	343	412	18.3	7.5	31	Y	24.8	
11	1318	1.15	336	386	18.7	7.6	37	Y	25.4	
12	1247	1.11	348	386	18.7	7.5	31	Y	24.5	
13	18	1.18	348	410	18.2	7.5	31	Y	24.5	
14	1806	1.07	334	357	18.4	7.5	31	Y	25.5	
15	1852	1.04	341	354	18.7	7.5	31	Y	25.0	
16	1914	1.03	347	358	19.3	7.6	37	Y	24.5	
17	1217	1.08	341	368	18.4	7.6	37	Y	25.0	
18	832	1.12	338	378	18.3	7.6	37	Y	25.2	
19	1206	1.17	345	403	18.0	7.6	37	Y	24.7	
20	1719	1.05	347	365	17.6	7.6	37	Y	24.5	
21	1818	1.06	343	364	17.2	7.6	37	Y	24.8	
22	1531	1.09	327	357	17.1	7.6	37	Y	26.0	
23	1736	1.04	349	363	17.5	7.6	37	Y	24.4	
24	1112	1.07	306	327	16.8	7.7	37	Y	27.9	
25	1259	1.04	344	358	17.1	7.6	37	Y	24.8	
26	1902	0.97	355	344	17.3	7.6	36	Y	24.0	
27	19	1.00	355	355	17.4	7.7	37	Y	24.0	
28	2	0.99	355	351	17.4	7.6	37	Y	24.0	
29	2127	1.00	355	355	17.0	7.6	37	Y	24.0	
30	1453	1.08	348	376	16.6	7.6	37	Y	24.5	
31	959	1.07	348	372	16.5	7.4	31	Y	24.5	

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

Report Date: Sep 06, 2023

OHA-Drinking Water Program- Surface Water Quality Form							County	Marion		
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		August,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	941	1.07	414	443	19.1	7.6	37	Y	14.0	
2	1354	1.07	352	376	19.4	7.6	37	Y	16.5	
3	1154	1.07	352	376	19.4	7.5	31	Y	16.5	
4	59	1.09	352	383	19.4	7.5	31	Y	16.5	
5	1142	1.11	361	401	19.2	7.5	31	Y	16.1	
6	1517	1.05	361	379	18.6	7.5	31	Y	16.1	
7	626	1.08	424	458	18.7	7.5	31	Y	13.7	
8	1953	1.08	414	447	18.9	7.4	31	Y	14.0	
9	930	1.06	352	373	19.0	7.5	31	Y	16.5	
10	828	1.10	350	386	18.8	7.4	31	Y	16.6	
11	1235	1.17	359	420	19.9	7.5	31	Y	16.2	
12	1140	1.13	352	397	19.7	7.5	31	Y	16.5	
13	1116	1.13	352	397	18.9	7.5	31	Y	16.5	
14	1852	1.14	341	389	19.0	7.5	31	Y	17.0	
15	1947	1.10	331	365	18.7	7.5	31	Y	17.5	
16	1914	1.04	336	349	19.3	7.5	31	Y	17.3	
17	1203	1.08	325	351	19.1	7.5	31	Y	17.8	
18	530	1.07	324	347	19.0	7.5	31	Y	17.9	
19	1938	1.12	336	376	18.4	7.6	37	Y	17.3	
20	1347	1.07	340	364	18.0	7.5	31	Y	17.1	
21	1534	1.09	338	369	17.5	7.6	37	Y	17.2	
22	1301	1.13	341	385	17.5	7.6	37	Y	17.0	
23	1718	1.07	376	402	17.3	7.6	37	Y	15.4	
24	1742	1.14	377	430	17.2	7.6	37	Y	15.4	
25	1313	1.08	373	403	17.6	7.5	31	Y	15.6	
26	1641	0.96	387	371	18.0	7.6	36	Y	15.0	
27	27	0.98	387	379	17.6	7.6	36	Y	15.0	
28	30	0.98	387	379	18.0	7.6	36	Y	15.0	
29	2122	1.13	387	437	18.0	7.6	37	Y	15.0	
30	1755	1.13	579	654	17.1	7.6	37	Y	10.0	
31	1004	1.10	580	638	16.6	7.4	31	Y	10.0	

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

Report Date: Sep 06, 2023




Chlorine/Turbidity/CT Summary Report

PWS ID#:	4100731	Sample Period:	August 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:	9/6/2023
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 8, 2023