

PWS ID # 4100731

Sample Period: January 2022

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
1/1/2022	0.08	23.9	1.03	0.57	62
1/2/2022	0.08	23.6	1.33	0.59	61
1/3/2022	0.07	20.9	1.33	0.59	53
1/4/2022	0.09	27.4	1.43	0.57	72
1/5/2022	0.10	25.4	1.49	0.60	67
1/6/2022	0.11	19.4	1.43	0.61	48
1/7/2022	0.11	19.9	1.42	0.55	49
1/8/2022	0.13	20.2	1.25	0.56	50
1/9/2022	0.14	21.2	1.42	0.56	53
1/10/2022	0.17	24.5	1.36	0.56	62
1/11/2022	0.13	26.1	1.51	0.56	69
1/12/2022	0.10	25.5	1.50	0.57	67
1/13/2022	0.07	24.1	1.56	0.59	63
1/14/2022	0.13	21.9	1.51	0.58	56
1/15/2022	0.14	20.6	1.43	0.55	51
1/16/2022	0.14	20.7	1.29	0.55	51
1/17/2022	0.14	20.8	1.30	0.54	52
1/18/2022	0.13	20.9	1.41	0.53	52
1/19/2022	0.13	23.1	1.41	0.53	59
1/20/2022	0.14	25.5	1.41	0.58	66
1/21/2022	0.16	26.0	1.41	0.57	68
1/22/2022	0.19	26.2	1.44	0.61	68
1/23/2022	0.09	26.6	1.50	0.61	69
1/24/2022	0.09	26.7	1.52	0.62	67
1/25/2022	0.09	26.5	1.47	0.60	69
1/26/2022	0.11	30.9	1.46	0.61	68
1/27/2022	0.09	28.1	1.39	0.61	69
1/28/2022	0.09	29.0	1.41	0.62	73
1/29/2022	0.09	26.9	1.47	0.60	71
1/30/2022	0.09	26.9	1.41	0.61	71
1/31/2022	0.09	26.9	1.39	0.62	71
Total		756.3			1,927
Average	0.11	24.4	1.4	0.58	

*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		January,2022		
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	2342	1.42	387	549	8.6	7.5	64	Y	15.0
2	342	1.41	387	545	6.3	7.6	77	Y	15.0
3	200	1.40	580	812	6.5	7.6	76	Y	10.0
4	1057	1.43	352	503	6.4	7.5	64	Y	16.5
5	2211	1.49	352	524	7.5	7.3	64	Y	16.5
6	1709	1.38	423	584	7.6	7.4	62	Y	13.7
7	2055	1.41	400	564	7.6	7.4	64	Y	14.5
8	1354	1.34	400	536	7.9	7.5	62	Y	14.5
9	1355	1.42	347	493	7.2	7.5	64	Y	16.7
10	43	1.61	347	559	7.6	7.3	65	Y	16.7
11	1414	1.53	352	538	6.8	7.5	64	Y	16.5
12	1342	1.54	352	541	7.0	7.5	64	Y	16.5
13	2239	1.66	400	664	7.3	7.6	79	Y	14.5
14	2356	1.43	400	572	7.3	7.4	64	Y	14.5
15	941	1.39	527	733	7.3	7.5	62	Y	11.0
16	2148	1.43	552	790	6.9	7.6	77	Y	10.5
17	255	1.38	552	762	6.7	7.5	62	Y	10.5
18	23	1.46	527	770	7.3	7.4	64	Y	11.0
19	651	1.51	374	565	7.6	7.5	64	Y	15.5
20	1526	1.59	352	559	7.1	7.6	77	Y	16.5
21	758	1.57	352	552	7.4	7.3	64	Y	16.5
22	2105	1.55	341	529	7.4	7.4	64	Y	17.0
23	1033	1.52	341	519	7.3	7.3	64	Y	17.0
24	1512	1.46	341	498	6.8	7.4	64	Y	17.0
25	1134	1.48	341	505	7.3	7.4	64	Y	17.0
26	2310	1.42	264	374	6.7	7.4	64	Y	22.0
27	2050	1.38	322	445	6.9	7.6	76	Y	18.0
28	44	1.44	322	464	6.6	7.6	77	Y	18.0
29	2348	1.46	322	470	6.3	7.5	64	Y	18.0
30	2306	1.38	328	452	5.4	7.7	76	Y	17.7
31	2215	1.35	326	440	6.0	7.7	76	Y	17.8

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

Report Date: Feb 03, 2022

OHA-Drinking Water Program- Surface Water Quality Form								County	Marion
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		January,2022		
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	223	1.03	811	836	8.1	7.5	61	Y	10.5
2	1438	1.33	775	1,030	6.8	7.6	76	Y	11.0
3	939	1.33	741	985	6.7	7.6	76	Y	11.5
4	954	1.43	380	544	6.9	7.6	77	Y	22.4
5	2312	1.49	441	658	7.2	7.4	64	Y	19.3
6	2351	1.43	1,235	1,766	7.6	7.3	64	Y	6.9
7	202	1.42	1,207	1,714	7.5	7.4	62	Y	7.1
8	1020	1.25	1,346	1,682	8.0	7.6	76	Y	6.3
9	48	1.42	1,020	1,449	7.3	7.6	76	Y	8.4
10	1452	1.36	798	1,086	7.6	7.5	62	Y	10.7
11	2308	1.51	852	1,286	7.3	7.5	64	Y	10.0
12	231	1.50	811	1,217	7.4	7.4	62	Y	10.5
13	1155	1.56	811	1,266	7.6	7.6	77	Y	10.5
14	1055	1.51	631	953	7.7	7.5	64	Y	13.5
15	933	1.43	852	1,218	7.7	7.5	64	Y	10.0
16	1410	1.29	811	1,047	7.4	7.6	76	Y	10.5
17	653	1.30	775	1,007	7.3	7.6	76	Y	11.0
18	1604	1.41	741	1,045	7.4	7.5	62	Y	11.5
19	128	1.41	550	775	7.6	7.6	76	Y	15.5
20	154	1.41	852	1,201	7.5	7.5	64	Y	10.0
21	1958	1.41	811	1,144	7.6	7.5	64	Y	10.5
22	1733	1.44	775	1,115	7.7	7.6	77	Y	11.0
23	2239	1.50	775	1,162	7.6	7.4	64	Y	11.0
24	1236	1.52	775	1,177	7.2	7.5	64	Y	11.0
25	2345	1.47	775	1,139	7.4	7.5	64	Y	11.0
26	1711	1.46	532	777	7.1	7.5	64	Y	16.0
27	2247	1.39	284	395	7.1	7.6	76	Y	30.0
28	1356	1.41	299	421	6.8	7.7	77	Y	28.5
29	1418	1.47	304	447	6.6	7.6	77	Y	28.0
30	1705	1.41	304	429	7.8	7.7	76	Y	28.0
31	2321	1.39	304	423	6.4	7.7	76	Y	28.0

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

Report Date: Feb 03, 2022



Chlorine/Turbidity/CT Summary Report

PWS ID#: 4100731
System Name: Salem Public Works Department
Address: 1410 20th St SE, Bldg 2
Salem OR 97302
Contact Person: Dwayne Barnes, Utility Operations Manager
Contact Number: 503-588-6483
Source Water: North Santiam River
Treatment Type: Slow Sand Filtration
Sample Location: Aldersgate and Geren Island

Sample Period: January 2022
Laboratory Results: Willow Lake Lab
OHD-Certified Lab: OR100010
Date Report Issued: 2/3/2022
Contact Person: Paul Mitchell
Contact Number: 503-588-6380
Sampler: Treatment Operators
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: February 3, 2022