

OHA - Drinking Water Program - Turbidity Monitoring Report Form **Columbia County**

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

July

2021

DAY	DATE	12 AM (NTU) [AIT-4001]	4 AM (NTU) [AIT-4001]	8 AM (NTU) [AIT-4001]	12 PM (NTU) [AIT-4001]	4 PM (NTU) [AIT-4001]	8 PM (NTU) [AIT-4001]	Filter Effluent Max Turbidity (NTU) [AIT-4001]
1	07/01/21	no	0.018	0.018	0.018	no	0.018	0.018
2	07/02/21	0.018	no	0.019	0.018	0.019	0.019	0.019
3	07/03/21	0.019	0.018	no	0.019	0.020	0.019	0.020
4	07/04/21	0.018	0.018	no	0.019	0.019	0.019	0.020
5	07/05/21	0.019	no	0.019	0.018	0.019	0.019	0.021
6	07/06/21	0.019	0.019	no	0.019	no	0.019	0.019
7	07/07/21	0.019	no	0.019	0.019	0.019	no	0.020
8	07/08/21	no	0.018	0.019	0.019	0.020	no	0.021
9	07/09/21	no	0.019	0.019	0.020	0.020	no	0.021
10	07/10/21	0.020	no	0.019	0.019	0.021	0.020	0.021
11	07/11/21	0.019	no	0.019	0.019	0.020	0.020	0.020
12	07/12/21	0.020	no	no	0.020	0.020	0.020	0.021
13	07/13/21	0.020	no	0.019	0.020	0.021	0.021	0.021
14	07/14/21	no	0.019	0.020	0.020	0.020	no	0.020
15	07/15/21	0.020	no	0.020	0.020	0.021	0.020	0.021
16	07/16/21	0.020	0.020	no	0.020	0.020	0.019	0.020
17	07/17/21	0.020	no	0.020	0.019	0.020	0.019	0.020
18	07/18/21	0.020	no	0.021	0.020	0.021	0.020	0.021
19	07/19/21	0.020	0.020	no	0.020	0.021	0.021	0.021
20	07/20/21	0.020	0.020	no	0.020	0.021	0.021	0.021
21	07/21/21	no	no	0.020	0.020	no	0.020	0.054
22	07/22/21	0.019	0.020	0.022	no	0.021	0.020	0.027
23	07/23/21	0.020	no	0.020	0.020	no	no	0.020
24	07/24/21	no	no	0.021	0.021	0.021	0.021	0.021
25	07/25/21	no	no	no	no	no	no	0.022
26	07/26/21	no	no	no	no	no	no	0.021
27	07/27/21	no	no	0.021	0.021	0.021	no	0.021
28	07/28/21	no	no	no	no	0.033	0.033	0.033
29	07/29/21	0.033	0.033	0.033	no	0.041	0.041	0.041
30	07/30/21	0.041	0.041	0.041	0.041	0.041	0.041	0.041
31	07/31/21	no	no	no	no	no	no	0.021

Slow Sand/Membrane/DE Filtration/Unfiltered

Monthly Summary (Answer Yes or No)

95% of daily turbidity readings ≤ 1 NTU Yes / No

All turbidity readings < 5 NTU? Yes / No

CT's met everyday? (see back) Yes / No

All CL2 residual at entry point > 0.2 mg/l? Yes / No

Notes

Printed Name: Steve Wabschall

Signature: *Steve Wabschall*

Date: 8/02/2021

Phone #: (503) 397-1311

Opr. Cert. # 2265

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

July

Year:

2021

DAY	DATE	Time of Peak Flow	Minimum Chlorine Residual (mg/L) C [AIT-4705]	Contact Time T (min)	Actual Minimum C X T	Temp. (Deg. C) [TIT-4008]	pH [AIT-7042]	Required CT from tables (0.5-log)	CT Met? Yes/No	Peak Hourly Demand Flow (GPM)
1	07/01/21	14:59	0.63	115	72.8	13.8	7.1	22	Yes	2026
2	07/02/21	15:59	0.66	112	73.7	13.8	7.0	18	Yes	2079
3	07/03/21	13:59	0.65	115	74.2	13.8	7.0	18	Yes	2038
4	07/04/21	17:59	0.64	115	73.4	13.8	7.0	18	Yes	2040
5	07/05/21	13:59	0.65	116	75.3	13.8	6.9	18	Yes	2015
6	07/06/21	18:59	0.64	105	67.7	13.8	7.0	18	Yes	2220
7	07/07/21	9:59	0.60	116	69.7	13.8	7.0	18	Yes	2011
8	07/08/21	12:59	0.61	116	70.9	13.8	7.0	18	Yes	2016
9	07/09/21	8:59	0.63	117	73.8	13.8	7.0	18	Yes	2002
10	07/10/21	10:59	0.64	116	73.7	13.8	7.0	18	Yes	2019
11	07/11/21	9:59	0.63	114	71.6	13.8	7.0	18	Yes	2051
12	07/12/21	20:59	0.62	117	72.4	13.8	7.0	18	Yes	2000
13	07/13/21	10:59	0.60	115	68.4	13.8	6.9	18	Yes	2036
14	07/14/21	5:59	0.63	115	72.4	13.8	7.1	21	Yes	2025
15	07/15/21	13:59	0.71	106	75.1	13.9	7.0	18	Yes	2199
16	07/16/21	12:59	0.64	119	76.1	13.9	7.0	18	Yes	1963
17	07/17/21	10:59	0.61	119	72.5	13.9	7.0	18	Yes	1964
18	07/18/21	11:59	0.73	119	86.7	13.9	7.0	18	Yes	1961
19	07/19/21	14:59	0.70	118	82.9	13.9	6.9	18	Yes	1985
20	07/20/21	12:59	0.55	120	66.1	13.9	6.9	18	Yes	1945
21	07/21/21	8:59	0.71	120	84.9	13.9	6.9	18	Yes	1951
22	07/22/21	17:59	0.67	115	76.8	13.9	6.9	18	Yes	2036
23	07/23/21	11:59	0.66	119	78.8	13.9	6.9	18	Yes	1964
24	07/24/21	0:59	0.73	120	87.2	14.1	6.9	18	Yes	1945
25	07/25/21	0:59	0.72	120	86.7	14.1	6.9	18	Yes	1945
26	07/26/21	0:59	0.72	120	86.0	14.1	6.9	18	Yes	1945
27	07/27/21	0:59	0.71	120	85.6	14.1	6.9	18	Yes	1945
28	07/28/21	0:59	0.71	120	85.7	14.1	6.9	18	Yes	1945
29	07/29/21	0:59	0.71	120	85.3	14.1	6.9	18	Yes	1945
30	07/30/21	0:59	0.71	120	84.9	14.1	6.9	18	Yes	1945
31	07/31/21	0:59	0.71	120	84.8	14.1	6.9	18	Yes	1945

Notes:

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Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons ¹

¹ 25.2' Pause level multiplied by 17155 gal/foot