

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

March

2022

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	03/01/22	no	0.018	no	0.018	no	no	0.019
2	03/02/22	0.018	no	no	0.018	no	no	0.019
3	03/03/22	0.018	no	no	0.018	no	no	0.019
4	03/04/22	0.018	no	no	0.018	no	no	0.019
5	03/05/22	0.018	no	no	0.018	0.018	no	0.019
6	03/06/22	0.018	no	no	0.018	no	no	0.019
7	03/07/22	0.018	no	0.019	0.019	no	no	0.020
8	03/08/22	0.018	no	no	0.018	no	0.020	0.020
9	03/09/22	0.018	no	no	0.018	no	0.019	0.019
10	03/10/22	no	no	no	0.018	no	0.018	0.019
11	03/11/22	no	no	no	0.018	no	0.019	0.019
12	03/12/22	no	no	0.020	0.019	0.017	no	0.020
13	03/13/22	0.018	no	no	0.018	no	no	0.019
14	03/14/22	0.018	no	no	0.018	no	no	0.019
15	03/15/22	0.018	no	no	0.018	no	0.018	0.019
16	03/16/22	0.018	no	no	0.018	no	no	0.025
17	03/17/22	0.018	no	no	0.018	0.018	no	0.019
18	03/18/22	no	0.018	no	0.018	0.018	no	0.019
19	03/19/22	0.018	no	no	0.018	0.018	no	0.019
20	03/20/22	0.019	no	no	0.018	0.018	0.018	0.019
21	03/21/22	no	no	0.018	no	no	0.018	0.020
22	03/22/22	no	no	0.020	0.018	no	0.018	0.020
23	03/23/22	no	no	0.019	0.018	no	0.019	0.019
24	03/24/22	no	no	0.019	0.018	0.019	no	0.019
25	03/25/22	no	0.018	no	0.018	0.018	no	0.019
26	03/26/22	0.018	no	no	0.018	no	no	0.019
27	03/27/22	0.018	no	no	0.018	0.018	0.018	0.019
28	03/28/22	no	no	0.028	no	0.019	0.020	0.043
29	03/29/22	no	no	0.018	no	no	0.018	0.019
30	03/30/22	no	no	0.019	0.018	no	0.017	0.019
31	03/31/22	0.018	no	no	0.018	no	0.020	0.020

Slow Sand/Membrane/DE Filtration/Unfiltered	Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings ≤ 1 NTU? <b>Yes / No</b>	CT's met everyday? (see back) <b>Yes / No</b>	All CL2 residual at entry point > 0.2 mg/l? <b>Yes / No</b>
All turbidity readings < 5 NTU? <b>Yes / No</b>		
<b>Notes</b>	Printed Name: Steve Wabschall	
	Signature: <i>[Signature]</i> Date: 4/7/2022	
	Phone #: (503) 397-1311	Opr. Cert. # 2265

**OHA - Drinking Water Program - Surface Water Quality Data Form**

**St Helens Oregon**

**PWS#4100724 WFP - A**

Month:

**March**

Year:

**2022**

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	03/01/22	14:59	0.71	113	80.8	13.3	7.3	22	Yes	2070
2	03/02/22	12:59	0.68	113	76.8	13.0	7.3	22	Yes	2074
3	03/03/22	12:59	0.64	111	70.9	12.9	7.3	22	Yes	2114
4	03/04/22	15:59	0.63	113	70.8	12.8	7.3	22	Yes	2072
5	03/05/22	12:59	0.61	110	67.4	12.9	7.3	22	Yes	2121
6	03/06/22	14:59	0.67	112	74.9	12.8	7.3	22	Yes	2090
7	03/07/22	11:59	0.70	112	77.7	12.8	7.3	22	Yes	2093
8	03/08/22	12:59	0.72	112	80.0	12.8	7.3	22	Yes	2092
9	03/09/22	0:59	0.78	114	88.8	12.9	7.3	22	Yes	2056
10	03/10/22	20:59	0.73	113	82.8	12.9	7.2	22	Yes	2071
11	03/11/22	11:59	0.72	113	81.0	12.8	7.3	22	Yes	2073
12	03/12/22	16:59	0.70	68	47.3	12.4	7.2	22	Yes	3461
13	03/13/22	16:59	0.71	115	81.7	12.9	7.2	22	Yes	2041
14	03/14/22	12:59	0.71	114	80.6	13.1	7.2	22	Yes	2050
15	03/15/22	13:59	0.72	114	82.7	13.0	7.2	22	Yes	2047
16	03/16/22	13:59	0.79	113	89.1	13.1	7.3	22	Yes	2063
17	03/17/22	2:59	0.80	114	91.3	12.9	7.3	22	Yes	2053
18	03/18/22	3:59	0.80	113	90.5	13.0	7.3	22	Yes	2073
19	03/19/22	15:59	0.78	114	88.7	13.0	7.3	22	Yes	2060
20	03/20/22	3:59	0.79	113	89.6	12.9	7.2	22	Yes	2063
21	03/21/22	10:59	0.80	112	89.5	12.9	7.3	22	Yes	2079
22	03/22/22	14:59	0.77	113	87.8	13.0	7.3	22	Yes	2061
23	03/23/22	12:59	0.79	113	89.1	13.0	7.3	22	Yes	2069
24	03/24/22	13:59	0.77	114	88.3	13.0	7.3	22	Yes	2052
25	03/25/22	15:59	0.79	113	89.2	13.1	7.3	22	Yes	2064
26	03/26/22	12:59	0.79	114	90.0	13.1	7.2	22	Yes	2053
27	03/27/22	16:59	0.79	114	89.9	13.1	7.2	22	Yes	2052
28	03/28/22	18:59	0.79	114	90.2	13.1	7.3	22	Yes	2045
29	03/29/22	20:59	0.78	114	89.1	13.1	7.2	22	Yes	2059
30	03/30/22	13:59	0.77	113	87.8	13.1	7.3	22	Yes	2062
31	03/31/22	22:59	0.79	114	90.2	13.1	7.3	22	Yes	2046

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