

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

February

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

Slow Sand/Membrane/DE Filtration/Unfiltered	Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings ≤ 1 NTU? Yes/No	CT's met everyday? (see back) Yes/No	All CL2 residual at entry point > 0.2 mg/l? Yes/No
All turbidity readings < 5 NTU? Yes/No		
Notes	Printed Name: Steve Wabschall	
	Signature: <i>Steve Wabschall</i>	Date: 3/8/2022
	Phone #: (503) 397-1311	Opr. Cert. # 2265

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

February

Year:

2022

DAY	DATE	Time of Peak Flow	Minimum Chlorine Residual (mg/L) C [AIT-4705]	Contact Time T (min)	Actual Minimum CXT	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	02/01/22	12:59	0.75	95	71.1	13.4	7.2	22	Yes	2450
2	02/02/22	9:59	0.75	83	62.0	13.4	7.2	22	Yes	2817
3	02/03/22	9:59	0.75	96	71.9	13.1	7.2	22	Yes	2433
4	02/04/22	10:59	0.75	113	85.2	13.0	7.2	22	Yes	2062
5	02/05/22	13:59	0.75	112	84.0	13.1	7.3	22	Yes	2087
6	02/06/22	4:59	0.77	113	87.0	13.0	7.2	22	Yes	2071
7	02/07/22	3:59	0.77	114	88.6	13.1	7.2	22	Yes	2043
8	02/08/22	15:59	0.77	115	87.7	13.1	7.2	22	Yes	2042
9	02/09/22	15:59	0.77	114	87.2	13.2	7.2	22	Yes	2053
10	02/10/22	1:59	0.76	115	87.2	13.2	7.2	22	Yes	2039
11	02/11/22	13:59	0.77	114	87.9	13.2	7.2	22	Yes	2043
12	02/12/22	16:59	0.78	115	89.7	13.2	7.2	22	Yes	2034
13	02/13/22	13:59	0.78	114	88.8	13.2	7.2	22	Yes	2043
14	02/14/22	4:59	0.77	115	88.1	13.2	7.2	22	Yes	2036
15	02/15/22	1:59	0.76	114	86.5	13.2	7.2	22	Yes	2048
16	02/16/22	13:59	0.75	113	85.1	13.2	7.3	22	Yes	2073
17	02/17/22	12:59	0.76	114	86.5	13.2	7.2	22	Yes	2057
18	02/18/22	14:59	0.74	114	84.8	13.2	7.2	22	Yes	2054
19	02/19/22	23:59	0.75	113	85.2	13.2	7.3	22	Yes	2067
20	02/20/22	12:59	0.73	114	83.5	13.2	7.2	22	Yes	2058
21	02/21/22	5:59	0.76	114	85.9	13.1	7.3	22	Yes	2059
22	02/22/22	16:59	0.72	114	82.7	13.2	7.2	22	Yes	2049
23	02/23/22	4:59	0.71	115	81.3	13.0	7.3	22	Yes	2035
24	02/24/22	23:59	0.72	114	82.7	13.1	7.3	22	Yes	2046
25	02/25/22	12:59	0.72	115	82.1	13.1	7.3	22	Yes	2040
26	02/26/22	13:59	0.73	115	84.1	13.1	7.3	22	Yes	2035
27	02/27/22	12:59	0.73	115	83.5	13.2	7.2	22	Yes	2034
28	02/28/22	0:59	0.73	114	83.3	13.2	7.2	22	Yes	2050

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot