

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

February

2023

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	02/01/23	no	no	0.020	no	no	0.019	0.020
2	02/02/23	no	0.020	no	0.020	no	no	0.020
3	02/03/23	no	no	no	0.019	no	0.018	0.019
4	02/04/23	no	no	0.020	no	0.019	no	0.020
5	02/05/23	0.019	no	no	0.017	no	no	0.019
6	02/06/23	no	no	0.019	0.018	no	0.018	0.019
7	02/07/23	no	no	0.018	no	0.019	no	0.019
8	02/08/23	no	no	no	0.018	no	0.019	0.019
9	02/09/23	no	no	0.019	no	0.020	no	0.020
10	02/10/23	no	no	no	no	0.019	no	0.019
11	02/11/23	0.019	no	no	0.019	no	no	0.019
12	02/12/23	no	no	no	0.019	no	no	0.019
13	02/13/23	no	no	no	no	no	0.019	0.019
14	02/14/23	no	no	no	no	0.019	no	0.019
15	02/15/23	no	0.019	no	no	0.020	no	0.020
16	02/16/23	0.021	no	no	no	no	0.019	0.021
17	02/17/23	no	0.018	no	no	no	no	0.018
18	02/18/23	0.019	no	no	0.018	no	no	0.019
19	02/19/23	no	no	no	0.025	no	0.017	0.025
20	02/20/23	no	0.019	no	no	no	no	0.019
21	02/21/23	no	no	no	0.018	no	0.084	0.084
22	02/22/23	no	no	no	0.018	no	no	0.018
23	02/23/23	0.019	no	no	0.018	no	0.018	0.019
24	02/24/23	no	no	0.102	0.019	no	0.018	0.102
25	02/25/23	no	no	0.018	no	0.018	no	0.018
26	02/26/23	0.018	no	no	0.019	no	0.119	0.019
27	02/27/23	no	no	0.021	no	no	0.019	0.021
28	02/28/23	no	no	0.018	no	no	0.018	0.018

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>[Signature]</i>	Date: 3/7/2023
	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:

2023

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-4713]	Required CT from tables (0.5-log)	CT Met? Yes/No	Peak Hourly Demand Flow (GPM)
1	02/01/23	19:59	0.65	86	55.8	12.7	7.5	22	Yes	2726
2	02/02/23	14:59	0.67	85	57.1	12.7	7.5	22	Yes	2741
3	02/03/23	12:59	0.65	86	56.2	12.7	7.5	22	Yes	2714
4	02/04/23	11:59	0.65	86	55.4	12.7	7.7	26	Yes	2730
5	02/05/23	2:59	0.66	85	56.1	12.7	7.6	26	Yes	2743
6	02/06/23	21:59	0.65	85	55.7	12.6	7.4	22	Yes	2743
7	02/07/23	18:59	0.65	83	53.9	12.6	7.5	22	Yes	2803
8	02/08/23	13:59	0.67	86	57.1	12.7	7.5	22	Yes	2725
9	02/09/23	9:59	0.66	84	55.5	12.6	7.5	22	Yes	2789
10	02/10/23	8:59	0.66	86	56.4	12.7	7.5	22	Yes	2729
11	02/11/23	1:59	0.66	86	57.4	12.7	7.5	22	Yes	2708
12	02/12/23	23:59	0.66	85	55.9	12.5	7.5	22	Yes	2743
13	02/13/23	21:59	0.66	86	56.5	12.6	7.4	22	Yes	2719
14	02/14/23	17:59	0.65	84	55.0	12.5	7.5	22	Yes	2786
15	02/15/23	15:59	0.64	85	54.9	12.5	7.4	22	Yes	2743
16	02/16/23	11:59	0.63	85	54.0	12.6	7.5	22	Yes	2741
17	02/17/23	15:59	0.64	86	54.8	12.6	7.8	26	Yes	2722
18	02/18/23	12:59	0.63	83	52.3	12.6	7.6	26	Yes	2827
19	02/19/23	13:59	0.63	85	53.8	12.6	7.7	26	Yes	2736
20	02/20/23	6:59	0.64	86	55.5	12.7	7.9	26	Yes	2710
21	02/21/23	22:59	0.62	84	52.1	12.5	7.2	22	Yes	2786
22	02/22/23	23:59	0.61	85	51.9	12.2	7.3	22	Yes	2738
23	02/23/23	21:59	0.62	85	52.3	12.3	7.4	22	Yes	2767
24	02/24/23	21:59	0.61	85	51.9	12.3	7.3	22	Yes	2738
25	02/25/23	17:59	0.63	84	52.7	12.3	7.3	22	Yes	2783
26	02/26/23	13:59	0.63	85	53.6	12.5	7.3	22	Yes	2759
27	02/27/23	12:59	0.63	86	54.2	12.5	7.3	22	Yes	2730
28	02/28/23	9:59	0.63	84	52.6	12.3	7.3	22	Yes	2777

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot