

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

March

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	03/01/23	no	0.028	no	no	0.018	no	0.028
2	03/02/23	no	no	no	0.018	no	no	0.018
3	03/03/23	no	no	no	no	no	0.018	0.018
4	03/04/23	no	no	no	no	0.020	no	0.020
5	03/05/23	no	no	no	0.018	no	no	0.018
6	03/06/23	0.018	no	no	0.018	no	0.018	0.018
7	03/07/23	no	no	0.017	no	no	no	0.017
8	03/08/23	no	no	0.018	no	0.018	no	0.018
9	03/09/23	0.018	no	no	0.018	no	0.018	0.018
10	03/10/23	0.018	no	no	0.018	no	0.019	0.019
11	03/11/23	no	no	no	0.018	no	0.018	0.018
12	03/12/23	no	no	0.021	no	no	0.018	0.021
13	03/13/23	no	0.018	no	0.018	no	no	0.018
14	03/14/23	no	no	no	0.018	no	0.018	0.018
15	03/15/23	no	no	0.084	no	no	0.018	0.084
16	03/16/23	no	0.019	no	no	0.018	no	0.019
17	03/17/23	0.018	no	no	0.018	no	no	0.018
18	03/18/23	no	no	no	0.018	no	0.018	0.018
19	03/19/23	no	no	0.019	no	0.060	0.017	0.060
20	03/20/23	no	no	no	0.018	no	0.017	0.018
21	03/21/23	0.017	no	no	0.017	no	no	0.017
22	03/22/23	0.017	no	no	0.017	no	0.056	0.056
23	03/23/23	no	no	0.033	no	no	no	0.033
24	03/24/23	no	no	0.020	no	no	no	0.020
25	03/25/23	no	no	no	0.018	no	no	0.018
26	03/26/23	no	no	no	0.015	no	no	0.015
27	03/27/23	no	no	no	no	no	no	0.017
28	03/28/23	no	no	0.029	0.021	no	no	0.029
29	03/29/23	0.016	no	no	0.016	no	no	0.016
30	03/30/23	0.016	no	no	0.017	no	no	0.017
31	03/31/23	0.015	no	no	0.015	0.017	no	0.017

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: 4-7-2023
	Phone #: (503) 397-1311	Opr. Cert. # 2265

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

March

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	03/01/23	6:59	0.63	83	52.1	12.4	7.4	22	Yes	2813
2	03/02/23	3:59	0.62	85	53.1	12.5	7.3	22	Yes	2753
3	03/03/23	20:59	0.62	83	51.9	12.4	7.5	22	Yes	2811
4	03/04/23	16:59	0.63	85	53.3	12.4	7.4	22	Yes	2765
5	03/05/23	13:59	0.63	85	53.4	12.4	7.5	22	Yes	2737
6	03/06/23	12:59	0.62	85	53.1	12.5	7.7	26	Yes	2745
7	03/07/23	8:59	0.63	85	53.6	12.4	7.5	22	Yes	2737
8	03/08/23	8:59	0.63	85	54.1	12.4	7.5	22	Yes	2736
9	03/09/23	2:59	0.62	85	53.2	12.2	7.5	22	Yes	2738
10	03/10/23	12:59	0.63	85	53.4	12.4	7.5	22	Yes	2756
11	03/11/23	13:59	0.62	85	52.8	12.4	7.6	26	Yes	2741
12	03/12/23	10:59	0.62	84	52.2	12.3	7.5	22	Yes	2800
13	03/13/23	4:59	0.62	85	53.2	12.4	7.5	22	Yes	2739
14	03/14/23	0:59	0.63	85	53.6	12.4	7.5	22	Yes	2744
15	03/15/23	20:59	0.63	85	53.2	12.3	7.5	22	Yes	2765
16	03/16/23	15:59	0.62	84	52.7	12.4	7.5	22	Yes	2768
17	03/17/23	14:59	0.63	85	53.7	12.5	7.4	22	Yes	2754
18	03/18/23	12:59	0.64	85	54.1	12.4	7.3	22	Yes	2755
19	03/19/23	9:59	0.64	85	54.3	12.2	7.3	22	Yes	2745
20	03/20/23	12:59	0.66	89	58.7	12.2	7.4	22	Yes	2642
21	03/21/23	13:59	0.65	85	54.6	12.2	7.4	22	Yes	2763
22	03/22/23	12:59	0.64	85	54.4	12.4	7.5	22	Yes	2737
23	03/23/23	11:59	0.63	85	53.8	12.4	7.4	22	Yes	2741
24	03/24/23	9:59	0.63	84	52.7	12.3	7.4	22	Yes	2780
25	03/25/23	3:59	0.63	84	52.6	12.4	7.3	22	Yes	2800
26	03/26/23	0:59	0.62	86	53.2	12.3	7.3	22	Yes	2724
27	03/27/23	20:59	0.56	86	48.6	12.4	7.3	21	Yes	2720
28	03/28/23	13:59	0.53	116	62.1	12.5	7.2	21	Yes	2010
29	03/29/23	13:59	0.70	114	79.8	12.9	7.3	22	Yes	2049
30	03/30/23	13:59	0.71	115	81.3	13.0	7.4	22	Yes	2029
31	03/31/23	15:59	0.74	116	86.1	12.9	7.3	22	Yes	2020

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot