

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

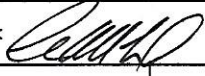
Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

July

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	07/01/23	0.017	0.018	no	0.018	0.018	0.018	0.020
2	07/02/23	0.018	0.019	no	0.018	0.018	0.018	0.020
3	07/03/23	0.018	0.018	no	0.020	0.018	no	0.020
4	07/04/23	0.018	no	0.018	0.017	0.018	0.019	0.019
5	07/05/23	no	0.019	0.017	0.018	no	0.018	0.019
6	07/06/23	no	0.018	0.018	no	0.018	no	0.019
7	07/07/23	0.018	0.017	0.017	no	0.018	no	0.018
8	07/08/23	0.018	no	0.017	no	0.018	no	0.023
9	07/09/23	0.017	no	0.017	0.018	no	0.018	0.019
10	07/10/23	0.019	no	0.017	0.018	no	0.018	0.019
11	07/11/23	0.018	no	no	0.018	no	0.023	0.023
12	07/12/23	0.018	no	0.018	0.018	no	0.018	0.020
13	07/13/23	0.018	no	0.018	no	0.019	0.018	0.019
14	07/14/23	no	0.018	no	0.019	0.019	0.019	0.019
15	07/15/23	no	no	no	0.018	0.019	no	0.022
16	07/16/23	0.019	no	0.019	no	0.019	no	0.019
17	07/17/23	0.019	no	0.018	0.018	no	0.019	0.019
18	07/18/23	no	0.018	0.018	0.018	no	0.019	0.019
19	07/19/23	no	0.018	0.018	0.018	no	0.018	0.019
20	07/20/23	no	0.018	no	0.018	no	0.019	0.020
21	07/21/23	no	0.018	no	0.018	no	0.019	0.020
22	07/22/23	no	0.018	no	0.018	no	0.019	0.019
23	07/23/23	no	0.020	no	0.019	no	0.019	0.020
24	07/24/23	no	no	no	0.019	no	0.018	0.019
25	07/25/23	no	0.019	no	0.019	no	0.018	0.019
26	07/26/23	no	0.019	no	0.018	no	0.019	0.019
27	07/27/23	no	0.019	no	no	0.019	0.019	0.019
28	07/28/23	no	no	no	0.025	0.019	no	0.025
29	07/29/23	0.019	no	0.018	0.019	0.019	no	0.019
30	07/30/23	no	no	no	0.018	0.019	0.020	0.020
31	07/31/23	no	0.019	0.018	no	no	0.019	0.019

Slow Sand/ <u>Membrane</u> / DE Filtration / Unfiltered	Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings ≤ 1 NTU? <u>Yes</u> / No	CT's met everyday? (see back) <u>Yes</u> / No	All CL2 residual at entry point > 0.2 mg/l? <u>Yes</u> / No
All turbidity readings < 5 NTU? <u>Yes</u> / No	Notes	
Printed Name: Aaron Kunders		Date: 8/10/23
Signature: 		Phone #: (503) 397-1311
Opr. Cert. # 684854		

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

July

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	07/01/23	13:59	0.68	119	80.1	13.6	7.4	22	Yes	1972
2	07/02/23	12:59	0.66	118	78.2	13.7	7.5	22	Yes	1974
3	07/03/23	13:59	0.67	88	58.8	13.1	7.3	22	Yes	2650
4	07/04/23	7:59	0.79	88	69.7	13.1	7.3	22	Yes	2667
5	07/05/23	7:59	0.78	89	69.3	13.1	7.5	22	Yes	2615
6	07/06/23	6:59	0.75	90	67.5	13.1	7.6	26	Yes	2599
7	07/07/23	9:59	0.73	84	61.6	13.1	7.6	26	Yes	2772
8	07/08/23	17:59	0.73	86	63.0	13.1	7.5	22	Yes	2715
9	07/09/23	8:59	0.73	86	62.4	13.1	7.5	22	Yes	2730
10	07/10/23	0:59	0.72	86	61.8	13.1	7.5	22	Yes	2726
11	07/11/23	20:59	0.72	86	61.6	13.1	7.5	22	Yes	2721
12	07/12/23	15:59	0.71	86	61.7	13.1	7.5	22	Yes	2710
13	07/13/23	7:59	0.71	84	59.4	13.1	7.5	22	Yes	2791
14	07/14/23	21:59	0.71	85	60.2	13.2	7.5	22	Yes	2738
15	07/15/23	12:59	0.70	86	60.1	13.2	7.5	22	Yes	2718
16	07/16/23	7:59	0.69	86	58.7	13.2	7.5	22	Yes	2732
17	07/17/23	19:59	0.68	86	58.4	13.3	7.4	22	Yes	2732
18	07/18/23	12:59	0.68	87	59.0	13.3	7.4	22	Yes	2696
19	07/19/23	5:59	0.68	86	58.4	13.3	7.4	22	Yes	2706
20	07/20/23	20:59	0.66	85	56.2	13.3	7.6	26	Yes	2745
21	07/21/23	12:59	0.65	85	55.7	13.3	7.5	22	Yes	2746
22	07/22/23	5:59	0.66	85	55.8	13.4	7.5	22	Yes	2752
23	07/23/23	13:59	0.65	86	56.0	13.4	7.4	22	Yes	2704
24	07/24/23	7:59	0.64	87	55.8	13.4	7.4	22	Yes	2700
25	07/25/23	13:59	0.64	86	55.3	13.4	7.4	22	Yes	2728
26	07/26/23	7:59	0.64	86	55.2	13.4	7.5	22	Yes	2728
27	07/27/23	14:59	0.64	86	54.7	13.5	7.5	22	Yes	2716
28	07/28/23	7:59	0.63	86	53.9	13.5	7.5	22	Yes	2725
29	07/29/23	14:59	0.63	87	54.3	13.6	7.5	22	Yes	2701
30	07/30/23	22:59	0.62	85	53.3	13.6	7.5	22	Yes	2737
31	07/31/23	15:59	0.62	85	52.7	13.6	7.5	22	Yes	2757

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot