

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A


September

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	09/01/23	no	no	0.019	no	0.020	no	0.020
2	09/02/23	0.019	no	0.019	no	0.019	no	0.019
3	09/03/23	0.019	no	0.019	no	0.020	no	0.020
4	09/04/23	0.019	no	0.019	no	0.019	no	0.019
5	09/05/23	0.019	no	0.019	0.019	no	no	0.019
6	09/06/23	no	no	no	0.019	0.019	0.019	0.019
7	09/07/23	no	no	no	no	no	0.019	0.019
8	09/08/23	no	no	0.019	no	no	0.020	0.020
9	09/09/23	no	no	0.019	no	no	0.020	0.020
10	09/10/23	no	no	no	0.020	no	0.020	0.020
11	09/11/23	no	no	no	no	no	0.019	0.019
12	09/12/23	no	no	no	no	no	0.020	0.020
13	09/13/23	no	0.020	no	0.020	no	0.020	0.020
14	09/14/23	no	0.020	no	0.019	no	0.020	0.020
15	09/15/23	no	0.019	no	no	no	no	0.019
16	09/16/23	0.020	no	no	no	0.020	no	0.020
17	09/17/23	0.019	no	0.023	no	0.019	no	0.023
18	09/18/23	0.019	no	0.019	no	0.019	no	0.019
19	09/19/23	0.019	no	0.019	no	0.019	no	0.019
20	09/20/23	0.019	no	0.020	no	no	no	0.020
21	09/21/23	no	0.020	no	no	no	0.020	0.020
22	09/22/23	no	no	0.019	no	0.019	no	0.019
23	09/23/23	0.019	no	0.020	no	0.019	no	0.020
24	09/24/23	0.019	no	0.021	no	0.019	no	0.021
25	09/25/23	0.019	no	0.019	no	no	no	0.019
26	09/26/23	0.019	no	0.019	0.019	no	no	0.019
27	09/27/23	0.018	no	no	0.019	no	0.019	0.019
28	09/28/23	0.019	no	no	0.019	no	0.020	0.020
29	09/29/23	0.019	no	0.019	no	no	0.019	0.019
30	09/30/23	no	no	no	0.019	0.019	no	0.019

Slow Sand/Membrane/DE Filtration/Unfiltered Monthly Summary (Answer Yes or No)

95% of daily turbidity readings ≤ 1 NTU? <b>Yes</b> / No	CT's met everyday? (see back) <b>Yes</b> / No	All CL2 residual at entry point > 0.2 mg/l? <b>Yes</b> / No
All turbidity readings < 5 NTU? <b>Yes</b> / No		

Notes	Printed Name: Aaron Kunders	
	Signature: 	Date: 10/3/23
	Phone #: (503) 397-2344	Opr. Cert. # 684854

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

**St Helens Oregon**

**PWS#4100724 WFP - A**

Month:

**September**

Year:

**2023**

DAY	DATE	Time of Peak Flow	Minimum Chlorine Residual (mg/L) [AIT-4705]	Contact Time T (min)	Actual Minimum CXT	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	09/01/23	9:59	0.63	86	53.7	14.4	7.6	18	Yes	2727
2	09/02/23	0:59	0.63	85	53.4	14.3	7.5	15	Yes	2759
3	09/03/23	9:59	0.65	85	55.2	14.4	7.5	15	Yes	2742
4	09/04/23	17:59	0.65	86	56.1	14.3	7.4	15	Yes	2718
5	09/05/23	8:59	0.65	85	55.8	14.3	7.4	15	Yes	2737
6	09/06/23	14:59	0.65	83	54.5	14.3	7.4	15	Yes	2803
7	09/07/23	21:59	0.65	85	55.2	14.3	7.4	15	Yes	2757
8	09/08/23	15:59	0.65	86	55.6	14.3	7.4	15	Yes	2728
9	09/09/23	8:59	0.66	85	55.9	14.3	7.6	18	Yes	2741
10	09/10/23	14:59	0.65	86	56.2	14.3	7.5	15	Yes	2712
11	09/11/23	8:59	0.64	87	55.8	14.3	7.5	15	Yes	2701
12	09/12/23	15:59	0.64	86	55.3	14.4	7.5	15	Yes	2706
13	09/13/23	6:59	0.64	86	55.1	14.4	7.5	15	Yes	2722
14	09/14/23	14:59	0.64	86	54.9	14.4	7.5	15	Yes	2717
15	09/15/23	4:59	0.65	84	54.3	14.4	7.5	15	Yes	2787
16	09/16/23	11:59	0.62	86	53.0	14.4	7.5	15	Yes	2722
17	09/17/23	1:59	0.60	87	52.0	14.4	7.5	15	Yes	2700
18	09/18/23	23:59	0.58	85	49.8	14.4	7.4	15	Yes	2740
19	09/19/23	16:59	0.57	86	48.9	14.4	7.4	15	Yes	2726
20	09/20/23	23:59	0.79	86	67.4	14.4	7.5	15	Yes	2728
21	09/21/23	15:59	0.78	87	67.6	14.4	7.6	18	Yes	2700
22	09/22/23	9:59	0.77	87	66.9	14.4	7.5	15	Yes	2683
23	09/23/23	0:59	0.76	84	63.6	14.4	7.4	15	Yes	2792
24	09/24/23	10:59	0.76	87	66.3	14.4	7.4	15	Yes	2686
25	09/25/23	0:59	0.74	86	63.2	14.4	7.5	15	Yes	2728
26	09/26/23	23:59	0.71	118	84.3	14.4	7.7	18	Yes	1979
27	09/27/23	21:59	0.71	118	83.4	14.4	7.5	15	Yes	1990
28	09/28/23	11:59	0.71	118	84.1	14.4	7.3	15	Yes	1984
29	09/29/23	9:59	0.71	117	82.7	14.4	7.5	15	Yes	2005
30	09/30/23	11:59	0.67	119	79.8	14.4	7.5	15	Yes	1970

Notes:

**Page 2 of 2**

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons

25.2' Pause level multiplied by 17155 gal/foot