

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


Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

August

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	08/01/23	no	0.020	0.018	no	0.019	0.020	0.020
2	08/02/23	no	0.020	0.019	no	0.019	no	0.020
3	08/03/23	no	no	0.019	0.019	0.020	0.019	0.020
4	08/04/23	no	0.019	0.019	0.018	no	0.019	0.019
5	08/05/23	no	0.018	no	0.019	no	0.020	0.020
6	08/06/23	no	0.019	no	0.019	no	0.019	0.019
7	08/07/23	no	0.019	no	0.019	no	0.019	0.019
8	08/08/23	no	0.020	no	0.019	no	0.020	0.020
9	08/09/23	no	0.020	0.019	no	no	0.020	0.020
10	08/10/23	no	0.019	0.018	0.019	no	0.019	0.019
11	08/11/23	no	0.019	0.018	0.019	no	0.019	0.019
12	08/12/23	no	0.019	0.019	0.019	no	0.020	0.020
13	08/13/23	no	0.020	0.019	0.019	0.020	0.019	0.020
14	08/14/23	no	0.020	0.019	0.019	no	0.020	0.020
15	08/15/23	no	0.020	0.019	no	0.021	no	0.021
16	08/16/23	0.020	0.019	0.020	no	0.021	0.019	0.021
17	08/17/23	no	0.019	no	0.019	no	0.019	0.019
18	08/18/23	no	0.019	no	0.020	no	0.019	0.020
19	08/19/23	no	0.020	no	0.019	no	0.019	0.020
20	08/20/23	no	0.019	no	0.019	no	0.019	0.019
21	08/21/23	no	0.020	no	0.019	0.019	0.019	0.020
22	08/22/23	no	no	0.018	0.019	no	0.020	0.020
23	08/23/23	no	0.019	no	0.019	no	0.019	0.019
24	08/24/23	no	0.019	0.018	0.019	no	0.019	0.019
25	08/25/23	no	0.020	no	0.019	0.020	no	0.020
26	08/26/23	0.019	no	0.019	no	0.019	no	0.021
27	08/27/23	0.019	no	0.019	no	0.019	no	19.000
28	08/28/23	no	0.020	0.019	0.019	no	0.020	0.020
29	08/29/23	no	0.019	no	0.019	no	0.019	0.019
30	08/30/23	no	0.020	no	0.019	no	0.020	0.020
31	08/31/23	no	0.020	no	0.020	no	0.019	0.020

Slow Sand/Membrane/DE Filtration/Unfiltered	Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings ≤ 1 NTU <input checked="" type="radio"/> Yes / <input type="radio"/> No	CT's met everyday? (see back) <input checked="" type="radio"/> Yes / <input type="radio"/> No	All CL2 residual at entry point > 0.2 mg/l? <input checked="" type="radio"/> Yes / <input type="radio"/> No
All turbidity readings < 5 NTU? <input checked="" type="radio"/> Yes / <input type="radio"/> No	Printed Name: Aaron Kunders	
Notes	Signature: 	Date: 9/5/23
	Phone #: (503) 397-1311	Opr. Cert. # 684854

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

August

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	08/01/23	6:59	0.61	85	52.4	13.7	7.5	29	Yes	2737
2	08/02/23	18:59	0.64	84	53.7	13.7	7.5	29	Yes	2789
3	08/03/23	9:59	0.66	87	57.5	13.7	7.5	29	Yes	2701
4	08/04/23	20:59	0.71	86	61.2	13.8	7.5	29	Yes	2714
5	08/05/23	13:59	0.75	87	64.9	13.8	7.4	29	Yes	2692
6	08/06/23	20:59	0.76	84	63.9	13.8	7.5	29	Yes	2776
7	08/07/23	12:59	0.77	87	66.6	13.8	7.5	29	Yes	2693
8	08/08/23	21:59	0.77	85	65.6	13.8	7.5	29	Yes	2739
9	08/09/23	15:59	0.74	84	62.8	13.8	7.5	29	Yes	2768
10	08/10/23	6:59	0.72	83	60.4	13.8	7.4	29	Yes	2807
11	08/11/23	14:59	0.71	85	60.6	13.8	7.4	29	Yes	2741
12	08/12/23	6:59	0.71	85	60.5	13.8	7.5	29	Yes	2739
13	08/13/23	19:59	0.71	86	60.7	13.9	7.5	29	Yes	2719
14	08/14/23	19:59	0.70	85	59.7	13.9	7.5	29	Yes	2751
15	08/15/23	19:59	0.70	87	60.6	14.0	7.5	29	Yes	2685
16	08/16/23	10:59	0.68	87	59.2	14.0	7.5	29	Yes	2693
17	08/17/23	19:59	0.68	86	58.1	14.0	7.5	29	Yes	2721
18	08/18/23	13:59	0.67	83	55.7	14.0	7.5	29	Yes	2823
19	08/19/23	12:59	0.67	84	56.5	14.1	7.5	29	Yes	2768
20	08/20/23	13:59	0.67	86	57.1	14.1	7.5	29	Yes	2725
21	08/21/23	23:59	0.65	86	56.1	14.1	7.5	29	Yes	2714
22	08/22/23	16:59	0.64	86	55.5	14.1	7.3	29	Yes	2712
23	08/23/23	21:59	0.64	85	54.9	14.1	7.2	29	Yes	2741
24	08/24/23	14:59	0.65	84	54.8	14.1	7.5	29	Yes	2782
25	08/25/23	16:59	0.61	87	52.8	14.2	7.5	29	Yes	2695
26	08/26/23	8:59	0.64	85	54.6	14.2	7.5	29	Yes	2764
27	08/27/23	0:59	0.65	87	56.0	14.2	7.0	24	Yes	2694
28	08/28/23	22:59	0.66	84	55.4	14.2	7.4	29	Yes	2777
29	08/29/23	14:59	0.65	86	55.9	14.2	7.5	29	Yes	2707
30	08/30/23	6:59	0.64	85	54.3	14.3	7.4	29	Yes	2757
31	08/31/23	14:59	0.64	87	55.6	14.3	7.5	29	Yes	2690

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot