

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

January

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	01/01/23	0.013	no	0.014	no	0.014	no	0.014
2	01/02/23	no	0.014	no	0.013	0.014	no	0.014
3	01/03/23	0.014	no	no	0.014	no	0.014	0.014
4	01/04/23	no	0.014	no	0.015	no	0.015	0.015
5	01/05/23	no	no	0.015	no	0.014	no	0.015
6	01/06/23	no	0.014	no	0.015	no	no	0.015
7	01/07/23	0.014	no	no	0.014	no	0.014	0.014
8	01/08/23	no	no	0.014	no	0.014	no	0.014
9	01/09/23	no	no	no	no	no	no	0.016
10	01/10/23	no	no	no	0.014	no	0.015	0.015
11	01/11/23	no	no	0.014	no	0.014	no	0.014
12	01/12/23	no	0.014	no	0.014	no	0.015	0.015
13	01/13/23	no	no	0.014	no	no	no	0.014
14	01/14/23	no	0.013	no	0.014	0.014	no	0.014
15	01/15/23	0.014	no	no	0.014	no	0.015	0.015
16	01/16/23	no	no	no	no	0.014	no	0.014
17	01/17/23	0.014	no	no	0.014	no	0.014	0.014
18	01/18/23	no	no	0.014	no	0.023	no	0.023
19	01/19/23	no	no	no	0.021	no	0.022	0.022
20	01/20/23	no	no	0.019	no	0.019	no	0.019
21	01/21/23	no	no	no	no	0.018	no	0.018
22	01/22/23	0.019	no	no	0.019	no	0.020	0.020
23	01/23/23	no	no	0.021	no	no	0.018	0.021
24	01/24/23	no	no	no	no	0.019	no	0.019
25	01/25/23	no	no	no	0.019	no	no	0.019
26	01/26/23	no	no	0.020	no	no	0.019	0.020
27	01/27/23	no	0.019	no	0.019	no	no	0.019
28	01/28/23	0.018	no	no	0.018	no	0.018	0.018
29	01/29/23	no	no	0.018	no	no	0.019	0.019
30	01/30/23	no	0.020	no	no	0.019	no	0.020
31	01/31/23	0.019	no	no	0.019	no	0.020	0.020

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: 2-8-23
	Phone #: (503) 397-1311	Opr. Cert. # 2265

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

January

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	01/01/23	9:59	0.67	87	58.7	12.9	7.3	22	Yes	2683
2	01/02/23	13:59	0.69	86	59.5	13.0	7.4	22	Yes	2716
3	01/03/23	20:59	0.70	88	61.8	13.0	7.3	22	Yes	2655
4	01/04/23	13:59	0.72	87	62.2	13.0	7.4	22	Yes	2694
5	01/05/23	18:59	0.71	88	62.0	13.0	7.3	22	Yes	2662
6	01/06/23	5:59	0.72	87	62.5	12.9	7.4	22	Yes	2678
7	01/07/23	20:59	0.71	88	62.7	12.9	7.3	22	Yes	2668
8	01/08/23	15:59	0.71	88	62.2	12.8	7.5	22	Yes	2654
9	01/09/23	10:59	0.69	88	60.4	12.8	7.5	22	Yes	2662
10	01/10/23	3:59	0.71	85	59.9	12.8	7.6	26	Yes	2752
11	01/11/23	17:59	0.69	84	58.0	12.7	7.5	22	Yes	2786
12	01/12/23	13:59	0.71	85	60.7	12.9	7.4	22	Yes	2753
13	01/13/23	9:59	0.72	83	60.1	12.9	7.3	22	Yes	2802
14	01/14/23	6:59	0.70	85	59.5	12.8	7.4	22	Yes	2754
15	01/15/23	1:59	0.70	84	58.7	12.8	7.3	22	Yes	2792
16	01/16/23	17:59	0.71	84	59.7	12.8	7.4	22	Yes	2773
17	01/17/23	11:59	0.70	84	59.1	12.8	7.4	22	Yes	2785
18	01/18/23	10:59	0.72	85	61.4	12.8	7.4	22	Yes	2755
19	01/19/23	21:59	0.74	83	61.6	12.8	7.5	22	Yes	2825
20	01/20/23	18:59	0.72	84	60.5	12.7	7.4	22	Yes	2777
21	01/21/23	16:59	0.70	85	59.4	12.6	7.5	22	Yes	2764
22	01/22/23	13:59	0.70	84	59.2	12.7	7.4	22	Yes	2781
23	01/23/23	10:59	0.70	85	59.3	12.7	7.4	22	Yes	2745
24	01/24/23	8:59	0.70	85	59.2	12.7	7.4	22	Yes	2746
25	01/25/23	4:59	0.69	85	58.4	12.8	7.3	22	Yes	2757
26	01/26/23	21:59	0.68	85	57.6	12.7	7.4	22	Yes	2753
27	01/27/23	14:59	0.67	83	55.8	12.8	7.5	22	Yes	2818
28	01/28/23	11:59	0.65	84	54.7	12.7	7.3	22	Yes	2791
29	01/29/23	10:59	0.65	82	53.6	12.5	7.4	22	Yes	2839
30	01/30/23	6:59	0.67	84	56.1	12.6	7.5	22	Yes	2776
31	01/31/23	1:59	0.65	86	55.8	12.7	7.5	22	Yes	2731

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot