

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP - : A

May

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	05/01/23	0.015	no	no	0.015	no	no	0.015
2	05/02/23	0.015	no	0.015	0.015	no	no	0.015
3	05/03/23	0.015	no	0.015	0.015	no	0.016	0.016
4	05/04/23	0.015	no	no	0.015	no	0.015	0.015
5	05/05/23	0.015	no	0.015	0.015	0.015	no	0.015
6	05/06/23	0.015	no	no	0.014	no	0.015	0.015
7	05/07/23	0.014	no	no	0.014	no	no	0.014
8	05/08/23	0.015	no	0.014	0.014	no	no	0.015
9	05/09/23	0.013	no	0.013	0.013	no	0.012	0.013
10	05/10/23	0.011	no	0.016	0.015	no	0.016	0.016
11	05/11/23	no	no	0.016	0.016	no	no	0.016
12	05/12/23	0.017	no	0.017	0.017	0.017	no	0.017
13	05/13/23	no	0.017	no	0.018	0.018	0.018	0.018
14	05/14/23	no	no	0.017	0.018	0.018	0.018	0.018
15	05/15/23	no	no	0.018	0.018	no	0.018	0.018
16	05/16/23	0.017	no	0.018	0.017	no	0.018	0.018
17	05/17/23	0.018	no	no	0.018	no	0.019	0.019
18	05/18/23	0.018	no	no	0.019	no	no	0.019
19	05/19/23	0.018	no	0.019	0.018	0.018	no	0.019
20	05/20/23	0.018	no	no	0.018	0.021	no	0.021
21	05/21/23	0.018	no	no	0.018	0.018	no	0.018
22	05/22/23	0.017	no	no	0.018	no	0.018	0.018
23	05/23/23	0.019	no	no	0.018	no	0.018	0.019
24	05/24/23	0.018	no	no	0.018	0.018	no	0.018
25	05/25/23	0.018	0.018	no	0.018	0.018	no	0.018
26	05/26/23	0.018	0.018	no	0.019	0.019	0.019	0.019
27	05/27/23	no	0.020	no	0.018	0.019	no	0.020
28	05/28/23	0.018	0.018	no	0.018	0.019	no	0.019
29	05/29/23	0.018	0.018	no	0.019	0.019	0.018	0.019
30	05/30/23	0.018	no	0.019	no	0.018	0.018	0.019
31	05/31/23	no	0.018	0.017	no	0.018	0.018	0.018

Slow Sand/Membrane/DE Filtration/Unfiltered

Monthly Summary (Answer Yes or No)

95% of daily turbidity readings ≤ 1 NTU? Yes / No

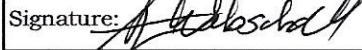
All turbidity readings < 5 NTU? Yes / No

CT's met everyday? (see back) Yes / No

All CL2 residual at entry point > 0.2 mg/l? Yes / No

Notes

Printed Name: Steve Wabschall

Signature: 

Date: 6/6/2023

Phone #: (503) 397-1311

Opr. Cert. # 2265

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

May

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	05/01/23	14:59	0.67	115	77.0	13.1	7.5	22	Yes	2028
2	05/02/23	11:59	0.66	113	74.5	13.1	7.4	22	Yes	2064
3	05/03/23	22:59	0.65	115	74.2	13.1	7.5	22	Yes	2039
4	05/04/23	22:59	0.60	114	68.3	13.0	7.8	26	Yes	2048
5	05/05/23	12:59	0.58	113	65.7	13.0	7.6	26	Yes	2071
6	05/06/23	14:59	0.57	112	63.9	13.0	7.7	26	Yes	2083
7	05/07/23	11:59	0.63	112	70.6	13.0	7.8	26	Yes	2090
8	05/08/23	15:59	0.62	112	69.1	12.9	7.9	26	Yes	2087
9	05/09/23	1:59	0.62	112	69.4	12.9	7.9	26	Yes	2086
10	05/10/23	14:59	0.64	112	71.9	12.9	7.5	22	Yes	2080
11	05/11/23	9:59	0.64	112	71.9	12.9	7.4	22	Yes	2094
12	05/12/23	17:59	0.64	113	72.7	13.0	7.4	22	Yes	2071
13	05/13/23	5:59	0.66	112	74.0	13.0	7.3	22	Yes	2082
14	05/14/23	12:59	0.66	113	74.9	13.1	7.3	22	Yes	2067
15	05/15/23	20:59	0.66	112	74.3	13.1	7.4	22	Yes	2086
16	05/16/23	21:59	0.63	112	70.0	13.1	7.6	26	Yes	2088
17	05/17/23	12:59	0.57	110	63.4	13.2	7.8	26	Yes	2118
18	05/18/23	11:59	0.54	110	59.2	13.3	7.9	26	Yes	2134
19	05/19/23	10:59	0.65	109	71.1	13.4	7.7	26	Yes	2142
20	05/20/23	16:59	0.67	110	73.4	13.5	7.6	26	Yes	2128
21	05/21/23	11:59	0.66	110	72.6	13.6	7.5	22	Yes	2125
22	05/22/23	14:59	0.67	111	74.5	13.6	7.4	22	Yes	2109
23	05/23/23	22:59	0.67	111	74.4	13.7	7.6	26	Yes	2107
24	05/24/23	11:59	0.69	111	76.5	13.7	7.5	22	Yes	2103
25	05/25/23	12:59	0.71	112	78.8	13.8	7.4	22	Yes	2097
26	05/26/23	3:59	0.70	112	78.8	13.8	7.3	22	Yes	2091
27	05/27/23	14:59	0.72	112	80.4	13.8	7.3	22	Yes	2084
28	05/28/23	12:59	0.71	113	80.6	13.7	7.4	22	Yes	2068
29	05/29/23	15:59	0.73	113	82.1	13.7	7.5	22	Yes	2069
30	05/30/23	9:59	0.73	112	82.1	13.7	7.2	22	Yes	2081
31	05/31/23	9:59	0.61	114	70.0	13.7	7.3	22	Yes	2046

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot