

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A December 2021

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	12/01/21	0.019	no	0.020	0.019	no	0.019	0.020
2	12/02/21	no	no	no	0.020	0.019	no	0.026
3	12/03/21	no	0.019	no	0.020	0.020	no	0.020
4	12/04/21	0.021	no	no	0.020	0.019	no	0.021
5	12/05/21	no	0.019	no	0.020	0.019	no	0.020
6	12/06/21	0.020	0.019	no	0.019	0.019	no	0.020
7	12/07/21	0.018	no	no	0.018	0.018	no	0.021
8	12/08/21	no	0.019	no	no	0.020	no	0.020
9	12/09/21	no	no	0.018	0.018	no	0.020	0.020
10	12/10/21	no	no	no	0.019	no	0.019	0.020
11	12/11/21	0.019	no	0.019	0.019	no	0.020	0.020
12	12/12/21	no	no	no	0.019	0.019	no	0.020
13	12/13/21	0.019	no	no	0.019	no	0.019	0.019
14	12/14/21	no	no	no	0.019	0.019	no	0.019
15	12/15/21	0.019	no	no	0.019	no	no	0.020
16	12/16/21	0.018	no	no	0.018	no	no	0.019
17	12/17/21	0.018	no	no	0.019	no	0.019	0.019
18	12/18/21	no	no	no	0.019	no	no	0.021
19	12/19/21	0.019	no	no	0.019	0.019	no	0.019
20	12/20/21	no	0.019	no	no	0.019	no	0.020
21	12/21/21	no	0.018	no	0.018	0.019	no	0.019
22	12/22/21	no	0.018	no	0.019	0.018	no	0.020
23	12/23/21	0.018	no	no	0.019	0.019	no	0.020
24	12/24/21	0.018	no	no	0.019	no	0.020	0.021
25	12/25/21	0.019	no	no	0.019	no	no	0.021
26	12/26/21	0.019	no	no	0.018	0.019	no	0.020
27	12/27/21	no	0.018	no	0.019	0.018	no	0.020
28	12/28/21	0.020	no	no	0.018	0.018	no	0.020
29	12/29/21	no	no	0.018	no	0.018	no	0.021
30	12/30/21	no	0.018	0.019	no	0.018	no	0.020
31	12/31/21	no	no	0.018	no	0.019	0.019	0.020

Slow Sand/Membrane/DE Filtration/Unfiltered	Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings \leq 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>[Signature]</i>	Date: 1-7-2022
	Phone #: (503) 397-1311	Opr. Cert. # 2265

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

December

Year:

2021

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-7042]	Required CT from tables (0.5-log)	CT Met? Yes/No	Peak Hourly Demand Flow (GPM)
1	12/01/21	22:59	0.73	113	82.6	14.7	7.2	22	Yes	2066
2	12/02/21	14:59	0.77	114	87.9	14.8	7.0	18	Yes	2044
3	12/03/21	15:59	0.68	114	77.1	14.7	7.2	22	Yes	2059
4	12/04/21	2:59	0.68	113	76.3	14.6	7.3	22	Yes	2070
5	12/05/21	14:59	0.80	113	90.4	14.5	7.3	22	Yes	2068
6	12/06/21	3:59	0.86	113	97.0	14.5	7.3	22	Yes	2063
7	12/07/21	15:59	0.75	113	84.3	14.5	7.3	22	Yes	2076
8	12/08/21	16:59	0.73	113	81.9	14.6	7.3	22	Yes	2076
9	12/09/21	9:59	0.77	113	87.1	14.4	7.3	22	Yes	2069
10	12/10/21	12:59	0.78	112	87.8	14.5	7.3	22	Yes	2082
11	12/11/21	22:59	0.77	113	87.0	14.4	7.3	22	Yes	2066
12	12/12/21	12:59	0.80	111	88.9	14.4	7.3	22	Yes	2109
13	12/13/21	14:59	0.76	113	85.3	14.3	7.3	22	Yes	2071
14	12/14/21	16:59	0.79	112	89.1	14.4	7.3	22	Yes	2079
15	12/15/21	3:59	0.73	112	81.8	14.2	7.3	22	Yes	2083
16	12/16/21	14:59	0.71	103	72.4	14.3	7.3	22	Yes	2279
17	12/17/21	22:59	0.68	112	75.8	14.2	7.3	22	Yes	2083
18	12/18/21	11:59	0.79	111	88.2	14.1	7.3	22	Yes	2104
19	12/19/21	13:59	0.73	112	81.8	14.1	7.2	22	Yes	2087
20	12/20/21	6:59	0.71	112	79.2	14.1	7.3	22	Yes	2085
21	12/21/21	12:59	0.74	111	82.0	14.1	7.2	22	Yes	2108
22	12/22/21	15:59	0.67	111	73.9	14.1	7.3	22	Yes	2105
23	12/23/21	3:59	0.65	111	71.9	14.0	7.2	22	Yes	2103
24	12/24/21	22:59	0.71	111	78.4	13.8	7.2	22	Yes	2108
25	12/25/21	2:59	0.62	112	69.7	13.9	7.2	22	Yes	2095
26	12/26/21	13:59	0.53	112	59.4	13.8	7.2	21	Yes	2087
27	12/27/21	16:59	0.60	112	67.0	13.8	7.2	21	Yes	2086
28	12/28/21	2:59	0.89	111	99.3	13.7	7.1	22	Yes	2099
29	12/29/21	9:59	0.85	112	95.8	13.7	7.2	22	Yes	2084
30	12/30/21	7:59	0.84	112	94.8	13.8	7.2	22	Yes	2082
31	12/31/21	20:59	0.80	112	89.0	13.6	7.2	22	Yes	2097

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot