

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

November

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	11/01/21	no	no	0.020	0.020	no	no	0.020
2	11/02/21	0.020	no	no	0.020	0.019	no	0.021
3	11/03/21	no	0.019	no	0.020	no	no	0.021
4	11/04/21	0.019	no	no	0.019	no	no	0.020
5	11/05/21	0.019	no	no	0.020	0.019	no	0.021
6	11/06/21	no	0.019	no	no	0.020	no	0.020
7	11/07/21	no	0.020	no	0.020	0.020	no	0.020
8	11/08/21	no	0.021	0.020	no	0.019	no	0.021
9	11/09/21	no	0.019	no	0.020	0.019	no	0.020
10	11/10/21	0.020	no	no	0.019	0.019	no	0.020
11	11/11/21	no	no	0.019	no	0.019	0.019	0.020
12	11/12/21	no	no	0.019	0.019	no	0.019	0.021
13	11/13/21	no	no	0.020	0.019	no	0.020	0.020
14	11/14/21	no	no	0.018	0.019	no	0.019	0.020
15	11/15/21	0.018	no	0.019	0.019	no	0.018	0.019
16	11/16/21	0.019	no	no	0.019	no	0.020	0.020
17	11/17/21	no	no	0.020	0.018	no	0.019	0.020
18	11/18/21	no	no	0.019	0.019	no	0.019	0.019
19	11/19/21	no	no	no	0.019	0.019	no	0.020
20	11/20/21	no	no	no	0.018	no	no	0.021
21	11/21/21	0.019	no	no	0.019	no	no	0.020
22	11/22/21	0.019	no	no	0.019	no	no	0.020
23	11/23/21	0.019	no	no	0.019	no	no	0.021
24	11/24/21	0.019	no	no	0.019	0.019	no	0.020
25	11/25/21	no	0.019	no	0.019	0.019	no	0.021
26	11/26/21	0.019	0.019	no	0.019	0.019	no	0.020
27	11/27/21	0.019	no	no	0.019	0.019	no	0.020
28	11/28/21	no	0.019	no	no	0.019	no	0.019
29	11/29/21	no	0.018	0.019	no	no	0.019	0.021
30	11/30/21	no	no	0.019	no	no	0.019	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		Date: 12/7/2021
Signature: <i>Steve Wabschall</i>		
Phone #: (503) 397-1311	Opr. Cert. # 2265	

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

November

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	11/01/21	15:59	0.61	115	70.5	14.9	7.2	22	Yes	2026
2	11/02/21	11:59	0.64	115	73.4	15.0	7.2	22	Yes	2030
3	11/03/21	13:59	0.62	114	71.0	15.0	7.2	22	Yes	2053
4	11/04/21	12:59	0.73	114	83.2	15.0	7.2	22	Yes	2044
5	11/05/21	12:59	0.68	114	77.7	15.0	7.2	22	Yes	2054
6	11/06/21	15:59	0.65	113	73.4	15.0	7.2	22	Yes	2069
7	11/07/21	13:59	0.73	114	84.0	14.9	7.2	22	Yes	2043
8	11/08/21	16:59	0.65	113	73.3	15.0	7.2	22	Yes	2060
9	11/09/21	14:59	0.68	114	77.9	14.9	7.3	22	Yes	2055
10	11/10/21	3:59	0.76	114	86.2	14.9	7.3	22	Yes	2059
11	11/11/21	18:59	0.67	113	76.1	14.9	7.3	22	Yes	2061
12	11/12/21	11:59	0.63	113	70.8	15.0	7.3	22	Yes	2069
13	11/13/21	10:59	0.66	113	74.1	14.9	7.5	22	Yes	2068
14	11/14/21	11:59	0.61	113	69.1	15.0	7.2	22	Yes	2073
15	11/15/21	21:59	0.59	112	65.8	14.8	7.2	21	Yes	2082
16	11/16/21	12:59	0.69	113	77.8	14.8	7.3	22	Yes	2074
17	11/17/21	10:59	0.65	113	72.8	14.7	7.3	22	Yes	2074
18	11/18/21	22:59	0.66	114	74.5	14.7	7.3	22	Yes	2056
19	11/19/21	16:59	0.71	114	81.0	14.8	7.3	22	Yes	2059
20	11/20/21	3:59	0.75	113	84.8	14.8	7.3	22	Yes	2072
21	11/21/21	1:59	0.66	112	74.1	14.7	7.3	22	Yes	2095
22	11/22/21	1:59	0.66	113	74.7	14.7	7.3	22	Yes	2074
23	11/23/21	1:59	0.81	113	91.3	14.7	7.3	22	Yes	2067
24	11/24/21	1:59	0.67	114	75.6	14.7	7.3	22	Yes	2060
25	11/25/21	4:59	0.66	113	74.7	14.7	7.3	22	Yes	2060
26	11/26/21	1:59	0.67	113	75.9	14.8	7.3	22	Yes	2067
27	11/27/21	13:59	0.72	114	82.1	14.8	7.2	22	Yes	2044
28	11/28/21	15:59	0.74	113	83.3	14.8	7.3	22	Yes	2072
29	11/29/21	19:59	0.72	114	82.1	14.8	7.3	22	Yes	2057
30	11/30/21	20:59	0.78	113	88.0	14.7	7.3	22	Yes	2064

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot