

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

February

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

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: Guy Davis
 Signature: *Guy Davis* Date: 1 March 21
 Phone #: (503) 397-1311 Opr. Cert. # 7126

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

February

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	02/01/21	21:59	0.69	111	75.8	13.0	7.0	18	Yes	2114
2	02/02/21	21:59	0.69	112	77.6	13.0	7.1	22	Yes	2083
3	02/03/21	22:59	0.60	112	66.8	12.9	7.1	21	Yes	2091
4	02/04/21	14:59	0.66	113	73.9	13.0	7.1	22	Yes	2076
5	02/05/21	11:59	0.73	111	81.8	12.9	7.1	22	Yes	2098
6	02/06/21	14:59	0.61	113	69.1	13.0	7.1	22	Yes	2066
7	02/07/21	0:59	0.65	111	72.0	12.9	7.1	22	Yes	2099
8	02/08/21	12:59	0.59	112	65.9	12.9	7.1	21	Yes	2094
9	02/09/21	2:59	0.67	113	75.5	12.9	7.0	18	Yes	2075
10	02/10/21	0:59	0.68	113	76.5	12.9	7.0	18	Yes	2074
11	02/11/21	15:59	0.67	112	74.7	12.9	7.0	18	Yes	2082
12	02/12/21	12:59	0.73	101	73.7	12.8	7.0	18	Yes	2317
13	02/13/21	14:59	0.62	113	70.3	12.8	7.0	18	Yes	2075
14	02/14/21	11:59	0.75	112	84.6	12.7	7.0	18	Yes	2084
15	02/15/21	6:59	0.67	108	72.0	12.9	6.9	18	Yes	2164
16	02/16/21	6:59	0.65	111	71.6	12.8	7.1	22	Yes	2109
17	02/17/21	13:59	0.62	111	68.5	12.6	7.0	18	Yes	2111
18	02/18/21	11:59	0.68	110	75.5	12.8	7.1	22	Yes	2119
19	02/19/21	11:59	0.64	112	71.7	12.7	7.0	18	Yes	2091
20	02/20/21	11:59	0.69	112	77.3	12.7	7.0	18	Yes	2082
21	02/21/21	14:59	0.64	112	71.6	12.7	7.0	18	Yes	2094
22	02/22/21	15:59	0.70	113	79.2	12.8	7.0	18	Yes	2065
23	02/23/21	14:59	0.69	112	77.4	12.8	7.0	18	Yes	2088
24	02/24/21	11:59	0.67	112	75.2	12.8	7.0	18	Yes	2085
25	02/25/21	0:59	0.71	113	79.5	12.8	7.0	18	Yes	2077
26	02/26/21	12:59	0.76	112	84.6	12.8	7.0	18	Yes	2091
27	02/27/21	1:59	0.67	112	74.5	12.7	7.0	18	Yes	2095
28	02/28/21	12:59	0.64	112	71.8	12.8	7.0	18	Yes	2094

Notes:

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Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot