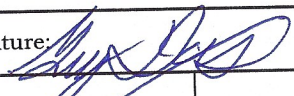


OHA - Drinking Water Program - Turbidity Monitoring Report Form **Columbia County**

Membrane Filtration
St. Helens PWS ID #4100724 WTP -: A **January** **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	01/01/21	no	0.021	no	no	0.021	no	0.023
2	01/02/21	no	0.021	no	0.021	0.021	no	0.023
3	01/03/21	no	no	0.021	no	0.020	0.020	0.023
4	01/04/21	no	0.021	no	0.022	0.020	no	0.023
5	01/05/21	no	0.021	no	0.021	0.021	0.022	0.024
6	01/06/21	no	no	0.022	no	0.019	0.017	0.024
7	01/07/21	no	no	0.016	0.017	no	no	0.020
8	01/08/21	0.017	no	no	0.016	no	no	0.020
9	01/09/21	0.017	no	no	0.016	0.016	no	0.019
10	01/10/21	0.017	no	no	0.016	0.017	0.017	0.019
11	01/11/21	no	no	0.018	no	0.016	0.016	0.020
12	01/12/21	no	no	0.017	no	0.017	0.016	0.019
13	01/13/21	no	no	0.016	0.016	no	0.016	0.017
14	01/14/21	0.017	no	no	0.016	no	0.016	0.019
15	01/15/21	no	no	no	0.016	0.017	no	0.021
16	01/16/21	0.017	no	no	0.017	no	no	0.017
17	01/17/21	0.016	no	no	0.016	0.017	no	0.020
18	01/18/21	no	no	0.017	no	0.017	0.017	0.019
19	01/19/21	no	0.017	no	0.016	0.015	no	0.019
20	01/20/21	0.017	no	no	0.017	0.017	no	0.019
21	01/21/21	no	0.017	no	0.018	0.016	no	0.020
22	01/22/21	0.019	0.016	no	0.016	0.016	no	0.019
23	01/23/21	0.015	no	no	0.016	0.015	0.017	0.018
24	01/24/21	0.016	no	no	0.016	0.016	no	0.017
25	01/25/21	0.016	no	no	0.016	0.016	no	0.017
26	01/26/21	no	0.015	no	0.016	0.014	no	0.018
27	01/27/21	0.015	no	no	0.015	no	no	0.017
28	01/28/21	0.016	no	no	0.016	no	0.016	0.017
29	01/29/21	no	no	no	0.016	no	no	0.018
30	01/30/21	0.016	no	no	0.016	0.016	no	0.017
31	01/31/21	no	0.016	no	0.017	0.016	no	0.018

Slow Sand/ <u>Membrane</u> / DE Filtration/Unfiltered		Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings ≤ 1 NTU <u>Yes/ No</u>	CT's met everyday? (see back) <u>Yes/ No</u>	All CL2 residual at entry point > 0.2 mg/l? <u>Yes/ No</u>	
All turbidity readings < 5 NTU? <u>Yes/ No</u>	Notes		
Printed Name: Guy Davis		Date: 1, Feb, 21	
Signature: 		Opr. Cert. # 7126	
Phone #: (503) 397-1311			

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

January

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	01/01/21	17:59	0.65	112	72.8	13.6	7.1	22	Yes	2081
2	01/02/21	14:59	0.62	112	70.1	13.6	7.1	22	Yes	2078
3	01/03/21	8:59	0.58	111	64.5	13.4	7.1	21	Yes	2103
4	01/04/21	13:59	0.61	110	67.4	13.5	7.1	22	Yes	2126
5	01/05/21	2:59	0.60	111	67.0	13.5	7.0	21	Yes	2110
6	01/06/21	19:59	0.67	112	74.5	13.5	7.0	18	Yes	2095
7	01/07/21	10:59	0.63	111	69.7	13.4	7.1	22	Yes	2110
8	01/08/21	14:59	0.55	111	60.6	13.4	7.1	21	Yes	2106
9	01/09/21	11:59	0.68	110	74.8	13.3	7.1	22	Yes	2118
10	01/10/21	0:59	0.69	110	76.3	13.3	7.1	22	Yes	2122
11	01/11/21	18:59	0.69	112	77.4	13.4	7.1	22	Yes	2093
12	01/12/21	18:59	0.67	111	73.8	13.3	7.1	22	Yes	2110
13	01/13/21	19:59	0.66	108	71.9	13.1	7.1	22	Yes	2156
14	01/14/21	20:59	0.50	109	54.1	13.0	7.1	21	Yes	2144
15	01/15/21	23:59	0.46	108	49.4	12.9	7.1	21	Yes	2168
16	01/16/21	11:59	0.46	109	49.6	12.9	7.0	18	Yes	2149
17	01/17/21	11:59	0.50	108	54.2	13.0	6.9	18	Yes	2175
18	01/18/21	6:59	0.60	111	67.1	13.0	6.9	18	Yes	2107
19	01/19/21	2:59	0.61	112	68.4	13.1	7.0	18	Yes	2092
20	01/20/21	10:59	0.61	111	67.5	13.1	6.9	18	Yes	2099
21	01/21/21	4:59	0.64	112	71.7	13.1	7.0	18	Yes	2083
22	01/22/21	13:59	0.65	112	72.7	13.1	7.0	18	Yes	2083
23	01/23/21	14:59	0.67	112	75.1	13.2	7.0	18	Yes	2085
24	01/24/21	13:59	0.66	112	74.2	13.1	7.0	18	Yes	2082
25	01/25/21	1:59	0.67	113	75.4	13.1	7.0	18	Yes	2069
26	01/26/21	3:59	0.63	113	71.8	13.1	7.0	18	Yes	2066
27	01/27/21	1:59	0.71	113	79.7	13.0	7.0	18	Yes	2074
28	01/28/21	12:59	0.66	112	74.3	13.1	7.0	18	Yes	2080
29	01/29/21	11:59	0.69	112	76.4	13.0	7.1	22	Yes	2096
30	01/30/21	11:59	0.66	112	73.7	13.0	7.1	22	Yes	2080
31	01/31/21	14:59	0.61	113	69.1	13.1	7.0	18	Yes	2075

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