

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

March

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

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 turbidity readings < 5 NTU? Yes/No	All CL2 residual at entry point > 0.2 mg/l? Yes/No	
Notes	Printed Name: Guy Davis	
	Signature: <i>Guy Davis</i>	Date: 1 April 2021
	Phone #: (503) 397-1311	Opr. Cert. # 7126

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

March

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	03/01/21	22:59	0.66	112	73.6	12.9	7.0	18	Yes	2093
2	03/02/21	12:59	0.65	112	72.9	12.8	7.0	18	Yes	2082
3	03/03/21	13:59	0.64	113	71.9	12.8	7.0	18	Yes	2075
4	03/04/21	0:59	0.61	113	69.1	12.9	6.9	18	Yes	2069
5	03/05/21	11:59	0.64	112	71.9	12.8	7.0	18	Yes	2082
6	03/06/21	23:59	0.78	113	87.6	12.9	7.0	18	Yes	2076
7	03/07/21	14:59	0.68	114	76.9	12.9	6.9	18	Yes	2056
8	03/08/21	16:59	0.69	112	77.5	12.7	7.0	18	Yes	2089
9	03/09/21	7:59	0.68	101	69.1	12.9	7.0	18	Yes	2311
10	03/10/21	21:59	0.72	113	81.3	12.9	7.0	18	Yes	2073
11	03/11/21	0:59	0.65	114	73.9	13.0	7.0	18	Yes	2056
12	03/12/21	12:59	0.63	113	71.5	13.0	7.0	18	Yes	2065
13	03/13/21	14:59	0.60	112	67.5	12.9	7.0	18	Yes	2086
14	03/14/21	2:59	0.59	112	66.4	12.9	7.0	18	Yes	2079
15	03/15/21	15:59	0.65	113	73.0	12.8	7.0	18	Yes	2074
16	03/16/21	11:59	0.65	113	73.1	12.9	6.9	18	Yes	2064
17	03/17/21	13:59	0.66	114	75.3	12.9	7.1	22	Yes	2051
18	03/18/21	15:59	0.67	114	76.1	12.9	7.1	22	Yes	2058
19	03/19/21	11:59	0.63	114	71.6	13.0	7.1	22	Yes	2054
20	03/20/21	11:59	0.67	113	75.9	12.9	7.1	22	Yes	2076
21	03/21/21	14:59	0.66	114	75.5	12.9	7.1	22	Yes	2056
22	03/22/21	11:59	0.61	113	69.7	12.9	7.1	22	Yes	2061
23	03/23/21	4:59	0.73	115	83.9	12.9	7.1	22	Yes	2040
24	03/24/21	12:59	0.68	114	77.6	13.0	7.0	18	Yes	2049
25	03/25/21	23:59	0.67	114	76.8	13.0	7.1	22	Yes	2042
26	03/26/21	13:59	0.62	114	70.3	13.0	7.1	22	Yes	2052
27	03/27/21	11:59	0.72	113	81.9	13.1	7.1	22	Yes	2069
28	03/28/21	6:59	0.61	114	69.5	13.0	7.2	22	Yes	2049
29	03/29/21	7:59	0.65	113	73.8	12.8	7.1	22	Yes	2071
30	03/30/21	20:59	0.65	113	73.3	13.0	7.2	22	Yes	2068
31	03/31/21	11:59	0.75	114	85.8	12.9	7.2	22	Yes	2054

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