

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

October

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	10/01/21	0.020	no	0.021	0.019	no	no	0.021
2	10/02/21	0.020	no	no	0.020	no	0.021	0.022
3	10/03/21	0.019	no	no	0.020	no	no	0.021
4	10/04/21	0.020	no	0.020	0.019	0.020	no	0.021
5	10/05/21	0.020	no	no	0.019	no	0.019	0.020
6	10/06/21	0.019	no	no	0.019	no	no	0.020
7	10/07/21	0.020	no	0.020	0.020	0.020	no	0.020
8	10/08/21	0.020	no	no	0.020	no	no	0.020
9	10/09/21	0.020	0.019	no	0.019	0.020	no	0.020
10	10/10/21	0.019	no	no	0.019	0.020	no	0.020
11	10/11/21	no	0.019	no	no	0.020	no	0.020
12	10/12/21	0.020	0.020	no	0.021	0.021	no	0.021
13	10/13/21	0.022	no	no	0.020	0.021	no	0.022
14	10/14/21	no	no	0.020	no	0.020	0.020	0.023
15	10/15/21	no	no	0.020	no	no	0.019	0.020
16	10/16/21	no	no	0.020	0.021	0.020	no	0.021
17	10/17/21	no	0.020	no	no	0.020	no	0.020
18	10/18/21	no	0.020	0.019	no	no	0.020	0.021
19	10/19/21	no	no	0.021	0.021	no	0.021	0.022
20	10/20/21	0.020	no	no	0.020	no	no	0.022
21	10/21/21	0.020	no	0.021	0.020	0.020	no	0.021
22	10/22/21	0.020	no	no	0.020	no	no	0.021
23	10/23/21	0.019	no	no	0.020	0.020	no	0.020
24	10/24/21	0.020	no	no	no	0.020	0.019	0.020
25	10/25/21	no	0.019	no	no	0.019	no	0.021
26	10/26/21	no	0.019	no	0.019	0.019	no	0.020
27	10/27/21	no	0.020	0.019	no	no	0.019	0.020
28	10/28/21	no	no	0.019	0.019	no	0.020	0.020
29	10/29/21	0.019	no	no	0.019	no	0.019	0.020
30	10/30/21	0.019	no	no	0.020	no	no	0.021
31	10/31/21	0.019	no	no	0.019	0.019	0.019	0.021

Slow Sand/Membrane/DE Filtration/Unfiltered Monthly Summary (Answer Yes or No)

95% of daily turbidity readings ≤ 1 NTU <input checked="" type="radio"/> Yes / <input type="radio"/> No	CT's met everyday? (see back) <input checked="" type="radio"/> Yes / <input type="radio"/> No	All CL2 residual at entry point > 0.2 mg/l? <input checked="" type="radio"/> Yes / <input type="radio"/> No
All turbidity readings < 5 NTU? <input checked="" type="radio"/> Yes / <input type="radio"/> No		

Notes	Printed Name: Steve Wabschall
	Signature: <i>[Signature]</i> Date: 11/4/2021
	Phone #: (503) 397-1311 Opr. Cert. # 2265

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

October

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	10/01/21	9:59	0.63	117	73.6	15.0	7.3	14	Yes	2000
2	10/02/21	23:59	0.74	117	85.7	14.9	7.3	22	Yes	2006
3	10/03/21	16:59	0.68	116	78.8	14.9	7.3	22	Yes	2011
4	10/04/21	10:59	0.69	117	80.3	15.0	7.2	14	Yes	1995
5	10/05/21	22:59	0.67	115	77.4	15.0	7.2	14	Yes	2028
6	10/06/21	12:59	0.84	115	95.9	15.0	7.3	14	Yes	2042
7	10/07/21	13:59	0.71	115	81.5	14.9	7.3	22	Yes	2026
8	10/08/21	14:59	0.62	115	71.2	15.0	7.3	14	Yes	2030
9	10/09/21	13:59	0.67	116	78.1	15.0	7.3	14	Yes	2021
10	10/10/21	1:59	0.68	115	78.3	15.0	7.3	14	Yes	2028
11	10/11/21	5:59	0.67	116	77.4	14.9	7.3	22	Yes	2013
12	10/12/21	3:59	0.73	116	84.8	14.9	7.3	22	Yes	2012
13	10/13/21	2:59	0.17	116	19.8	15.0	7.4	14	Yes	2023
14	10/14/21	19:59	0.66	116	76.9	15.0	7.4	14	Yes	2018
15	10/15/21	19:59	0.66	115	75.5	15.0	7.4	14	Yes	2031
16	10/16/21	11:59	0.66	117	76.3	15.0	7.3	14	Yes	2007
17	10/17/21	6:59	0.64	117	74.2	15.0	7.3	14	Yes	2006
18	10/18/21	20:59	0.64	115	74.1	15.0	7.3	14	Yes	2032
19	10/19/21	20:59	0.69	116	79.7	15.0	7.4	14	Yes	2020
20	10/20/21	12:59	0.71	115	81.9	15.0	7.4	14	Yes	2033
21	10/21/21	11:59	0.60	116	69.7	15.0	7.4	14	Yes	2021
22	10/22/21	2:59	0.61	115	70.0	15.0	7.4	14	Yes	2039
23	10/23/21	12:59	0.64	115	73.1	15.0	7.3	14	Yes	2038
24	10/24/21	2:59	0.61	115	69.6	15.0	7.3	14	Yes	2037
25	10/25/21	16:59	0.64	115	73.3	15.0	7.3	14	Yes	2040
26	10/26/21	4:59	0.63	114	72.0	15.0	7.3	14	Yes	2050
27	10/27/21	6:59	0.66	115	76.1	15.0	7.3	14	Yes	2037
28	10/28/21	7:59	0.67	114	76.8	15.0	7.2	14	Yes	2045
29	10/29/21	11:59	0.61	114	69.0	15.0	7.2	14	Yes	2052
30	10/30/21	13:59	0.64	115	74.4	14.9	7.2	22	Yes	2024
31	10/31/21	11:59	0.63	115	72.1	14.9	7.2	22	Yes	2033

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