

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

June

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	06/01/21	0.017	no	0.016	0.017	no	0.017	0.019
2	06/02/21	0.017	0.016	no	0.017	no	0.016	0.018
3	06/03/21	0.017	0.016	0.016	no	no	0.016	0.018
4	06/04/21	0.017	0.016	0.016	no	no	0.016	0.018
5	06/05/21	0.017	0.017	0.016	no	no	0.016	0.017
6	06/06/21	0.017	0.016	0.016	no	no	0.016	0.017
7	06/07/21	0.017	0.017	0.015	0.016	no	0.016	0.021
8	06/08/21	0.017	no	0.015	0.016	no	0.016	0.017
9	06/09/21	0.017	no	0.016	no	no	0.016	0.017
10	06/10/21	0.017	no	0.016	0.016	no	0.016	0.017
11	06/11/21	0.017	no	0.017	0.016	no	0.016	0.017
12	06/12/21	0.017	no	0.015	0.016	no	no	0.017
13	06/13/21	0.017	no	no	0.021	no	no	0.021
14	06/14/21	0.017	no	no	0.017	no	0.018	0.018
15	06/15/21	0.017	no	0.018	no	0.017	no	0.018
16	06/16/21	0.016	no	0.017	0.017	0.018	no	0.019
17	06/17/21	no	0.018	0.017	no	0.018	0.017	0.018
18	06/18/21	0.017	no	0.017	0.017	no	0.017	0.018
19	06/19/21	0.017	0.017	no	0.017	0.017	0.017	0.018
20	06/20/21	no	0.017	no	0.018	0.018	0.018	0.018
21	06/21/21	0.018	no	0.017	0.018	0.017	no	0.018
22	06/22/21	0.019	0.017	0.017	0.017	no	0.017	0.019
23	06/23/21	0.017	no	0.017	0.017	0.018	0.017	0.018
24	06/24/21	no	no	0.017	0.017	0.018	0.017	0.018
25	06/25/21	0.017	no	0.017	0.018	0.018	0.018	0.018
26	06/26/21	0.018	0.018	0.018	0.018	0.018	0.018	0.018
27	06/27/21	0.018	no	0.018	0.019	0.018	0.018	0.019
28	06/28/21	0.018	0.018	0.018	0.018	0.018	0.018	0.019
29	06/29/21	0.017	0.017	0.017	0.018	0.018	0.018	0.018
30	06/30/21	no	0.017	0.143	0.018	0.017	0.017	1.000

Slow Sand/ <u>Membrane</u> /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>Steve Wabschall</i> Date: 7/1/2021	
	Phone #: (503) 397-1311	Opr. Cert. # 2265

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

June

Year:

2021

DAY	DATE	Time of Peak Flow	Minimum Chlorine Residual (mg/L) C [AIT-47051]	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	06/01/21	14:59	0.67	80	53.7	13.4	7.2	22	Yes	2917
2	06/02/21	12:59	0.63	116	73.1	13.4	7.2	22	Yes	2016
3	06/03/21	19:59	0.65	114	73.6	13.4	7.2	22	Yes	2052
4	06/04/21	8:59	0.68	115	78.4	13.4	7.2	22	Yes	2028
5	06/05/21	17:59	0.70	114	79.8	13.4	7.3	22	Yes	2050
6	06/06/21	18:59	0.62	113	70.4	13.4	7.3	22	Yes	2072
7	06/07/21	9:59	0.61	112	68.1	13.5	7.2	22	Yes	2083
8	06/08/21	7:59	0.58	116	66.9	13.6	7.2	21	Yes	2015
9	06/09/21	18:59	0.68	113	77.5	13.6	7.2	22	Yes	2062
10	06/10/21	12:59	0.64	116	74.6	13.5	7.2	22	Yes	2012
11	06/11/21	11:59	0.69	115	79.5	13.5	7.2	22	Yes	2029
12	06/12/21	15:59	0.65	94	61.1	13.6	7.2	22	Yes	2497
13	06/13/21	14:59	0.53	65	34.8	13.2	7.1	21	Yes	3576
14	06/14/21	22:59	0.76	113	85.4	13.5	7.2	22	Yes	2071
15	06/15/21	8:59	0.63	113	71.4	13.6	7.2	22	Yes	2063
16	06/16/21	1:59	0.73	113	82.0	13.5	7.2	22	Yes	2073
17	06/17/21	8:59	0.73	114	83.0	13.5	7.2	22	Yes	2051
18	06/18/21	16:59	0.66	85	56.1	13.5	7.2	22	Yes	2751
19	06/19/21	13:59	0.58	115	66.8	13.5	7.2	21	Yes	2040
20	06/20/21	16:59	0.63	115	72.7	13.5	7.1	22	Yes	2035
21	06/21/21	8:59	0.60	115	68.4	13.6	7.1	21	Yes	2039
22	06/22/21	21:59	0.58	115	66.9	13.5	7.1	21	Yes	2035
23	06/23/21	8:59	0.59	113	66.8	13.6	7.1	21	Yes	2060
24	06/24/21	8:59	0.56	114	63.4	13.6	7.1	21	Yes	2049
25	06/25/21	13:59	0.59	109	64.4	13.6	7.1	21	Yes	2141
26	06/26/21	17:59	0.62	99	61.8	13.7	7.1	22	Yes	2351
27	06/27/21	21:59	0.59	98	57.9	13.7	7.1	21	Yes	2394
28	06/28/21	16:59	0.60	106	63.6	13.8	7.1	22	Yes	2201
29	06/29/21	15:59	0.66	114	75.4	13.7	7.1	22	Yes	2054
30	06/30/21	10:59	0.64	112	72.0	13.8	7.2	22	Yes	2082

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