

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

May

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	05/01/21	0.016	no	no	0.016	no	0.018	0.018
2	05/02/21	0.016	no	no	0.016	no	no	0.019
3	05/03/21	0.016	no	no	0.016	no	no	0.018
4	05/04/21	0.016	no	0.016	0.016	no	no	0.018
5	05/05/21	0.016	no	no	0.016	no	0.017	0.018
6	05/06/21	0.016	no	no	0.016	no	no	0.018
7	05/07/21	0.016	no	0.016	0.018	no	0.017	0.018
8	05/08/21	no	no	0.017	0.016	no	0.016	0.017
9	05/09/21	0.016	no	no	0.016	no	no	0.018
10	05/10/21	0.016	no	0.016	0.016	no	0.018	0.018
11	05/11/21	0.016	no	0.017	0.016	0.017	no	0.017
12	05/12/21	no	0.016	no	0.017	0.017	0.016	0.018
13	05/13/21	no	0.018	0.016	no	0.017	0.017	0.018
14	05/14/21	no	0.016	0.016	no	0.017	no	0.018
15	05/15/21	no	0.017	no	0.016	0.018	no	0.020
16	05/16/21	0.016	0.016	no	0.017	0.017	no	0.017
17	05/17/21	0.017	0.016	no	0.016	0.017	no	0.025
18	05/18/21	0.015	0.016	no	0.019	0.017	no	0.019
19	05/19/21	0.016	0.016	no	0.016	no	no	0.017
20	05/20/21	0.016	no	no	0.016	no	0.016	0.017
21	05/21/21	0.016	no	0.016	0.016	no	0.018	0.018
22	05/22/21	0.016	no	no	0.016	no	no	0.018
23	05/23/21	0.016	0.016	no	0.016	no	no	0.017
24	05/24/21	0.016	no	no	0.016	0.016	no	0.017
25	05/25/21	0.016	no	0.018	0.016	no	0.016	0.018
26	05/26/21	0.016	no	0.017	0.016	no	0.017	0.018
27	05/27/21	0.017	no	0.016	0.016	no	0.016	0.018
28	05/28/21	no	no	0.016	no	0.017	0.016	0.017
29	05/29/21	no	no	0.016	no	no	0.017	0.018
30	05/30/21	0.016	no	no	0.017	no	0.018	0.018
31	05/31/21	0.016	0.016	no	0.017	0.017	0.017	0.018

Slow Sand/ <u>Membrane</u> /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 CL2 residual at entry point > 0.2 mg/l? Yes/ No
All turbidity readings < 5 NTU? Yes/ No		
Notes	Printed Name: Steven Wabshall	
	Signature: <i>Steven Wabshall</i>	Date: 6/3/2021
	Phone #: (503) 397-1311	Opr. Cert. # T-2265

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

May

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	05/01/21	22:59	0.63	113	71.0	13.2	7.2	22	Yes	2072
2	05/02/21	15:59	0.71	113	80.7	13.2	7.2	22	Yes	2063
3	05/03/21	12:59	0.72	113	81.8	13.2	7.2	22	Yes	2060
4	05/04/21	12:59	0.70	113	79.4	13.3	7.2	22	Yes	2060
5	05/05/21	0:59	0.60	113	67.6	13.2	7.2	22	Yes	2063
6	05/06/21	12:59	0.64	113	72.0	13.2	7.2	22	Yes	2076
7	05/07/21	9:59	0.65	114	74.0	13.2	7.3	22	Yes	2050
8	05/08/21	12:59	0.67	112	75.6	13.2	7.3	22	Yes	2080
9	05/09/21	15:59	0.74	113	83.1	13.2	7.3	22	Yes	2073
10	05/10/21	8:59	0.68	113	76.5	13.2	7.3	22	Yes	2074
11	05/11/21	16:59	0.64	113	72.3	13.3	7.3	22	Yes	2062
12	05/12/21	17:59	0.61	112	68.5	13.3	7.2	22	Yes	2095
13	05/13/21	6:59	0.64	112	72.5	13.3	7.3	22	Yes	2079
14	05/14/21	3:59	0.64	113	73.0	13.3	7.3	22	Yes	2064
15	05/15/21	18:59	0.63	114	71.9	13.3	7.2	22	Yes	2050
16	05/16/21	13:59	0.61	114	69.2	13.3	7.2	22	Yes	2047
17	05/17/21	14:59	0.60	114	68.5	13.3	7.2	22	Yes	2058
18	05/18/21	13:59	0.62	112	69.3	13.3	7.2	22	Yes	2089
19	05/19/21	11:59	0.68	113	76.8	13.3	7.2	22	Yes	2068
20	05/20/21	11:59	0.65	112	72.5	13.3	7.2	22	Yes	2083
21	05/21/21	11:59	0.66	114	75.6	13.3	7.2	22	Yes	2056
22	05/22/21	0:59	0.64	114	72.3	13.3	7.2	22	Yes	2057
23	05/23/21	14:59	0.61	114	69.5	13.3	7.3	22	Yes	2055
24	05/24/21	3:59	0.65	113	73.4	13.3	7.3	22	Yes	2065
25	05/25/21	1:59	0.67	114	76.2	13.3	7.3	22	Yes	2052
26	05/26/21	10:59	0.72	113	81.6	13.3	7.3	22	Yes	2069
27	05/27/21	20:59	0.67	112	75.2	13.3	7.3	22	Yes	2082
28	05/28/21	9:59	0.65	115	75.0	13.4	7.2	22	Yes	2038
29	05/29/21	14:59	0.65	83	53.9	13.4	7.3	22	Yes	2824
30	05/30/21	11:59	0.69	114	78.9	13.4	7.3	22	Yes	2051
31	05/31/21	14:59	0.68	114	77.0	13.4	7.2	22	Yes	2058

Notes:

Page 2 of 2

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot