

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

April

2023

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	04/01/23	no	0.015	no	no	0.016	no	0.016
2	04/02/23	0.016	0.016	no	0.017	0.016	no	0.017
3	04/03/23	0.017	no	no	0.016	0.016	no	0.017
4	04/04/23	0.017	no	no	0.016	no	no	0.017
5	04/05/23	0.016	no	no	0.016	no	no	0.016
6	04/06/23	0.016	no	0.020	0.018	no	no	0.020
7	04/07/23	0.017	0.016	no	no	no	0.016	0.017
8	04/08/23	no	no	0.016	0.016	no	0.016	0.016
9	04/09/23	0.016	no	no	0.015	no	no	0.016
10	04/10/23	0.015	no	no	0.015	no	no	0.015
11	04/11/23	0.016	no	no	0.016	no	0.027	0.016
12	04/12/23	0.016	no	no	0.015	no	no	0.016
13	04/13/23	0.015	no	no	0.015	no	no	0.015
14	04/14/23	0.015	no	no	0.016	no	0.016	0.016
15	04/15/23	0.015	no	no	0.015	no	no	0.015
16	04/16/23	0.016	no	no	0.016	no	no	0.016
17	04/17/23	0.016	no	no	0.015	0.015	no	0.016
18	04/18/23	0.015	no	no	0.015	no	no	0.015
19	04/19/23	0.016	no	no	0.015	0.016	no	0.016
20	04/20/23	no	no	no	0.016	0.016	no	0.016
21	04/21/23	no	0.015	no	0.015	0.016	no	0.016
22	04/22/23	0.015	no	no	0.016	no	no	0.016
23	04/23/23	0.015	no	no	0.016	0.016	no	0.016
24	04/24/23	no	0.015	no	no	0.016	0.015	0.016
25	04/25/23	no	no	0.015	0.015	no	0.016	0.016
26	04/26/23	no	no	0.015	0.015	no	0.016	0.016
27	04/27/23	0.015	0.016	no	0.016	0.016	no	0.016
28	04/28/23	0.017	no	no	0.016	0.016	no	0.017
29	04/29/23	no	0.016	no	no	0.016	0.020	0.020
30	04/30/23	no	no	0.016	0.016	no	0.016	0.016
31		no	no	no	no	no	no	

Slow Sand/Membrane/DE Filtration/Unfiltered	Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings \leq 1 NTU <input checked="" type="radio"/> Yes / No	CT's met everyday? (see back) <input checked="" type="radio"/> Yes / No	All CL2 residual at entry point > 0.2 mg/l? <input checked="" type="radio"/> Yes / No
All turbidity readings < 5 NTU? <input checked="" type="radio"/> Yes / No		
Notes	Printed Name: Steve Wabschall	
	Signature: <i>Steve Wabschall</i>	Date: 5/9/2023
	Phone #: (503) 397-1311	Opr. Cert. # 2265

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

April

Year:

2023

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-4713]	Required CT from tables (0.5-log)	CT Met? Yes/No	Peak Hourly Demand Flow (GPM)
1	04/01/23	16:59	0.78	116	89.7	12.9	7.3	22	Yes	2021
2	04/02/23	14:59	0.78	116	90.8	12.9	7.4	22	Yes	2008
3	04/03/23	12:59	0.76	116	87.9	12.9	7.4	22	Yes	2021
4	04/04/23	15:59	0.74	115	85.3	12.9	7.5	22	Yes	2025
5	04/05/23	23:59	0.72	115	82.9	12.9	7.5	22	Yes	2036
6	04/06/23	13:59	0.72	116	83.6	12.9	7.5	22	Yes	2012
7	04/07/23	22:59	0.72	116	83.0	13.0	7.5	22	Yes	2017
8	04/08/23	22:59	0.70	115	80.9	12.9	7.8	26	Yes	2032
9	04/09/23	14:59	0.70	115	80.3	12.9	7.5	22	Yes	2033
10	04/10/23	11:59	0.69	115	80.0	12.9	7.5	22	Yes	2029
11	04/11/23	15:59	0.69	115	79.2	12.8	7.6	26	Yes	2037
12	04/12/23	15:59	0.68	114	77.6	12.8	7.8	26	Yes	2051
13	04/13/23	11:59	0.68	114	77.5	12.8	7.6	26	Yes	2048
14	04/14/23	13:59	0.69	112	76.8	12.9	7.3	22	Yes	2092
15	04/15/23	12:59	0.70	114	79.9	12.9	7.3	22	Yes	2044
16	04/16/23	12:59	0.70	115	80.4	12.9	7.3	22	Yes	2031
17	04/17/23	12:59	0.69	114	79.3	12.9	7.3	22	Yes	2046
18	04/18/23	13:59	0.69	115	79.5	12.8	7.4	22	Yes	2038
19	04/19/23	17:59	0.68	115	78.2	13.0	7.4	22	Yes	2040
20	04/20/23	4:59	0.68	114	77.1	12.9	7.4	22	Yes	2051
21	04/21/23	16:59	0.68	115	78.2	12.9	7.3	22	Yes	2031
22	04/22/23	15:59	0.69	114	79.0	13.0	7.3	22	Yes	2043
23	04/23/23	0:59	0.69	113	78.1	13.0	7.3	22	Yes	2064
24	04/24/23	15:59	0.69	114	78.9	13.0	7.3	22	Yes	2046
25	04/25/23	9:59	0.69	116	79.6	12.9	7.4	22	Yes	2022
26	04/26/23	11:59	0.69	115	79.7	13.0	7.4	22	Yes	2031
27	04/27/23	6:59	0.69	115	79.0	13.0	7.4	22	Yes	2030
28	04/28/23	12:59	0.69	115	79.1	13.1	7.2	22	Yes	2039
29	04/29/23	7:59	0.69	115	79.0	13.1	7.4	22	Yes	2030
30	04/30/23	12:59	0.67	115	77.4	13.1	7.4	22	Yes	2028

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