

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


Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

June

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	06/01/23	0.018	no	0.018	0.018	0.018	0.018	0.018
2	06/02/23	0.020	0.018	no	0.018	0.018	0.018	0.020
3	06/03/23	0.018	no	0.018	0.018	0.019	0.018	0.019
4	06/04/23	no	no	0.018	0.018	0.018	0.018	0.018
5	06/05/23	no	no	0.018	0.018	0.018	0.018	0.018
6	06/06/23	0.018	no	0.018	0.019	0.019	0.018	0.019
7	06/07/23	0.019	no	0.018	0.018	0.018	0.019	0.019
8	06/08/23	no	no	0.018	0.018	0.018	0.018	0.018
9	06/09/23	no	0.019	0.018	0.018	no	no	0.019
10	06/10/23	0.018	no	0.019	0.018	0.018	0.018	0.019
11	06/11/23	no	0.017	0.018	0.018	0.018	0.018	0.018
12	06/12/23	0.018	no	0.018	0.019	0.022	0.019	0.022
13	06/13/23	no	no	0.018	0.018	0.018	0.018	0.018
14	06/14/23	no	0.018	0.018	0.018	0.018	no	0.018
15	06/15/23	0.018	no	0.018	0.018	0.018	0.018	0.018
16	06/16/23	no	0.019	0.018	0.018	0.018	0.018	0.019
17	06/17/23	no	0.019	0.018	0.018	0.018	no	0.019
18	06/18/23	no	0.018	no	0.018	0.018	0.018	0.018
19	06/19/23	no	0.017	0.018	no	0.020	0.018	0.020
20	06/20/23	no	no	0.020	no	no	0.019	0.020
21	06/21/23	0.018	no	0.019	0.018	no	0.019	0.019
22	06/22/23	0.018	0.018	no	0.018	0.018	0.018	0.018
23	06/23/23	0.018	no	0.017	0.018	no	0.019	0.019
24	06/24/23	0.018	0.017	no	0.017	0.018	0.017	0.018
25	06/25/23	no	no	0.017	0.018	0.019	0.018	0.019
26	06/26/23	0.018	no	0.017	0.018	0.018	0.018	0.018
27	06/27/23	0.019	no	0.018	0.018	no	0.018	0.019
28	06/28/23	0.018	0.018	0.017	no	0.019	0.019	0.019
29	06/29/23	0.019	0.018	no	0.019	0.019	0.018	0.019
30	06/30/23	0.019	0.018	0.019	no	0.019	0.018	0.019
31		no	no	no	no	no	no	

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: Aaron Kunders		
Signature: 		Date: 7/5/23
Phone #: (503) 397-1311		Opr. Cert. # 684854

**OHA - Drinking Water Program - Surface Water Quality Data Form**

**St Helens Oregon**

**PWS#4100724 WFP - A**

Month:

**June**

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	06/01/23	11:59	0.73	114	83.2	13.7	7.3	22	Yes	2044
2	06/02/23	5:59	0.72	114	82.3	13.7	7.3	22	Yes	2056
3	06/03/23	9:59	0.71	114	81.0	13.7	7.4	22	Yes	2042
4	06/04/23	7:59	0.71	114	80.5	13.7	7.4	22	Yes	2057
5	06/05/23	8:59	0.70	115	80.9	13.7	7.4	22	Yes	2031
6	06/06/23	10:59	0.71	114	80.5	13.7	7.5	22	Yes	2049
7	06/07/23	9:59	0.70	114	80.1	13.7	7.5	22	Yes	2055
8	06/08/23	7:59	0.70	115	80.0	13.7	7.5	22	Yes	2033
9	06/09/23	6:59	0.69	115	79.1	13.7	7.5	22	Yes	2031
10	06/10/23	2:59	0.69	115	78.9	13.7	7.4	22	Yes	2035
11	06/11/23	6:59	0.69	116	80.0	13.7	7.3	22	Yes	2020
12	06/12/23	14:59	0.70	116	81.3	13.7	7.2	22	Yes	2009
13	06/13/23	9:59	0.70	117	81.7	13.7	7.3	22	Yes	2003
14	06/14/23	5:59	0.69	116	80.2	13.7	7.3	22	Yes	2024
15	06/15/23	14:59	0.69	117	81.1	13.6	7.3	22	Yes	2000
16	06/16/23	7:59	0.69	117	80.4	13.7	7.4	22	Yes	2005
17	06/17/23	6:59	0.68	117	80.4	13.7	7.4	22	Yes	1992
18	06/18/23	3:59	0.69	116	80.7	13.7	7.3	22	Yes	2013
19	06/19/23	8:59	0.63	116	73.3	13.7	7.3	22	Yes	2013
20	06/20/23	9:59	0.68	116	79.4	13.7	7.4	22	Yes	2012
21	06/21/23	14:59	0.68	117	79.9	13.7	7.3	22	Yes	2000
22	06/22/23	15:59	0.68	117	79.8	13.7	7.3	22	Yes	2003
23	06/23/23	9:59	0.69	117	80.5	13.7	7.3	22	Yes	1996
24	06/24/23	12:59	0.67	117	78.7	13.7	7.2	22	Yes	2002
25	06/25/23	9:59	0.69	117	81.0	13.7	7.2	22	Yes	1993
26	06/26/23	9:59	0.69	118	81.3	13.6	7.2	22	Yes	1979
27	06/27/23	9:59	0.69	118	81.3	13.6	7.3	22	Yes	1975
28	06/28/23	16:59	0.69	118	81.9	13.7	7.3	22	Yes	1982
29	06/29/23	13:59	0.68	119	80.8	13.7	7.4	22	Yes	1965
30	06/30/23	16:59	0.68	119	81.0	13.7	7.4	22	Yes	1965

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot