

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A September 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	09/01/21	no	0.021	0.021	no	0.021	0.021	0.021
2	09/02/21	0.021	no	no	no	0.021	0.022	0.022
3	09/03/21	0.022	0.022	no	no	no	no	0.022
4	09/04/21	no	no	no	no	no	0.022	0.022
5	09/05/21	0.022	no	no	0.022	0.022	0.022	0.022
6	09/06/21	no	0.020	0.021	0.021	0.021	0.021	0.021
7	09/07/21	no	no	no	0.020	no	0.021	0.021
8	09/08/21	no	0.021	0.020	no	0.023	0.021	0.023
9	09/09/21	0.021	no	no	0.021	0.021	no	0.022
10	09/10/21	0.020	0.020	no	0.020	0.020	no	0.021
11	09/11/21	0.020	0.020	no	0.020	0.020	no	0.021
12	09/12/21	no	0.020	no	0.021	0.020	0.020	0.021
13	09/13/21	no	0.021	0.020	0.020	0.021	no	0.021
14	09/14/21	0.020	no	0.021	0.020	0.020	0.021	0.021
15	09/15/21	no	no	0.020	no	no	0.020	0.021
16	09/16/21	0.020	no	0.021	0.020	no	0.021	0.021
17	09/17/21	0.020	no	no	0.020	no	no	0.021
18	09/18/21	0.020	no	no	0.020	no	no	0.021
19	09/19/21	0.020	no	no	0.020	0.020	no	0.021
20	09/20/21	no	0.021	0.020	no	0.021	0.020	0.021
21	09/21/21	no	no	0.020	no	no	0.021	0.022
22	09/22/21	no	no	0.020	0.020	no	no	0.021
23	09/23/21	0.020	no	no	0.020	no	0.021	0.022
24	09/24/21	0.020	no	no	0.020	no	0.022	0.022
25	09/25/21	0.021	no	0.020	0.021	no	no	0.022
26	09/26/21	0.020	no	no	0.020	0.020	0.020	0.022
27	09/27/21	no	no	0.020	no	no	0.020	0.021
28	09/28/21	no	no	0.020	0.020	no	no	0.020
29	09/29/21	0.020	no	no	0.018	no	0.019	0.020
30	09/30/21	0.019	no	no	0.019	no	0.020	0.020
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? 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: Steve Wabschall	
	Signature: <i>Steve Wabschall</i>	Date: 10/6/2021
	Phone #: (503) 397-1311	Opr. Cert. # 2265

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

September

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	09/01/21	12:59	0.74	95	69.9	14.7	7.1	22	Yes	2467
2	09/02/21	15:59	0.75	84	63.0	14.7	7.1	22	Yes	2783
3	09/03/21	13:59	0.75	85	64.1	14.7	7.1	22	Yes	2750
4	09/04/21	16:59	0.74	84	62.0	14.7	7.1	22	Yes	2800
5	09/05/21	10:59	0.74	86	62.9	14.8	7.1	22	Yes	2733
6	09/06/21	10:59	0.73	97	71.2	14.8	7.1	22	Yes	2400
7	09/07/21	10:59	0.71	97	68.2	14.7	7.1	22	Yes	2417
8	09/08/21	6:59	0.63	117	73.9	14.7	7.2	22	Yes	1996
9	09/09/21	11:59	0.71	117	83.2	14.7	7.2	22	Yes	2002
10	09/10/21	15:59	0.65	117	76.0	14.8	7.1	22	Yes	1993
11	09/11/21	0:59	0.64	117	74.9	14.8	7.1	22	Yes	2003
12	09/12/21	12:59	0.66	116	76.1	14.8	7.1	22	Yes	2021
13	09/13/21	6:59	0.76	117	89.0	14.8	7.2	22	Yes	1997
14	09/14/21	10:59	0.65	117	76.4	14.8	7.1	22	Yes	1993
15	09/15/21	7:59	0.65	116	75.3	14.8	7.2	22	Yes	2022
16	09/16/21	10:59	0.63	115	72.5	14.8	7.3	22	Yes	2027
17	09/17/21	23:59	0.65	115	74.9	14.8	7.2	22	Yes	2029
18	09/18/21	0:59	0.72	116	83.9	14.9	7.2	22	Yes	2010
19	09/19/21	14:59	0.66	116	76.2	14.9	7.2	22	Yes	2017
20	09/20/21	9:59	0.66	115	75.5	14.9	7.2	22	Yes	2036
21	09/21/21	21:59	0.61	116	70.7	14.9	7.2	22	Yes	2015
22	09/22/21	10:59	0.66	116	76.5	15.0	7.3	14	Yes	2014
23	09/23/21	11:59	0.72	116	83.1	14.9	7.3	22	Yes	2018
24	09/24/21	11:59	0.63	116	72.8	14.9	7.2	22	Yes	2021
25	09/25/21	10:59	0.70	115	81.2	15.0	7.2	14	Yes	2026
26	09/26/21	11:59	0.67	116	78.1	15.0	7.3	14	Yes	2015
27	09/27/21	7:59	0.64	114	73.4	14.9	7.3	22	Yes	2043
28	09/28/21	7:59	0.65	116	75.3	15.0	7.2	14	Yes	2022
29	09/29/21	12:59	0.65	116	75.7	14.9	7.3	22	Yes	2019
30	09/30/21	22:59	0.61	115	69.9	15.0	7.3	14	Yes	2042

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot