

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

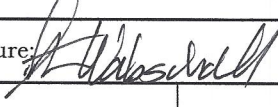
Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

August

2022

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	08/01/22	0.015	0.015	no	0.015	0.015	0.015	0.015
2	08/02/22	no	no	0.014	0.014	0.015	0.015	0.015
3	08/03/22	no	0.016	0.014	0.015	0.015	no	0.016
4	08/04/22	0.014	no	0.015	0.014	0.014	0.014	0.015
5	08/05/22	no	0.014	0.014	0.014	0.014	no	0.014
6	08/06/22	0.014	no	0.014	0.014	0.014	0.014	0.014
7	08/07/22	0.014	no	0.014	0.015	0.014	0.014	0.015
8	08/08/22	0.015	no	0.014	0.015	0.015	0.015	0.015
9	08/09/22	no	no	0.014	0.014	0.014	no	0.014
10	08/10/22	0.016	0.014	no	0.015	0.015	0.014	0.016
11	08/11/22	no	0.014	0.014	0.014	no	no	0.014
12	08/12/22	0.014	no	0.015	0.015	0.015	0.015	0.015
13	08/13/22	no	0.014	0.015	0.014	no	0.015	0.015
14	08/14/22	0.014	no	0.015	0.015	0.015	0.015	0.015
15	08/15/22	0.015	no	0.014	0.015	0.015	0.015	0.015
16	08/16/22	no	0.015	0.015	0.015	0.015	0.015	0.015
17	08/17/22	no	no	0.014	0.015	0.015	0.015	0.015
18	08/18/22	0.015	0.015	0.016	0.015	0.015	0.015	0.016
19	08/19/22	0.015	no	0.015	0.015	0.015	0.015	0.015
20	08/20/22	no	0.017	0.015	0.015	no	0.016	0.017
21	08/21/22	0.014	no	0.015	0.015	0.015	0.015	0.015
22	08/22/22	no	no	0.015	0.015	0.015	0.029	0.029
23	08/23/22	no	no	0.014	0.014	0.014	0.013	0.014
24	08/24/22	0.013	no	0.014	0.014	0.013	no	0.014
25	08/25/22	0.014	no	0.014	0.014	no	0.015	0.015
26	08/26/22	no	no	0.013	0.013	no	0.014	0.014
27	08/27/22	no	no	0.014	0.014	no	0.013	0.014
28	08/28/22	no	no	0.013	no	0.014	no	0.014
29	08/29/22	no	no	0.014	0.014	0.014	no	0.014
30	08/30/22	0.014	no	0.014	0.014	no	0.015	0.015
31	08/31/22	no	0.014	0.014	no	0.015	no	0.015

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: Steve Wabschall		
Signature: 		Date: 9/8/2022
Phone #: (503) 397-1311		Opr. Cert. # 2265

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

August

Year:

2022

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	08/01/22	12:59	0.75	116	86.4	13.8	7.2	22	Yes	2018
2	08/02/22	7:59	0.70	115	80.6	13.9	7.2	22	Yes	2026
3	08/03/22	11:59	0.70	116	80.6	13.9	7.2	22	Yes	2016
4	08/04/22	11:59	0.74	116	85.6	13.8	7.2	22	Yes	2008
5	08/05/22	6:59	0.78	117	91.2	13.9	7.2	22	Yes	2006
6	08/06/22	9:59	0.77	115	88.9	13.9	7.2	22	Yes	2028
7	08/07/22	9:59	0.78	116	90.4	13.9	7.2	22	Yes	2014
8	08/08/22	9:59	0.76	116	88.3	13.9	7.2	22	Yes	2014
9	08/09/22	7:59	0.75	116	87.1	13.9	7.3	22	Yes	2016
10	08/10/22	16:59	0.76	115	87.6	14.0	7.3	22	Yes	2031
11	08/11/22	5:59	0.75	115	86.3	14.0	7.3	22	Yes	2027
12	08/12/22	3:59	0.86	116	99.9	14.0	7.3	22	Yes	2024
13	08/13/22	5:59	0.84	116	97.1	14.1	7.3	22	Yes	2022
14	08/14/22	11:59	0.83	115	94.8	14.1	7.3	22	Yes	2041
15	08/15/22	11:59	0.84	116	98.3	14.1	7.3	22	Yes	2010
16	08/16/22	8:59	0.67	116	77.1	14.2	7.3	22	Yes	2020
17	08/17/22	12:59	0.64	117	74.7	14.2	7.3	22	Yes	2002
18	08/18/22	10:59	0.76	117	88.5	14.1	7.3	22	Yes	1999
19	08/19/22	9:59	0.82	116	95.0	14.2	7.3	22	Yes	2012
20	08/20/22	6:59	0.82	117	95.5	14.2	7.3	22	Yes	1998
21	08/21/22	9:59	0.79	116	91.9	14.2	7.3	22	Yes	2022
22	08/22/22	11:59	0.82	117	95.7	14.2	7.3	22	Yes	1994
23	08/23/22	10:59	0.79	90	70.9	12.8	7.2	22	Yes	2602
24	08/24/22	9:59	0.78	86	67.2	12.7	7.2	22	Yes	2713
25	08/25/22	21:59	0.72	84	60.7	13.4	7.2	22	Yes	2785
26	08/26/22	21:59	0.72	86	62.4	13.4	7.2	22	Yes	2704
27	08/27/22	21:59	0.69	87	60.3	13.4	7.2	22	Yes	2692
28	08/28/22	14:59	0.70	87	60.7	13.4	7.2	22	Yes	2699
29	08/29/22	10:59	0.71	86	60.8	13.5	7.2	22	Yes	2723
30	08/30/22	9:59	0.69	86	59.4	13.5	7.2	22	Yes	2714
31	08/31/22	5:59	0.75	85	63.8	13.5	7.2	22	Yes	2756

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons ¹

¹ 25.2' Pause level multiplied by 17155 gal/foot