

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

July

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	07/01/22	0.015	no	0.015	0.015	0.016	0.015	0.016
2	07/02/22	0.015	no	0.015	0.015	no	0.015	0.016
3	07/03/22	0.015	0.015	no	0.015	0.015	0.015	0.015
4	07/04/22	0.015	no	0.015	0.015	0.015	0.015	0.015
5	07/05/22	0.014	0.015	no	0.015	0.015	0.015	0.015
6	07/06/22	0.015	0.015	no	0.014	0.015	no	0.015
7	07/07/22	0.014	0.014	no	0.015	0.015	0.015	0.015
8	07/08/22	no	no	0.018	0.015	no	0.016	0.018
9	07/09/22	0.015	no	no	0.015	no	0.016	0.018
10	07/10/22	0.015	no	no	0.015	0.015	0.015	0.015
11	07/11/22	no	0.016	0.015	0.015	no	0.016	0.017
12	07/12/22	0.016	0.016	no	0.015	0.016	0.017	0.017
13	07/13/22	0.015	0.015	no	0.015	0.015	0.016	0.017
14	07/14/22	0.015	0.015	no	0.015	0.016	no	0.016
15	07/15/22	0.016	0.015	no	0.016	0.016	0.016	0.016
16	07/16/22	no	0.015	0.016	no	0.016	0.016	0.017
17	07/17/22	no	no	0.015	no	0.016	0.015	0.016
18	07/18/22	0.015	no	no	0.015	no	0.016	0.016
19	07/19/22	0.015	0.015	no	0.016	0.016	0.016	0.016
20	07/20/22	no	no	0.015	0.016	no	0.016	0.017
21	07/21/22	0.016	0.015	no	0.016	0.016	0.016	0.016
22	07/22/22	no	0.015	0.015	no	0.016	0.016	0.016
23	07/23/22	0.015	no	no	0.015	0.015	0.015	0.016
24	07/24/22	0.015	no	0.015	0.015	0.016	0.016	0.016
25	07/25/22	0.016	0.015	0.016	0.016	no	0.016	0.017
26	07/26/22	0.015	0.015	no	0.015	0.015	0.015	0.015
27	07/27/22	0.015	no	0.015	0.015	0.015	0.015	0.015
28	07/28/22	0.015	no	0.015	0.015	0.015	0.015	0.016
29	07/29/22	0.015	no	0.014	0.017	0.015	no	0.017
30	07/30/22	0.016	0.014	0.015	0.015	no	0.014	0.016
31	07/31/22	no	0.016	0.015	0.015	0.015	0.015	0.016

Slow Sand/Membrane/DE Filtration/Unfiltered

Monthly Summary (Answer Yes or No)

95% of daily turbidity readings \leq 1 NTU **Yes** / No
 All turbidity readings < 5 NTU? **Yes** / No

CT's met everyday? (see back) **Yes** / No

All CL2 residual at entry point > 0.2 mg/l? **Yes** / No

Notes

Printed Name: Steve Wabschall

Signature: *[Handwritten Signature]*

Date: 8/5/2022

Phone #: (503) 397-1311

Opr. Cert. # 2265

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

July

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	07/01/22	11:59	0.74	144	107.0	12.8	7.1	22	Yes	1620
2	07/02/22	21:59	0.72	146	105.2	12.9	7.1	22	Yes	1605
3	07/03/22	12:59	0.77	149	115.4	12.8	7.1	22	Yes	1570
4	07/04/22	15:59	0.70	148	103.5	12.7	7.1	22	Yes	1579
5	07/05/22	11:59	0.70	147	102.6	12.7	7.1	22	Yes	1586
6	07/06/22	23:59	0.74	149	110.9	12.8	7.1	22	Yes	1566
7	07/07/22	3:59	0.77	149	114.5	12.8	7.1	22	Yes	1564
8	07/08/22	14:59	0.69	66	45.6	12.8	7.2	22	Yes	3536
9	07/09/22	12:59	0.85	112	95.3	13.0	7.2	22	Yes	2089
10	07/10/22	12:59	0.78	112	87.6	13.1	7.1	22	Yes	2089
11	07/11/22	8:59	0.76	112	84.8	13.2	7.1	22	Yes	2084
12	07/12/22	16:59	0.66	112	73.7	13.2	7.2	22	Yes	2080
13	07/13/22	5:59	0.60	112	66.9	13.3	7.2	21	Yes	2083
14	07/14/22	0:59	0.60	113	68.1	13.4	7.2	21	Yes	2071
15	07/15/22	6:59	0.60	113	67.9	13.5	7.1	21	Yes	2076
16	07/16/22	16:59	0.57	113	64.7	13.6	7.1	21	Yes	2073
17	07/17/22	7:59	0.68	113	76.7	13.6	7.2	22	Yes	2064
18	07/18/22	14:59	0.65	113	73.7	13.7	7.2	22	Yes	2062
19	07/19/22	13:59	0.69	113	78.3	13.7	7.1	22	Yes	2071
20	07/20/22	9:59	0.68	114	77.8	13.7	7.2	22	Yes	2042
21	07/21/22	13:59	0.67	114	76.1	13.7	7.1	22	Yes	2048
22	07/22/22	5:59	0.75	114	86.1	13.7	7.2	22	Yes	2043
23	07/23/22	13:59	0.64	115	73.0	13.7	7.1	22	Yes	2038
24	07/24/22	9:59	0.68	115	78.4	13.7	7.1	22	Yes	2033
25	07/25/22	22:59	0.64	116	73.7	13.7	7.1	22	Yes	2022
26	07/26/22	15:59	0.71	115	81.9	13.7	7.1	22	Yes	2030
27	07/27/22	11:59	0.72	116	83.1	13.7	7.2	22	Yes	2017
28	07/28/22	14:59	0.67	116	77.3	13.7	7.2	22	Yes	2019
29	07/29/22	15:59	0.70	68	47.4	13.5	7.2	22	Yes	3452
30	07/30/22	20:59	0.72	68	48.4	13.4	7.2	22	Yes	3459
31	07/31/22	6:59	0.66	116	76.1	13.8	7.2	22	Yes	2022

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