

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

**Membrane Filtration**

**St. Helens PWS ID #4100724 WTP -: A**

**April**

**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	04/01/22	0.018	no	0.019	0.018	0.018	no	0.019
2	04/02/22	no	0.018	no	0.019	0.018	no	0.019
3	04/03/22	0.018	no	no	0.018	0.018	no	0.019
4	04/04/22	0.018	no	0.019	0.018	0.018	no	0.019
5	04/05/22	0.018	no	no	0.018	no	no	0.019
6	04/06/22	0.018	no	0.019	0.018	0.018	no	0.019
7	04/07/22	0.018	no	no	0.018	no	0.019	0.020
8	04/08/22	0.018	no	no	0.018	no	no	0.019
9	04/09/22	0.018	no	no	0.018	0.018	no	0.019
10	04/10/22	no	no	0.018	no	0.018	0.018	0.019
11	04/11/22	no	no	0.017	0.016	0.017	0.016	0.019
12	04/12/22	no	no	0.016	no	0.018	0.016	0.020
13	04/13/22	0.017	no	0.018	0.017	no	0.016	0.018
14	04/14/22	no	no	0.017	0.017	0.017	0.017	0.019
15	04/15/22	no	0.018	no	0.018	0.017	no	0.018
16	04/16/22	no	no	0.017	0.017	0.017	0.017	0.017
17	04/17/22	no	0.017	no	0.017	0.017	0.016	0.018
18	04/18/22	no	no	0.017	0.017	0.017	no	0.018
19	04/19/22	0.017	no	0.017	0.017	0.017	no	0.018
20	04/20/22	0.016	no	0.017	0.017	0.017	no	0.018
21	04/21/22	0.018	no	no	0.017	no	0.017	0.018
22	04/22/22	no	no	0.017	0.017	0.017	no	0.018
23	04/23/22	no	0.017	no	0.017	0.017	no	0.018
24	04/24/22	0.017	0.017	no	0.017	0.017	no	0.018
25	04/25/22	0.018	no	0.017	0.017	0.017	0.017	0.018
26	04/26/22	no	no	0.017	no	0.018	0.017	0.018
27	04/27/22	no	no	0.017	0.017	0.017	no	0.018
28	04/28/22	0.017	no	0.017	0.017	no	0.017	0.020
29	04/29/22	0.017	no	0.017	0.017	no	0.017	0.022
30	04/30/22	no	no	0.017	no	0.017	0.017	0.018
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 <b>Yes / No</b>	CT's met everyday? (see back) <b>Yes / No</b>	All CL2 residual at entry point > 0.2 mg/l? <b>Yes / No</b>
All turbidity readings < 5 NTU? <b>Yes / No</b>		
<b>Notes</b>	Printed Name: Steve Wabschall	
	Signature: <i>Steve Wabschall</i>	Date: 5/6/2022
	Phone #: (503) 397-1311	Opr. Cert. # 2265

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

St Helens Oregon

PWS#4100724 WFP - A

Month:

April

Year:

2022

DAY	DATE	Time of Peak Flow	Minimum Chlorine Residual (mg/L) C [AIT-4705]	Contact Time T (min)	Actual Minimum CXT	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	04/01/22	13:59	0.77	114	87.7	13.0	7.3	22	Yes	2047
2	04/02/22	13:59	0.78	112	87.7	13.1	7.3	22	Yes	2085
3	04/03/22	12:59	0.77	113	87.7	13.1	7.2	22	Yes	2061
4	04/04/22	10:59	0.76	114	86.6	13.1	7.2	22	Yes	2057
5	04/05/22	12:59	0.73	113	83.0	13.1	7.2	22	Yes	2067
6	04/06/22	12:59	0.72	113	81.6	13.1	7.2	22	Yes	2074
7	04/07/22	13:59	0.75	114	85.3	13.2	7.2	22	Yes	2047
8	04/08/22	12:59	0.80	113	90.2	13.2	7.3	22	Yes	2062
9	04/09/22	12:59	0.79	115	90.7	13.1	7.2	22	Yes	2039
10	04/10/22	7:59	0.78	115	89.9	13.1	7.2	22	Yes	2035
11	04/11/22	8:59	0.77	149	114.8	12.1	7.1	22	Yes	1572
12	04/12/22	10:59	0.83	149	124.0	12.1	7.1	22	Yes	1565
13	04/13/22	10:59	0.83	149	123.7	12.1	7.1	22	Yes	1574
14	04/14/22	8:59	0.80	148	118.4	12.1	7.0	18	Yes	1581
15	04/15/22	16:59	0.80	149	118.4	12.1	7.1	22	Yes	1571
16	04/16/22	3:59	0.79	148	117.1	12.2	7.1	22	Yes	1576
17	04/17/22	12:59	0.78	149	115.9	12.1	7.2	22	Yes	1567
18	04/18/22	8:59	0.78	148	115.5	12.2	7.0	18	Yes	1584
19	04/19/22	13:59	0.76	50	38.0	12.1	7.0	18	Yes	4678
20	04/20/22	13:59	0.77	148	113.7	12.1	7.0	18	Yes	1580
21	04/21/22	14:59	0.73	148	108.7	12.2	7.0	18	Yes	1578
22	04/22/22	8:59	0.74	148	108.5	12.1	7.0	18	Yes	1584
23	04/23/22	13:59	0.76	147	111.9	12.1	7.0	18	Yes	1587
24	04/24/22	12:59	0.77	148	113.8	12.2	7.0	18	Yes	1577
25	04/25/22	12:59	0.78	149	116.3	12.2	7.0	18	Yes	1567
26	04/26/22	18:59	0.75	150	112.0	12.1	7.1	22	Yes	1560
27	04/27/22	7:59	0.75	149	111.3	12.1	7.0	18	Yes	1569
28	04/28/22	20:59	0.74	147	109.6	12.1	7.0	18	Yes	1586
29	04/29/22	19:59	0.75	148	110.8	12.1	7.0	18	Yes	1576
30	04/30/22	18:59	0.74	149	110.6	12.1	7.0	18	Yes	1566

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