

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

May

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	05/01/22	0.016	no	0.018	0.017	0.017	no	0.018
2	05/02/22	0.017	no	0.017	0.017	0.017	no	0.024
3	05/03/22	0.018	no	no	0.017	no	0.017	0.018
4	05/04/22	0.017	no	0.018	0.017	no	0.017	0.018
5	05/05/22	no	no	0.017	0.017	0.020	no	0.020
6	05/06/22	no	0.019	no	0.020	0.020	0.020	0.021
7	05/07/22	0.019	no	no	0.019	0.019	no	0.020
8	05/08/22	0.019	no	0.020	0.019	0.020	0.018	0.020
9	05/09/22	no	no	0.019	no	0.019	0.019	0.020
10	05/10/22	no	no	0.019	no	0.019	0.019	0.020
11	05/11/22	no	0.020	0.019	0.018	no	0.018	0.020
12	05/12/22	no	no	0.018	no	no	0.014	0.019
13	05/13/22	0.015	no	0.018	0.015	no	0.015	0.018
14	05/14/22	no	no	0.015	0.015	0.015	no	0.016
15	05/15/22	0.016	no	no	0.015	no	0.015	0.016
16	05/16/22	0.014	no	no	0.015	no	0.014	0.016
17	05/17/22	no	no	0.014	0.015	0.015	no	0.015
18	05/18/22	0.014	no	0.015	0.014	no	0.014	0.015
19	05/19/22	0.014	no	0.015	0.015	no	0.014	0.016
20	05/20/22	no	no	0.014	0.014	0.014	no	0.020
21	05/21/22	0.015	no	no	0.015	no	0.015	0.015
22	05/22/22	0.014	no	no	0.014	0.014	no	0.015
23	05/23/22	0.015	no	0.014	0.014	0.014	no	0.015
24	05/24/22	0.014	no	0.015	0.014	no	0.014	0.015
25	05/25/22	0.014	no	0.014	0.014	no	0.015	0.015
26	05/26/22	no	no	0.014	0.014	0.014	no	0.015
27	05/27/22	0.014	no	0.015	0.014	0.014	no	0.015
28	05/28/22	no	0.014	no	0.015	0.014	no	0.015
29	05/29/22	0.014	no	0.016	0.015	no	0.015	0.016
30	05/30/22	no	no	0.015	0.015	0.014	0.014	0.016
31	05/31/22	no	no	0.014	no	0.015	0.015	0.015

Slow Sand/Membrane/DE Filtration/Unfiltered Monthly Summary (Answer Yes or No)

95% of daily turbidity readings ≤ 1 NTU? <b>Yes</b> / No	CT's met everyday? (see back) <b>Yes</b> / No	All CL2 residual at entry point > 0.2 mg/l? <b>Yes</b> / No
All turbidity readings < 5 NTU? <b>Yes</b> / No		

<b>Notes</b>	Printed Name: Steve Wabschall
	Signature: <i>Steve Wabschall</i> Date: 6/3/2022
	Phone #: (503) 397-1311 Opr. Cert. # 2265



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

**St Helens Oregon**

**PWS#4100724 WFP - A**

Month:

**May**

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	05/01/22	23:59	0.74	149	110.7	12.2	7.0	18	Yes	1564
2	05/02/22	9:59	0.74	148	108.8	12.1	7.0	18	Yes	1582
3	05/03/22	4:59	0.73	148	107.7	12.1	7.0	18	Yes	1578
4	05/04/22	15:59	0.74	149	110.7	12.1	7.0	18	Yes	1568
5	05/05/22	12:59	0.74	150	111.2	12.1	7.0	18	Yes	1563
6	05/06/22	23:59	0.74	147	108.3	12.1	7.0	18	Yes	1589
7	05/07/22	11:59	0.72	148	106.1	12.1	7.0	18	Yes	1584
8	05/08/22	13:59	0.71	147	105.1	12.1	7.0	18	Yes	1586
9	05/09/22	9:59	0.69	147	100.7	12.0	7.1	18	Yes	1594
10	05/10/22	9:59	0.67	147	98.2	12.0	7.1	18	Yes	1586
11	05/11/22	9:59	0.67	147	98.7	12.0	7.0	18	Yes	1591
12	05/12/22	9:59	0.71	146	103.0	12.0	7.0	18	Yes	1604
13	05/13/22	9:59	0.72	146	105.2	12.0	7.0	18	Yes	1598
14	05/14/22	10:59	0.71	148	104.9	12.0	7.0	18	Yes	1583
15	05/15/22	22:59	0.70	147	102.7	12.0	7.0	18	Yes	1591
16	05/16/22	11:59	0.70	147	103.0	12.0	7.0	18	Yes	1587
17	05/17/22	11:59	0.72	146	105.1	12.0	7.1	18	Yes	1597
18	05/18/22	13:59	0.71	146	104.4	12.0	7.0	18	Yes	1597
19	05/19/22	21:59	0.72	147	105.1	12.0	7.0	18	Yes	1593
20	05/20/22	8:59	0.71	145	102.6	12.1	7.1	18	Yes	1617
21	05/21/22	2:59	0.74	146	107.6	12.1	7.1	18	Yes	1603
22	05/22/22	2:59	0.73	148	108.2	12.1	7.1	18	Yes	1580
23	05/23/22	13:59	0.75	147	110.2	12.2	7.1	18	Yes	1590
24	05/24/22	19:59	0.76	147	111.5	12.1	7.1	18	Yes	1588
25	05/25/22	11:59	0.75	146	109.5	12.2	7.1	18	Yes	1597
26	05/26/22	12:59	0.76	148	112.6	12.2	7.1	18	Yes	1576
27	05/27/22	11:59	0.74	148	110.1	12.2	7.1	18	Yes	1579
28	05/28/22	16:59	0.74	148	109.3	12.2	7.1	18	Yes	1583
29	05/29/22	0:59	0.72	147	106.8	12.3	7.0	18	Yes	1586
30	05/30/22	9:59	0.72	146	105.9	12.3	7.0	18	Yes	1596
31	05/31/22	9:59	0.73	147	106.6	12.3	7.1	18	Yes	1591

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot