

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

June

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	06/01/22	0.014	no	0.015	0.015	no	0.015	0.015
2	06/02/22	no	0.016	0.015	no	0.015	0.015	0.016
3	06/03/22	no	no	0.014	0.014	no	no	0.014
4	06/04/22	0.014	no	0.017	0.014	no	0.014	0.017
5	06/05/22	0.014	no	no	0.014	no	0.015	0.015
6	06/06/22	0.014	no	0.015	0.014	no	0.014	0.015
7	06/07/22	no	no	0.014	0.015	0.015	no	0.015
8	06/08/22	0.015	no	0.015	0.015	no	0.015	0.015
9	06/09/22	0.014	no	0.015	0.015	no	0.015	0.015
10	06/10/22	no	no	0.014	0.015	0.015	no	0.015
11	06/11/22	no	no	no	0.015	0.014	no	0.015
12	06/12/22	0.015	no	0.015	0.015	no	0.014	0.015
13	06/13/22	no	no	0.015	0.014	no	0.014	0.015
14	06/14/22	no	no	0.014	no	0.015	0.015	0.015
15	06/15/22	0.140	no	0.014	0.014	no	0.014	0.014
16	06/16/22	no	no	0.015	0.015	no	0.016	0.016
17	06/17/22	0.015	no	0.015	0.015	0.015	0.015	0.015
18	06/18/22	no	no	0.015	0.015	no	0.015	0.015
19	06/19/22	no	0.016	0.014	0.014	0.016	0.015	0.016
20	06/20/22	no	0.016	0.015	0.015	0.015	0.015	0.016
21	06/21/22	0.016	0.014	0.015	0.015	0.015	0.015	0.015
22	06/22/22	0.015	0.016	0.014	0.015	0.016	0.014	0.016
23	06/23/22	0.014	0.015	0.014	0.014	0.015	0.015	0.015
24	06/24/22	0.014	0.014	0.015	0.014	0.015	0.015	0.015
25	06/25/22	0.015	0.015	0.014	0.015	0.015	0.015	0.015
26	06/26/22	0.015	no	0.015	0.015	0.015	0.015	0.015
27	06/27/22	0.015	0.016	0.016	0.015	0.015	0.016	0.016
28	06/28/22	0.016	0.015	0.015	0.015	0.016	0.016	0.016
29	06/29/22	0.015	no	0.015	0.015	no	0.016	0.016
30	06/30/22	0.015	0.015	no	0.016	0.016	0.016	0.016
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>		
Notes	Signature: Steve Wabschall	
	Signature: <i>[Handwritten Signature]</i>	Date: 7/6/2022
	Phone #: (503) 397-1311	Opr. Cert. # 2265

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

**St Helens Oregon**

**PWS#4100724 WFP - A**

**Month:**

**June**

**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	06/01/22	10:59	0.72	147	105.6	12.4	7.1	22	Yes	1596
2	06/02/22	18:59	0.70	147	103.4	12.4	7.0	18	Yes	1589
3	06/03/22	11:59	0.71	147	105.1	12.5	7.0	18	Yes	1586
4	06/04/22	13:59	0.71	147	103.9	12.5	7.1	22	Yes	1587
5	06/05/22	12:59	0.68	145	99.1	12.5	7.1	22	Yes	1607
6	06/06/22	7:59	0.68	147	99.7	12.6	7.0	18	Yes	1593
7	06/07/22	8:59	0.67	146	97.8	12.6	7.1	22	Yes	1605
8	06/08/22	15:59	0.71	147	104.7	12.6	7.0	18	Yes	1596
9	06/09/22	3:59	0.71	146	103.9	12.7	7.1	22	Yes	1605
10	06/10/22	14:59	0.70	145	101.4	12.8	7.1	22	Yes	1613
11	06/11/22	17:59	0.66	144	95.4	12.8	7.1	22	Yes	1623
12	06/12/22	15:59	0.61	143	87.7	12.9	7.1	22	Yes	1631
13	06/13/22	22:59	0.58	143	82.5	12.9	7.1	21	Yes	1634
14	06/14/22	8:59	0.60	143	85.3	12.8	7.1	21	Yes	1640
15	06/15/22	9:59	0.64	143	91.6	12.8	7.1	22	Yes	1640
16	06/16/22	7:59	0.63	142	90.0	12.7	7.1	22	Yes	1644
17	06/17/22	11:59	0.63	143	90.4	12.6	7.1	22	Yes	1635
18	06/18/22	9:59	0.63	144	91.1	12.7	7.1	22	Yes	1628
19	06/19/22	9:59	0.64	126	80.6	12.7	7.1	22	Yes	1860
20	06/20/22	9:05	0.68	126	85.7	12.6	7.4	22	Yes	1863
21	06/21/22	20:57	0.72	127	91.4	12.6	7.4	22	Yes	1840
22	06/22/22	9:06	0.72	130	93.6	12.6	7.4	22	Yes	1796
23	06/23/22	9:04	0.67	130	87.1	12.6	7.3	22	Yes	1801
24	06/24/22	10:33	0.75	131	98.3	12.6	7.3	22	Yes	1783
25	06/25/22	9:07	0.76	132	100.3	12.6	7.3	22	Yes	1770
26	06/26/22	9:06	0.73	130	94.9	12.6	7.3	22	Yes	1798
27	06/27/22	9:06	0.73	131	95.6	12.7	7.3	22	Yes	1785
28	06/28/22	10:59	0.76	130	98.4	12.7	7.5	22	Yes	1798
29	06/29/22	11:59	0.78	146	113.2	12.7	7.1	22	Yes	1602
30	06/30/22	7:59	0.76	147	112.0	12.8	7.1	22	Yes	1588

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