

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

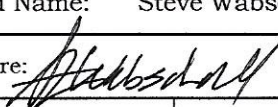
Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

December

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

Slow Sand/ <u>Membrane</u> /DE Filtration/Unfiltered	Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings ≤ 1 NTU? <u>Yes</u> / No	CT's met everyday? (see back) <u>Yes</u> / No	All CL2 residual at entry point > 0.2 mg/l? <u>Yes</u> / No
All turbidity readings < 5 NTU? <u>Yes</u> / No	Notes	
Printed Name: Steve Wabschall		
Signature: 		Date: 1-6-2023
Phone #: (503) 397-1311	Opr. Cert. # 2265	

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

**St Helens Oregon**

**PWS#4100724 WFP - A**

Month:

**December**

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-4713]	Required CT from tables (0.5-log)	CT Met? Yes/No	Peak Hourly Demand Flow (GPM)
1	12/01/22	10:59	0.75	86	63.9	13.7	7.6	18	Yes	2725
2	12/02/22	22:59	0.75	87	65.4	13.7	7.5	15	Yes	2690
3	12/03/22	22:59	0.76	89	67.2	13.7	7.6	18	Yes	2628
4	12/04/22	18:59	0.75	90	67.1	13.7	7.6	18	Yes	2605
5	12/05/22	18:59	0.75	88	65.9	13.6	7.5	15	Yes	2663
6	12/06/22	13:59	0.80	88	70.4	13.7	7.6	18	Yes	2671
7	12/07/22	20:59	0.77	88	67.5	13.7	7.5	15	Yes	2654
8	12/08/22	17:59	0.78	89	69.1	13.6	7.5	15	Yes	2634
9	12/09/22	23:59	0.75	87	65.6	13.5	7.5	15	Yes	2687
10	12/10/22	21:59	0.75	89	66.1	13.6	7.6	18	Yes	2637
11	12/11/22	15:59	0.74	89	66.3	13.6	7.7	18	Yes	2628
12	12/12/22	1:59	0.73	89	65.1	13.3	7.5	15	Yes	2623
13	12/13/22	2:59	0.73	87	63.5	13.3	7.5	15	Yes	2687
14	12/14/22	21:59	0.74	89	65.1	13.5	7.4	15	Yes	2640
15	12/15/22	18:59	0.71	88	62.6	13.5	7.4	15	Yes	2670
16	12/16/22	18:59	0.72	89	64.3	13.3	7.4	15	Yes	2635
17	12/17/22	2:59	0.73	88	63.9	13.4	7.3	15	Yes	2658
18	12/18/22	10:59	0.71	87	62.1	13.4	7.4	15	Yes	2686
19	12/19/22	9:59	0.72	89	63.7	13.4	7.4	15	Yes	2626
20	12/20/22	15:59	0.73	89	65.4	13.5	7.3	15	Yes	2616
21	12/21/22	19:59	0.72	86	61.8	13.4	7.4	15	Yes	2707
22	12/22/22	8:59	0.72	87	62.7	13.2	7.5	15	Yes	2675
23	12/23/22	12:59	0.71	87	61.8	13.2	7.4	15	Yes	2686
24	12/24/22	19:59	0.70	87	60.7	13.2	7.4	15	Yes	2683
25	12/25/22	15:59	0.72	88	63.7	13.3	7.6	18	Yes	2655
26	12/26/22	0:59	0.71	87	61.9	13.3	7.5	15	Yes	2694
27	12/27/22	18:59	0.70	88	61.1	12.9	7.8	18	Yes	2668
28	12/28/22	0:59	0.62	87	54.0	12.5	7.8	18	Yes	2694
29	12/29/22	21:59	0.68	85	57.3	12.5	7.4	15	Yes	2759
30	12/30/22	9:59	0.67	86	57.7	12.8	7.4	15	Yes	2719
31	12/31/22	15:59	0.64	88	55.9	12.9	7.3	15	Yes	2658

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot