

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

**Membrane Filtration**

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

**January**

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

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: 2/4/2022
	Phone #: (503) 397-1311	Opr. Cert. # 2265

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

**St Helens Oregon**

**PWS#4100724 WFP - A**

Month:

**January**

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	01/01/22	11:59	0.80	113	89.9	13.5	7.2	22	Yes	2071
2	01/02/22	14:59	0.83	95	79.0	13.8	7.2	22	Yes	2450
3	01/03/22	7:59	0.83	93	76.9	13.9	7.2	22	Yes	2517
4	01/04/22	9:59	0.81	92	74.8	13.9	7.2	22	Yes	2533
5	01/05/22	11:59	0.78	94	73.0	13.9	7.2	22	Yes	2483
6	01/06/22	15:59	0.77	94	72.3	13.8	7.2	22	Yes	2483
7	01/07/22	16:59	0.75	93	69.9	13.8	7.2	22	Yes	2517
8	01/08/22	9:59	0.73	94	68.4	13.7	7.2	22	Yes	2500
9	01/09/22	13:59	0.72	94	67.7	13.7	7.2	22	Yes	2500
10	01/10/22	18:59	0.72	92	66.6	13.6	7.2	22	Yes	2533
11	01/11/22	16:59	0.72	83	59.9	13.6	7.2	22	Yes	2817
12	01/12/22	19:59	0.72	95	68.8	13.6	7.2	22	Yes	2450
13	01/13/22	19:59	0.72	88	63.3	13.6	7.2	22	Yes	2667
14	01/14/22	14:59	0.73	95	69.0	13.6	7.2	22	Yes	2467
15	01/15/22	13:59	0.73	95	70.1	13.5	7.2	22	Yes	2450
16	01/16/22	15:59	0.73	88	64.6	13.5	7.2	22	Yes	2650
17	01/17/22	15:59	0.73	95	69.8	13.5	7.2	22	Yes	2450
18	01/18/22	16:59	0.73	80	58.1	13.5	7.2	22	Yes	2933
19	01/19/22	17:59	0.73	94	68.7	13.5	7.2	22	Yes	2483
20	01/20/22	20:59	0.73	97	70.6	13.5	7.2	22	Yes	2417
21	01/21/22	11:59	0.73	97	70.8	13.5	7.2	22	Yes	2417
22	01/22/22	12:59	0.73	95	69.9	13.5	7.2	22	Yes	2450
23	01/23/22	17:59	0.73	96	70.5	13.5	7.2	22	Yes	2433
24	01/24/22	15:59	0.73	96	70.6	13.5	7.2	22	Yes	2433
25	01/25/22	16:59	0.74	96	70.7	13.4	7.2	22	Yes	2433
26	01/26/22	13:59	0.74	96	70.9	13.4	7.2	22	Yes	2433
27	01/27/22	14:59	0.74	96	71.0	13.4	7.2	22	Yes	2433
28	01/28/22	16:59	0.74	96	71.2	13.4	7.2	22	Yes	2433
29	01/29/22	18:59	0.74	96	71.3	13.4	7.2	22	Yes	2433
30	01/30/22	9:59	0.74	79	58.6	13.4	7.2	22	Yes	2967
31	01/31/22	13:59	0.74	95	70.5	13.4	7.2	22	Yes	2467

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot