

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A

October

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	10/01/22	no	no	0.014	no	0.014	no	0.014
2	10/02/22	no	0.014	no	0.014	no	0.015	0.015
3	10/03/22	no	no	0.014	no	0.014	no	0.014
4	10/04/22	0.014	no	0.015	no	no	0.014	0.015
5	10/05/22	no	0.014	no	no	0.014	no	0.014
6	10/06/22	0.014	no	0.014	0.017	0.014	no	0.017
7	10/07/22	0.015	no	0.015	no	0.015	no	0.015
8	10/08/22	no	0.015	no	0.015	0.014	no	0.015
9	10/09/22	no	no	no	0.015	no	0.015	0.015
10	10/10/22	no	no	0.015	no	0.015	no	0.015
11	10/11/22	0.015	no	no	0.015	no	0.015	0.015
12	10/12/22	0.015	no	0.014	no	0.015	no	0.015
13	10/13/22	0.015	no	no	0.015	no	0.015	0.015
14	10/14/22	no	no	0.014	no	0.015	no	0.015
15	10/15/22	0.016	no	0.015	0.014	no	0.014	0.016
16	10/16/22	no	no	0.014	no	0.014	no	0.014
17	10/17/22	no	0.014	no	0.014	no	0.014	0.014
18	10/18/22	no	no	0.013	no	0.015	no	0.015
19	10/19/22	no	0.014	no	0.015	0.014	no	0.015
20	10/20/22	0.015	no	0.015	no	no	0.014	0.015
21	10/21/22	no	0.015	0.014	no	0.014	no	0.015
22	10/22/22	0.014	no	no	0.014	no	0.014	0.015
23	10/23/22	no	no	0.015	no	0.014	no	0.015
24	10/24/22	0.014	no	no	0.014	no	0.014	0.014
25	10/25/22	no	no	0.014	no	0.015	no	0.015
26	10/26/22	no	0.014	no	no	no	0.015	0.015
27	10/27/22	no	no	0.015	no	no	no	0.015
28	10/28/22	no	0.015	0.014	no	0.014	no	0.015
29	10/29/22	0.015	no	no	0.014	no	0.014	0.015
30	10/30/22	no	no	no	no	0.014	no	0.014
31	10/31/22	0.014	no	0.014	no	0.014	no	0.014

Slow Sand/Membrane/DE Filtration/Unfiltered

Monthly Summary (Answer Yes or No)

95% of daily turbidity readings \leq 1 NT Yes / No

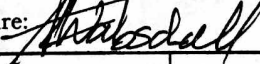
All turbidity readings < 5 NTU? Yes / No

CT's met everyday?
(see back)
 Yes / No

All CL2 residual at entry point >
0.2 mg/l? Yes / No

Notes

Printed Name: Steve Wabschall

Signature: 

Date: 11/7/2022

Phone #: (503) 397-1311

Opr. Cert. # 2265

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

October

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	10/01/22	9:59	0.76	89	68.3	14.0	7.5	15	Yes	2616
2	10/02/22	21:59	0.77	88	68.2	14.1	7.5	15	Yes	2649
3	10/03/22	17:59	0.77	90	68.8	14.0	7.5	15	Yes	2606
4	10/04/22	0:59	0.76	88	66.6	14.1	7.5	15	Yes	2667
5	10/05/22	7:59	0.75	90	67.5	14.1	7.5	15	Yes	2612
6	10/06/22	17:59	0.59	87	51.5	13.9	7.4	14	Yes	2676
7	10/07/22	9:59	0.77	90	68.7	14.1	7.6	18	Yes	2610
8	10/08/22	15:59	0.82	90	73.8	14.1	7.6	18	Yes	2602
9	10/09/22	20:59	0.83	88	73.2	14.1	7.6	18	Yes	2653
10	10/10/22	17:59	0.82	89	72.9	14.1	7.7	18	Yes	2621
11	10/11/22	23:59	0.80	90	72.2	13.9	7.6	18	Yes	2604
12	10/12/22	7:59	0.80	90	71.4	14.1	7.7	18	Yes	2605
13	10/13/22	22:59	0.81	88	71.0	14.0	7.5	15	Yes	2651
14	10/14/22	16:59	0.80	89	71.5	14.1	7.7	18	Yes	2624
15	10/15/22	2:59	0.81	88	71.2	14.2	7.6	18	Yes	2655
16	10/16/22	8:59	0.83	89	74.3	14.1	7.6	18	Yes	2617
17	10/17/22	22:59	0.84	89	74.7	14.1	7.6	18	Yes	2624
18	10/18/22	18:59	0.82	87	71.6	14.2	7.6	18	Yes	2676
19	10/19/22	4:59	0.78	89	69.2	14.2	7.6	18	Yes	2632
20	10/20/22	20:59	0.81	89	72.0	14.1	7.6	18	Yes	2621
21	10/21/22	16:59	0.77	90	69.7	14.1	7.7	18	Yes	2595
22	10/22/22	1:59	0.76	88	66.8	14.1	7.6	18	Yes	2649
23	10/23/22	9:59	0.75	89	66.6	14.2	7.8	18	Yes	2615
24	10/24/22	11:59	0.78	89	69.0	14.1	7.7	18	Yes	2624
25	10/25/22	18:59	0.75	90	67.5	14.1	7.8	18	Yes	2611
26	10/26/22	14:59	0.75	89	66.3	14.2	7.7	18	Yes	2633
27	10/27/22	9:59	0.75	89	66.6	14.2	7.7	18	Yes	2624
28	10/28/22	15:59	0.74	88	65.1	14.2	7.8	18	Yes	2648
29	10/29/22	19:59	0.74	86	63.4	14.2	7.7	18	Yes	2711
30	10/30/22	7:59	0.75	89	66.6	14.2	7.8	18	Yes	2629
31	10/31/22	0:59	0.74	88	65.0	14.2	7.8	18	Yes	2662

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