

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

Membrane Filtration

St. Helens PWS ID #4100724 WTP -: A September 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	09/01/22	0.015	no	0.014	0.014	no	0.014	0.015
2	09/02/22	no	0.014	no	0.014	no	no	0.014
3	09/03/22	no	no	0.014	no	0.014	no	0.014
4	09/04/22	no	0.014	no	0.014	0.014	no	0.014
5	09/05/22	0.014	no	0.019	0.014	no	0.014	0.019
6	09/06/22	no	0.015	0.014	0.015	0.022	no	0.022
7	09/07/22	0.016	no	0.014	0.014	0.014	no	0.016
8	09/08/22	no	no	no	0.014	no	0.015	0.015
9	09/09/22	no	no	0.015	no	0.015	no	0.015
10	09/10/22	no	0.014	no	0.015	no	no	0.015
11	09/11/22	no	no	0.014	no	0.014	0.014	0.014
12	09/12/22	no	0.015	no	no	0.015	no	0.015
13	09/13/22	0.015	no	0.014	0.014	0.015	0.014	0.015
14	09/14/22	no	0.015	no	0.015	0.015	no	0.015
15	09/15/22	0.015	no	0.015	no	0.015	0.015	0.015
16	09/16/22	no	0.015	no	0.015	0.015	no	0.015
17	09/17/22	0.015	no	0.016	no	no	0.015	0.016
18	09/18/22	no	0.015	no	0.021	no	0.015	0.021
19	09/19/22	0.015	no	0.014	0.015	no	0.015	0.015
20	09/20/22	no	no	0.015	no	0.016	no	0.016
21	09/21/22	0.015	no	0.015	no	0.016	0.015	0.016
22	09/22/22	no	0.014	no	0.014	no	0.015	0.015
23	09/23/22	0.014	no	0.014	no	0.014	no	0.014
24	09/24/22	0.014	no	no	0.015	no	0.015	0.015
25	09/25/22	no	0.014	no	0.015	no	0.015	0.015
26	09/26/22	0.015	no	no	no	0.014	no	0.015
27	09/27/22	0.015	no	no	no	no	0.015	0.015
28	09/28/22	no	0.014	no	no	no	no	0.014
29	09/29/22	0.014	no	0.014	no	0.015	no	0.015
30	09/30/22	no	0.014	no	0.014	no	0.014	0.014

Slow Sand/Membrane/DE Filtration/Unfiltered	Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings ≤ 1 NTU? <input checked="" type="radio"/> Yes / <input type="radio"/> No	CT's met everyday? (see back) <input checked="" type="radio"/> Yes / <input type="radio"/> No	All CL2 residual at entry point > 0.2 mg/l? <input checked="" type="radio"/> Yes / <input type="radio"/> No
All turbidity readings < 5 NTU? <input checked="" type="radio"/> Yes / <input type="radio"/> No		
Notes	Printed Name: Steve Wabschall	
	Signature: <i>Steve Wabschall</i>	Date: 10/7/2022
	Phone #: (503) 397-1311	Opr. Cert. # 2265

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

September

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	09/01/22	0:59	0.75	85	63.9	13.5	7.2	22	Yes	2755
2	09/02/22	13:59	0.73	86	63.3	13.5	7.2	22	Yes	2709
3	09/03/22	9:59	0.74	86	63.7	13.5	7.2	22	Yes	2711
4	09/04/22	4:59	0.73	87	63.0	13.6	7.2	22	Yes	2693
5	09/05/22	0:59	0.74	86	63.4	13.6	7.2	22	Yes	2733
6	09/06/22	14:59	0.72	87	62.6	13.6	7.2	22	Yes	2694
7	09/07/22	9:59	0.72	87	62.5	13.2	7.2	22	Yes	2697
8	09/08/22	4:59	0.70	86	60.2	13.7	7.2	22	Yes	2717
9	09/09/22	0:59	0.71	86	61.1	13.7	7.2	22	Yes	2704
10	09/10/22	12:59	0.70	86	60.2	13.7	7.2	22	Yes	2717
11	09/11/22	8:59	0.69	86	59.1	13.7	7.2	22	Yes	2708
12	09/12/22	6:59	0.68	86	58.8	13.8	7.2	22	Yes	2711
13	09/13/22	19:59	0.69	87	60.0	13.8	7.2	22	Yes	2700
14	09/14/22	14:59	0.68	83	56.3	13.8	7.2	22	Yes	2831
15	09/15/22	10:59	0.69	83	56.6	13.8	7.2	22	Yes	2831
16	09/16/22	5:59	0.66	84	56.0	13.8	7.2	22	Yes	2772
17	09/17/22	10:59	0.67	84	56.8	13.8	7.2	22	Yes	2771
18	09/18/22	13:59	0.68	83	56.4	13.8	7.2	22	Yes	2807
19	09/19/22	21:59	0.69	90	62.0	13.6	7.2	22	Yes	2598
20	09/20/22	7:59	0.67	89	59.2	13.9	7.2	22	Yes	2631
21	09/21/22	18:59	0.66	88	58.6	13.9	7.2	22	Yes	2645
22	09/22/22	13:59	0.78	86	67.1	13.9	7.2	22	Yes	2718
23	09/23/22	17:59	0.80	89	71.8	13.9	7.2	22	Yes	2613
24	09/24/22	1:59	0.80	89	70.7	13.9	7.2	22	Yes	2638
25	09/25/22	5:59	0.78	90	70.5	14.0	7.2	22	Yes	2597
26	09/26/22	23:59	0.78	88	68.7	13.9	7.2	22	Yes	2667
27	09/27/22	19:59	0.77	90	69.4	14.0	7.2	22	Yes	2592
28	09/28/22	23:59	0.77	88	67.4	14.0	7.2	22	Yes	2667
29	09/29/22	17:59	0.77	87	67.0	14.0	7.2	22	Yes	2678
30	09/30/22	3:59	0.76	88	66.8	14.1	7.2	22	Yes	2664

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