

Membrane Filter Monthly Operating ReportCounty: **Columbia**System Name: **St. Helens**Month/Year: **Aug-2025**PWS ID#: 41 - **00724**Minimum test pressure applied: **30** psiPlant ID: WTP - **A**
(e.g., "A")Minimum test pressure req'd: **18.34** psi

DIT = Direct Integrity Test on filter(s) [Yes, No, or "off" if all filters are offline] ⇌

PDR = Pressure Decay Rate

LRC = Log Removal Credit

Day	CFE Daily Turbidity [NTU]	Highest CFE* [NTU]	Highest IFE [NTU]	Highest PDR of day [psi/min]	Lowest LRV _{ambient} of day [log removal]	DIT Daily [Y/N] or "off"
				PDR _{Max} [psi/min]	LRC [log removal]	
				0.074	4.00	
1	0.014	0.02	0.033	0.02	4.90	Y
2	0.015	0.02	0.031	0.02	4.87	Y
3	0.014	0.02	0.034	0.02	4.86	Y
4	0.015	0.02	0.032	0.02	4.95	Y
5	0.015	0.02	0.034	0.02	4.97	Y
6	0.014	0.02	0.049	0.02	4.95	Y
7	0.015	0.02	0.031	0.02	4.86	Y
8	0.014	0.01	0.035	0.02	4.89	Y
9	0.015	0.02	0.032	0.02	4.91	Y
10	0.014	0.02	0.038	0.02	4.97	Y
11	0.016	0.02	0.038	0.02	4.89	Y
12	0.015	0.02	0.032	0.02	4.90	Y
13	0.015	0.02	0.035	0.02	4.92	Y
14	0.016	0.02	0.036	0.02	4.92	Y
15	0.014	0.02	0.030	0.02	4.93	Y
16	0.015	0.02	0.047	0.02	4.89	Y
17	0.014	0.02	0.036	0.02	4.85	Y
18	0.014	0.02	0.030	0.03	4.77	Y
19	0.014	0.01	0.030	0.03	4.77	Y
20	0.016	0.02	0.032	0.02	4.95	Y
21	0.015	0.02	0.030	0.02	4.98	Y
22	0.015	0.02	0.034	0.02	4.90	Y
23	0.015	0.02	0.031	0.02	4.95	Y
24	0.015	0.02	0.030	0.02	4.94	Y
25	0.015	0.02	0.030	0.02	4.97	Y
26	0.016	0.02	0.030	0.02	4.93	Y
27	0.015	0.02	0.037	0.03	4.79	Y
28	0.015	0.02	0.030	0.03	4.80	Y
29	0.014	0.02	0.030	0.02	4.90	Y
30	0.015	0.02	0.030	0.02	4.93	Y
31	0.015	0.02	0.031	0.03	4.77	Y

Compliance summary (operator to complete any blank fields)

95% of daily turbidity readings ≤ 1 NTU? [Y/N]	All turbidity readings ≤ 5 NTU? [Y/N]	All IFE turbidity readings ≤ 0.15 NTU? [Y/N]	Performance std met? [Y/N] ($\text{PDR} \leq \text{PDR}_{\text{Max}}$, $\text{LRV} \geq \text{LRC}$)	DIT Daily?
Yes	Yes	Yes	Yes	Yes
CT's met daily? (p. 2)	All Cl_2 residual at EP $\geq 0.2 \text{ mg/L}$?	$\text{PDR} \leq \text{PDR}_{\text{Max}}$?	$\text{LRV}_{\text{ambient}} \geq \text{LRC}$?	
		Yes	Yes	

PRINTED NAME: **Aaron Kunders**DATE: **9/2/25**SIGNATURE: 

WT CERT #: 684854

Notes:

PHONE #: 503-397-2344

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

August

Year:

2025

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-4713]	Required CT from tables (0.5-log)	CT Met? Yes/No	Peak Hourly Demand Flow (GPM)
1	08/01/25	17:59	0.70	86	59.7	13.8	7.4		Yes	2724
2	08/02/25	9:59	0.72	84	60.1	13.8	7.4		Yes	2788
3	08/03/25	23:59	0.74	86	63.6	13.8	7.4	22	Yes	2725
4	08/04/25	20:59	0.74	83	61.5	13.8	7.3	22	Yes	2805
5	08/05/25	6:59	0.74	86	63.4	13.8	7.3	22	Yes	2718
6	08/06/25	2:59	0.73	85	61.9	13.8	7.4	22	Yes	2765
7	08/07/25	7:59	0.72	83	59.6	13.9	7.5	22	Yes	2822
8	08/08/25	17:59	0.84	85	72.0	14.0	7.5	22	Yes	2738
9	08/09/25	12:59	0.83	85	70.3	14.0	7.5	22	Yes	2751
10	08/10/25	17:59	0.80	85	67.8	14.0	7.5	22	Yes	2749
11	08/11/25	22:59	0.78	82	64.3	14.0	7.4	22	Yes	2846
12	08/12/25	0:59	0.77	86	65.6	14.0	7.4	22	Yes	2731
13	08/13/25	19:59	0.75	85	64.1	14.1	7.8	26	Yes	2748
14	08/14/25	12:59	0.75	84	62.4	14.1	7.4	22	Yes	2799
15	08/15/25	15:59	0.74	86	63.0	14.1	7.5	22	Yes	2731
16	08/16/25	18:59	0.73	83	60.4	14.1	7.5	22	Yes	2810
17	08/17/25	12:59	0.73	84	60.9	14.1	7.5	22	Yes	2789
18	08/18/25	7:59	0.73	85	62.1	14.1	7.4	22	Yes	2742
19	08/19/25	1:59	0.73	84	61.2	14.1	7.4	22	Yes	2778
20	08/20/25	16:59	0.72	86	61.5	14.1	7.4	22	Yes	2733
21	08/21/25	8:59	0.72	84	60.5	14.2	7.4	22	Yes	2774
22	08/22/25	15:59	0.71	85	59.9	14.1	7.4	22	Yes	2764
23	08/23/25	22:59	0.71	85	60.4	14.2	7.4	22	Yes	2758
24	08/24/25	0:59	0.70	85	59.6	14.2	7.3	22	Yes	2748
25	08/25/25	5:59	0.70	85	59.6	14.2	7.3	22	Yes	2747
26	08/26/25	9:59	0.70	84	58.7	14.2	7.3	22	Yes	2770
27	08/27/25	23:59	0.67	85	57.1	14.2	7.3	22	Yes	2746
28	08/28/25	20:59	0.66	85	55.8	14.3	7.3	22	Yes	2755
29	08/29/25	15:59	0.65	87	56.5	14.2	7.3	22	Yes	2679
30	08/30/25	9:59	0.65	85	55.2	14.2	7.2	22	Yes	2737
31	08/31/25	6:59	0.64	84	53.8	14.3	7.2	22	Yes	2788

Notes:

Page 2 of 2

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot