

Membrane Filter Monthly Operating ReportCounty: **Columbia**System Name: **St. Helens**Month/Year: **Sep-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	0.015	0.02	0.030	0.03	4.87	Y
2	0.017	0.02	0.035	0.03	4.84	Y
3	0.016	0.02	0.033	0.03	4.75	Y
4	0.015	0.02	0.032	0.03	4.77	Y
5	0.016	0.02	0.032	0.03	4.77	Y
6	0.015	0.02	0.036	0.02	4.95	Y
7	0.015	0.02	0.040	0.02	4.87	Y
8	0.014	0.02	0.034	0.02	4.95	Y
9	0.014	0.02	0.051	0.02	4.84	Y
10	0.016	0.02	0.033	0.02	4.94	Y
11	0.015	0.02	0.032	0.02	4.91	Y
12	0.014	0.02	0.033	0.04	4.82	Y
13	0.015	0.02	0.029	0.04	4.65	Y
14	0.015	0.02	0.034	0.02	4.90	Y
15	0.015	0.02	0.060	0.02	4.98	Y
16	0.016	0.02	0.046	0.02	4.92	Y
17	0.016	0.02	0.045	0.02	4.86	Y
18	0.016	0.02	0.037	0.02	4.87	Y
19	0.015	0.02	0.031	0.02	4.88	Y
20	0.016	0.02	0.046	0.02	4.95	Y
21	0.015	0.02	0.035	0.02	4.95	Y
22	0.015	0.02	0.031	0.02	4.88	Y
23	0.015	0.01	0.033	0.02	4.84	Y
24	0.016	0.02	0.054	0.02	4.86	Y
25	0.016	0.02	0.042	0.02	4.87	Y
26	0.016	0.02	0.032	0.03	4.77	Y
27	0.015	0.02	0.031	0.03	4.77	Y
28	0.014	0.02	0.029	0.02	4.90	Y
29	0.015	0.02	0.031	0.03	4.73	Y
30	0.015	0.03	0.040	0.04	4.67	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] (PDR ≤ PDR _{Max} , LRV ≥ LRC)	DIT Daily?
Yes	Yes	Yes	Yes	Yes
CT's met daily? (p. 2)	All Cl ₂ residual at EP ≥ 0.2 mg/L?	PDR ≤ PDR _{Max} ?	LRV _{ambient} ≥ LRC?	
		Yes	Yes	

PRINTED NAME: **Aaron Kunders**DATE: **1-Oct-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:

September

Year:

2025

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	09/01/25	17:59	0.67	85	57.1	14.3	7.2	22	Yes	2744
2	09/02/25	14:59	0.67	85	56.9	14.3	7.3	22	Yes	2744
3	09/03/25	17:59	0.66	87	57.5	14.3	7.4	22	Yes	2699
4	09/04/25	21:59	0.66	85	56.2	14.4	7.4	22	Yes	2747
5	09/05/25	17:59	0.65	88	57.3	14.3	7.4	22	Yes	2669
6	09/06/25	12:59	0.67	86	57.7	14.4	7.4	22	Yes	2729
7	09/07/25	6:59	0.75	85	63.8	14.3	7.4	22	Yes	2759
8	09/08/25	15:59	0.73	85	61.8	14.3	7.4	22	Yes	2752
9	09/09/25	11:59	0.72	85	60.8	14.4	7.4	22	Yes	2759
10	09/10/25	5:59	0.71	85	60.9	14.4	7.4	22	Yes	2744
11	09/11/25	18:59	0.70	82	57.9	14.3	7.3	22	Yes	2838
12	09/12/25	22:59	0.71	86	60.8	14.5	7.3	22	Yes	2718
13	09/13/25	9:59	0.70	84	59.0	14.4	7.3	22	Yes	2770
14	09/14/25	3:59	0.69	85	58.9	14.4	7.3	22	Yes	2757
15	09/15/25	16:59	0.70	85	59.2	14.4	7.4	22	Yes	2751
16	09/16/25	11:59	0.69	85	58.9	14.4	7.6	26	Yes	2740
17	09/17/25	22:59	0.69	85	59.1	14.4	7.5	26	Yes	2739
18	09/18/25	17:59	0.69	85	58.9	14.5	7.5	26	Yes	2739
19	09/19/25	19:59	0.68	87	59.2	14.5	7.5	26	Yes	2683
20	09/20/25	21:59	0.68	84	57.1	14.5	7.5	26	Yes	2778
21	09/21/25	23:59	0.66	85	56.3	14.6	7.5	26	Yes	2757
22	09/22/25	9:59	0.66	84	54.9	14.5	7.5	26	Yes	2795
23	09/23/25	4:59	0.66	84	55.3	14.5	7.5	26	Yes	2784
24	09/24/25	14:59	0.66	85	56.0	14.5	7.4	22	Yes	2766
25	09/25/25	9:59	0.82	84	68.6	14.6	7.4	22	Yes	2799
26	09/26/25	22:59	0.77	85	65.7	14.5	7.4	22	Yes	2743
27	09/27/25	23:59	0.75	87	64.8	14.5	7.4	22	Yes	2701
28	09/28/25	9:59	0.74	86	63.3	14.6	7.4	22	Yes	2734
29	09/29/25	3:59	0.73	84	61.4	14.5	7.4	22	Yes	2768
30	09/30/25	5:59	0.71	84	59.8	14.5	7.4	22	Yes	2767

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