

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

(e.g., "A")

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	0.035	0.02	4.93	Y
2	0.014	0.01	0.033	0.04	4.64	Y
3	0.013	0.01	0.036	0.04	4.64	Y
4	0.015	0.02	0.034	0.02	4.92	Y
5	0.015	0.02	0.042	0.02	4.93	Y
6	0.015	0.01	0.034	0.03	4.73	Y
7	0.014	0.01	0.034	0.03	4.73	Y
8	0.014	0.01	0.034	0.02	4.88	Y
9	0.015	0.02	0.033	0.02	4.90	Y
10	0.014	0.02	0.033	0.03	4.73	Y
11	0.015	0.02	0.041	0.03	4.75	Y
12	0.016	0.02	0.063	0.02	4.85	Y
13	0.016	0.02	0.038	0.02	4.86	Y
14	0.014	0.01	0.037	0.04	4.64	Y
15	0.016	0.02	0.034	0.04	4.64	Y
16	0.016	0.02	0.033	0.02	4.90	Y
17	0.016	0.02	0.031	0.02	4.95	Y
18	0.014	0.02	0.032	0.02	5.02	Y
19	0.015	0.02	0.031	0.03	4.73	Y
20	0.015	0.02	0.033	0.03	4.70	Y
21	0.014	0.02	0.031	0.03	4.76	Y
22	0.015	0.02	0.031	0.03	4.77	Y
23	0.014	0.01	0.031	0.01	5.16	Y
24	0.016	0.02	0.031	0.02	4.91	Y
25	0.015	0.55	0.034	0.02	4.90	Y
26	0.015	0.02	0.033	0.02	4.93	Y
27	0.015	0.02	0.037	0.02	4.95	Y
28	0.015	0.02	0.035	0.02	4.85	Y
29	0.016	0.02	0.031	0.02	4.89	Y
30	0.016	0.02	0.031	0.02	4.91	Y
31	0.017	0.02	0.031	0.02	4.95	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: **8/1/2025**SIGNATURE: 

WT CERT #: 684854

PHONE #: 503-397-2344

Notes: 7/25-NTU reading was at plant start up and quickly came back down to normal.

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OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

July

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	07/01/25	16:59	0.70	86	59.8	13.3	7.4	22	Yes	2726
2	07/02/25	0:59	0.68	82	56.2	13.3	7.4	22	Yes	2847
3	07/03/25	9:59	0.68	87	58.9	13.3	7.4	22	Yes	2692
4	07/04/25	9:59	0.65	82	53.6	13.3	7.3	22	Yes	2843
5	07/05/25	9:59	0.63	84	53.2	13.3	7.3	22	Yes	2776
6	07/06/25	21:59	0.64	84	53.6	13.3	7.3	22	Yes	2799
7	07/07/25	21:59	0.64	85	54.5	13.3	7.4	22	Yes	2747
8	07/08/25	19:59	0.64	87	55.7	13.4	7.4	22	Yes	2697
9	07/09/25	15:59	0.63	84	53.1	13.4	7.5	22	Yes	2788
10	07/10/25	10:59	0.63	85	53.3	13.4	7.4	22	Yes	2745
11	07/11/25	18:59	0.62	87	54.1	13.4	7.3	22	Yes	2694
12	07/12/25	23:59	0.62	85	53.0	13.5	7.4	22	Yes	2747
13	07/13/25	0:59	0.61	85	52.1	13.5	7.3	22	Yes	2752
14	07/14/25	21:59	0.61	85	51.7	13.5	7.3	22	Yes	2765
15	07/15/25	20:59	0.60	85	50.9	13.5	7.5	21	Yes	2754
16	07/16/25	6:59	0.60	87	52.1	13.5	7.3	21	Yes	2686
17	07/17/25	19:59	0.59	86	50.9	13.5	7.6	21	Yes	2730
18	07/18/25	16:59	0.63	84	52.8	13.6	7.4	22	Yes	2787
19	07/19/25	9:59	0.64	87	56.1	13.6	7.4	22	Yes	2685
20	07/20/25	7:59	0.64	84	54.2	13.6	7.4	22	Yes	2775
21	07/21/25	4:59	0.64	85	53.8	13.6	7.1	22	Yes	2766
22	07/22/25	16:59	0.63	85	53.6	13.6	7.1	22	Yes	2757
23	07/23/25	10:59	0.63	85	53.5	13.7	6.9	18	Yes	2757
24	07/24/25	20:59	0.62	86	53.6	13.7	6.9	18	Yes	2721
25	07/25/25	6:59	0.62	85	52.4	13.7	6.9	18	Yes	2760
26	07/26/25	0:59	0.61	85	52.0	13.7	6.9	18	Yes	2763
27	07/27/25	6:59	0.61	84	51.6	13.7	6.9	18	Yes	2782
28	07/28/25	9:59	0.62	84	51.8	13.8	7.1	22	Yes	2781
29	07/29/25	20:59	0.71	86	61.5	13.8	7.3	22	Yes	2708
30	07/30/25	8:59	0.71	85	60.6	13.7	7.4	22	Yes	2737
31	07/31/25	0:59	0.70	83	58.0	13.8	7.5	22	Yes	2802

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