

Membrane Filter Monthly Operating ReportCounty: **Columbia**System Name: **St. Helens**Month/Year: **May-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	0.013	0.01	0.049	0.02	4.91	Y
2	0.016	0.02	0.062	0.02	4.92	Y
3	0.013	0.02	0.053	0.03	4.83	Y
4	0.013	0.01	0.052	0.03	4.74	Y
5	0.013	0.01	0.036	0.03	4.73	Y
6	0.015	0.02	0.056	0.02	4.91	Y
7	0.014	0.02	0.038	0.01	5.13	Y
8	0.015	0.01	0.056	0.02	4.89	Y
9	0.014	0.01	0.058	0.02	4.90	Y
10	0.016	0.02	0.039	0.02	4.85	Y
11	0.013	0.01	0.052	0.02	4.89	Y
12	0.013	0.02	0.040	0.02	4.92	Y
13	0.013	0.01	0.036	0.02	4.85	Y
14	0.014	0.01	0.060	0.02	4.93	Y
15	0.013	0.01	0.055	0.02	4.85	Y
16	0.014	0.01	0.045	0.02	4.91	Y
17	0.013	0.01	0.034	0.02	4.89	Y
18	0.014	0.02	0.037	0.02	4.88	Y
19	0.013	0.01	0.063	0.02	4.90	Y
20	0.013	0.01	0.040	0.02	4.93	Y
21	0.014	0.01	0.036	0.02	4.92	Y
22	0.014	0.01	0.063	0.02	4.93	Y
23	0.014	0.01	0.041	0.03	4.74	Y
24	0.013	0.01	0.035	0.03	4.75	Y
25	0.014	0.01	0.048	0.02	4.94	Y
26	0.013	0.01	0.070	0.01	5.14	Y
27	0.015	0.02	0.036	0.02	4.94	Y
28	0.014	0.01	0.040	0.02	4.93	Y
29	0.013	0.01	0.038	0.02	4.92	Y
30	0.013	0.01	0.053	0.02	4.93	Y
31	0.013	0.01	0.047	0.03	4.87	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: **6/3/2025**

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:

May

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	05/01/25	16:59	0.72	117	84.8	13.1	7.4	22	Yes	1997
2	05/02/25	9:59	0.73	117	85.1	13.1	7.4	22	Yes	2000
3	05/03/25	9:59	0.72	118	84.6	13.1	7.5	22	Yes	1990
4	05/04/25	12:59	0.73	118	85.7	13.1	7.3	22	Yes	1985
5	05/05/25	10:59	0.73	85	62.1	12.8	7.2	22	Yes	2753
6	05/06/25	17:59	0.75	85	63.9	12.8	7.2	22	Yes	2754
7	05/07/25	11:59	0.75	84	63.0	12.9	7.6	26	Yes	2784
8	05/08/25	22:59	0.75	84	63.4	12.8	7.4	22	Yes	2778
9	05/09/25	17:59	0.75	84	63.0	12.9	7.4	22	Yes	2791
10	05/10/25	12:59	0.74	86	63.4	12.9	7.4	22	Yes	2734
11	05/11/25	11:59	0.73	85	61.6	12.9	7.4	22	Yes	2765
12	05/12/25	8:59	0.71	83	59.5	12.9	7.4	22	Yes	2808
13	05/13/25	21:59	0.70	83	58.5	12.9	7.5	22	Yes	2812
14	05/14/25	20:59	0.69	83	57.9	13.0	7.6	26	Yes	2801
15	05/15/25	7:59	0.69	86	59.4	12.9	7.5	22	Yes	2721
16	05/16/25	2:59	0.70	85	59.8	12.9	7.3	22	Yes	2753
17	05/17/25	9:59	0.71	83	59.5	12.9	7.3	22	Yes	2803
18	05/18/25	22:59	0.70	83	58.6	12.9	7.3	22	Yes	2806
19	05/19/25	17:59	0.72	83	59.4	12.9	7.3	22	Yes	2824
20	05/20/25	17:59	0.72	86	61.8	12.9	7.4	22	Yes	2729
21	05/21/25	13:59	0.73	84	61.9	12.9	7.4	22	Yes	2773
22	05/22/25	9:59	0.73	83	60.3	12.9	7.3	22	Yes	2816
23	05/23/25	15:59	0.68	86	58.6	12.9	7.3	22	Yes	2708
24	05/24/25	19:59	0.72	81	58.2	12.9	7.3	22	Yes	2880
25	05/25/25	17:59	0.71	84	60.1	13.0	7.4	22	Yes	2775
26	05/26/25	13:59	0.71	84	59.3	13.0	7.4	22	Yes	2790
27	05/27/25	8:59	0.71	84	59.5	13.0	7.4	22	Yes	2783
28	05/28/25	22:59	0.70	85	59.0	13.0	7.3	22	Yes	2761
29	05/29/25	14:59	0.69	83	57.4	13.0	7.4	22	Yes	2809
30	05/30/25	16:59	0.68	83	56.5	13.0	7.4	22	Yes	2819
31	05/31/25	21:59	0.69	82	56.5	13.0	7.3	22	Yes	2848

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