

Membrane Filter Monthly Operating ReportCounty: **Columbia**System Name: **St. Helens**Month/Year: **Mar-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	0.014	0.01	0.061	0.03	4.64	Y
2	0.013	0.01	0.044	0.03	4.63	Y
3	0.014	0.01	0.036	0.03	4.71	Y
4	0.013	0.01	0.050	0.03	4.70	Y
5	0.013	0.01	0.045	0.03	4.71	Y
6	0.013	0.01	0.075	0.04	4.60	Y
7	0.013	0.01	0.043	0.04	4.58	Y
8	0.013	0.01	0.045	0.03	4.70	Y
9	0.015	0.01	0.038	0.03	4.72	Y
10	0.015	0.02	0.037	0.04	4.60	Y
11	0.032	0.03	0.047	0.04	4.60	Y
12	0.013	0.01	0.065	0.04	4.54	Y
13	0.014	0.01	0.041	0.03	4.72	Y
14	0.013	0.01	0.041	0.03	4.65	Y
15	0.014	0.01	0.039	0.03	4.73	Y
16	0.013	0.01	0.045	0.03	4.70	Y
17	0.015	0.03	0.086	0.03	4.71	Y
18	0.013	0.01	0.045	0.03	4.62	Y
19	0.013	0.01	0.057	0.03	4.67	Y
20	0.013	0.01	0.054	0.03	4.73	Y
21	0.013	0.01	0.083	0.03	4.74	Y
22	0.013	0.01	0.049	0.03	4.66	Y
23	0.014	0.01	0.043	0.03	4.73	Y
24	0.014	0.01	0.037	0.03	4.72	Y
25	0.013	0.01	0.051	0.03	4.73	Y
26	0.013	0.01	0.045	0.03	4.74	Y
27	0.014	0.04	0.040	0.03	4.71	Y
28	0.014	0.02	0.041	0.03	4.73	Y
29	0.014	0.01	0.046	0.02	4.90	Y
30	0.013	0.01	0.053	0.02	4.85	Y
31	0.013	0.01	0.045	0.02	4.89	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: **2-Apr-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:

March

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	03/01/25	15:59	0.68	115	78.9	13.1	7.4	22	Yes	2026
2	03/02/25	3:59	0.69	116	80.1	13.0	7.3	22	Yes	2015
3	03/03/25	9:59	0.70	117	81.9	13.0	7.4	22	Yes	2002
4	03/04/25	8:59	0.72	116	83.7	13.0	7.4	22	Yes	2018
5	03/05/25	16:59	0.72	117	84.2	13.1	7.4	22	Yes	1996
6	03/06/25	13:59	0.73	116	84.3	13.0	7.3	22	Yes	2018
7	03/07/25	0:59	0.73	117	86.1	13.1	7.3	22	Yes	1991
8	03/08/25	14:59	0.74	118	86.6	13.1	7.3	22	Yes	1984
9	03/09/25	8:59	0.74	117	86.0	13.1	7.3	22	Yes	2002
10	03/10/25	10:59	0.75	118	88.0	13.1	7.5	22	Yes	1984
11	03/11/25	21:59	0.72	118	85.1	13.2	8.2	32	Yes	1978
12	03/12/25	16:59	0.74	118	86.8	13.1	7.5	22	Yes	1982
13	03/13/25	13:59	0.73	118	86.6	13.2	7.4	22	Yes	1980
14	03/14/25	14:59	0.73	117	85.1	13.1	7.4	22	Yes	1999
15	03/15/25	13:59	0.72	116	83.2	13.2	7.4	22	Yes	2023
16	03/16/25	12:59	0.72	116	83.6	13.1	7.3	22	Yes	2009
17	03/17/25	6:59	0.71	117	83.0	13.0	7.4	22	Yes	2007
18	03/18/25	13:59	0.71	117	82.7	13.0	7.5	22	Yes	2001
19	03/19/25	16:59	0.70	116	81.2	13.1	7.3	22	Yes	2015
20	03/20/25	10:59	0.69	116	80.3	13.0	7.4	22	Yes	2014
21	03/21/25	13:59	0.72	117	84.3	13.1	7.4	22	Yes	2006
22	03/22/25	14:59	0.70	116	81.7	13.0	7.4	22	Yes	2012
23	03/23/25	15:59	0.71	115	82.1	13.1	7.4	22	Yes	2026
24	03/24/25	16:59	0.71	116	83.1	13.1	7.3	22	Yes	2010
25	03/25/25	13:59	0.71	116	81.8	13.1	7.4	22	Yes	2019
26	03/26/25	16:59	0.71	116	81.6	13.1	7.4	22	Yes	2020
27	03/27/25	6:59	0.69	116	80.5	13.1	7.4	22	Yes	2020
28	03/28/25	14:59	0.68	115	78.1	13.0	7.5	22	Yes	2037
29	03/29/25	7:59	0.63	115	72.8	12.9	7.6	26	Yes	2038
30	03/30/25	15:59	0.62	114	70.0	12.9	7.8	26	Yes	2056
31	03/31/25	4:59	0.60	113	68.0	12.8	7.9	26	Yes	2061

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