

Membrane Filter Monthly Operating Report

County: **Columbia**

System Name: **St. Helens**

Month/Year: **Jan-2025**

PWS ID#: 41 - **00724**

Minimum test pressure **applied**: **30** psi

Plant 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

PDR_{Max} [psi/min]

0.074

LRC [log removal]

4.00

DIT

Daily

Day	CFE Daily Turbidity [NTU]	Highest CFE* [NTU]	Highest IFE [NTU]	Highest PDR of day [psi/min]	Lowest LRV _{ambient} of day [log removal]	[Y/N] or "off"
1	0.013	0.01	0.084	0.04	4.57	Y
2	0.012	0.01	0.107	0.03	4.69	Y
3	0.013	0.01	0.111	0.04	4.58	Y
4	0.014	0.02	0.065	0.04	4.56	Y
5	0.014	0.02	0.060	0.04	4.58	Y
6	0.014	0.01	0.035	0.04	4.58	Y
7	0.014	0.01	0.036	0.02	4.88	Y
8	0.015	0.02	0.058	0.03	4.69	Y
9	0.013	0.01	0.043	0.03	4.65	Y
10	0.014	0.01	0.041	0.03	4.73	Y
11	0.014	0.01	0.034	0.03	4.69	Y
12	0.013	0.01	0.054	0.03	4.65	Y
13	0.013	0.01	0.036	0.03	4.71	Y
14	0.014	0.01	0.034	0.04	4.67	Y
15	0.014	0.01	0.034	0.04	4.60	Y
16	0.014	0.01	0.037	0.04	4.58	Y
17	0.013	0.01	0.035	0.04	4.60	Y
18	0.013	0.01	0.033	0.04	4.55	Y
19	0.015	0.01	0.036	0.04	4.53	Y
20	0.014	0.01	0.042	0.04	4.61	Y
21	0.015	0.02	0.034	0.04	4.58	Y
22	0.014	0.01	0.037	0.03	4.71	Y
23	0.026	0.03	0.050	0.03	4.72	Y
24	0.016	0.02	0.046	0.03	4.73	Y
25	0.013	0.01	0.042	0.03	4.69	Y
26	0.014	0.01	0.052	0.03	4.76	Y
27	0.015	0.02	0.038	0.03	4.67	Y
28	0.013	0.01	0.046	0.03	4.73	Y
29	0.014	0.01	0.038	0.04	4.62	Y
30	0.013	0.02	0.040	0.05	4.61	Y
31	0.013	0.04	0.043	0.04	4.61	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**

SIGNATURE: 

Notes:

DATE: **2/3/25**

WT CERT #: 684854

PHONE #: 503-397-2344

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

January

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	01/01/25	14:59	0.69	115	79.4	13.5	7.8	26	Yes	2032
2	01/02/25	9:59	0.74	114	84.9	13.5	7.7	26	Yes	2044
3	01/03/25	19:59	0.78	114	89.3	13.6	7.5	22	Yes	2048
4	01/04/25	12:59	0.79	115	90.9	13.5	7.4	22	Yes	2041
5	01/05/25	4:59	0.80	113	89.8	13.5	7.4	22	Yes	2072
6	01/06/25	3:59	0.84	115	96.1	13.5	7.4	22	Yes	2039
7	01/07/25	2:59	0.82	115	93.6	13.5	7.4	22	Yes	2039
8	01/08/25	15:59	0.84	115	96.0	13.5	7.3	22	Yes	2036
9	01/09/25	16:59	0.79	115	90.8	13.5	7.3	22	Yes	2026
10	01/10/25	14:59	0.75	115	86.4	13.5	7.3	22	Yes	2025
11	01/11/25	9:59	0.91	117	106.1	13.4	7.5	22	Yes	2006
12	01/12/25	17:59	0.79	116	92.0	13.5	7.4	22	Yes	2017
13	01/13/25	16:59	0.85	116	98.2	13.4	7.4	22	Yes	2022
14	01/14/25	11:59	0.99	116	114.5	13.5	7.4	22	Yes	2012
15	01/15/25	11:59	0.94	117	109.5	13.4	7.4	22	Yes	2001
16	01/16/25	1:59	0.92	116	106.6	13.5	7.4	22	Yes	2008
17	01/17/25	5:59	0.92	117	107.2	13.4	7.3	22	Yes	2007
18	01/18/25	16:59	0.92	117	108.1	13.5	7.3	22	Yes	1994
19	01/19/25	13:59	0.92	117	107.7	13.4	7.3	22	Yes	1998
20	01/20/25	19:59	0.91	118	107.5	13.3	7.4	22	Yes	1988
21	01/21/25	22:59	0.90	118	106.0	13.3	7.3	22	Yes	1979
22	01/22/25	13:59	0.82	117	96.2	13.3	7.3	22	Yes	2000
23	01/23/25	8:59	0.80	118	94.7	13.2	7.4	22	Yes	1983
24	01/24/25	16:59	0.81	118	95.1	13.4	7.3	22	Yes	1987
25	01/25/25	5:59	0.80	117	93.3	13.3	7.4	22	Yes	1995
26	01/26/25	20:59	0.77	118	91.5	13.3	7.4	22	Yes	1975
27	01/27/25	11:59	0.78	118	91.3	13.4	7.2	22	Yes	1990
28	01/28/25	14:59	0.78	119	92.3	13.4	7.2	22	Yes	1973
29	01/29/25	15:59	0.78	119	92.2	13.4	7.4	22	Yes	1972
30	01/30/25	13:59	0.77	117	90.9	13.4	7.4	22	Yes	1993
31	01/31/25	1:59	0.77	118	91.1	13.4	7.4	22	Yes	1985

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot