

Membrane Filter Monthly Operating Report

County: **Columbia**

System Name: **St. Helens**

Month/Year: **May-2024**

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

PDR_{Max} [psi/min]

LRC [log removal]

LRC = Log Removal Credit

0.074

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	0.018	0.02	0.030	0.04	4.63	Y
2	0.020	0.02	0.029	0.05	4.59	Y
3	0.019	0.02	0.031	0.05	4.53	Y
4	0.018	0.02	0.031	0.04	4.62	Y
5	0.018	0.03	0.032	0.04	4.62	Y
6	0.018	0.02	0.030	0.04	4.63	Y
7	0.018	0.02	0.031	0.03	4.74	Y
8	0.019	0.02	0.037	0.04	4.61	Y
9	0.020	0.02	0.072	0.04	4.61	Y
10	0.019	0.02	0.041	0.04	4.61	Y
11	0.019	0.02	0.043	0.04	4.61	Y
12	0.019	0.02	0.043	0.03	4.74	Y
13	0.019	0.02	0.040	0.03	4.74	Y
14	0.018	0.02	0.038	0.03	4.74	Y
15	0.020	0.02	0.040	0.03	4.75	Y
16	0.019	0.02	0.085	0.04	4.61	Y
17	0.019	0.02	0.043	0.04	4.62	Y
18	0.020	0.02	0.079	0.04	4.62	Y
19	0.020	0.02	0.046	0.04	4.63	Y
20	0.019	0.02	0.048	0.04	4.61	Y
21	0.029	0.03	0.061	0.04	4.61	Y
22	0.028	0.03	0.045	0.04	4.62	Y
23	0.028	0.03	0.061	0.04	4.63	Y
24	0.019	0.03	0.055	0.04	4.61	Y
25	0.019	0.02	0.069	0.04	4.63	Y
26	0.019	0.02	0.047	0.04	4.61	Y
27	0.019	0.02	0.036	0.04	4.62	Y
28	0.019	0.02	0.056	0.04	4.62	Y
29	0.018	0.02	0.038	0.04	4.63	Y
30	0.021	0.02	0.051	0.03	4.74	Y
31	0.019	0.02	0.058	0.03	4.71	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: **5/24/24**

WT CERT #: **684854**

PHONE #: **503-397-2344**

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

May

Year:

2024

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	05/01/24	0:59	0.70	117	81.2	13.3	7.6	26	Yes	2006
2	05/02/24	23:59	0.69	117	80.9	13.3	7.4	22	Yes	2003
3	05/03/24	11:59	0.66	117	77.8	13.2	7.5	22	Yes	1999
4	05/04/24	22:59	0.64	116	74.7	13.3	7.6	26	Yes	2017
5	05/05/24	12:59	0.66	115	75.9	13.3	7.6	26	Yes	2025
6	05/06/24	23:59	0.65	115	75.0	13.3	7.5	22	Yes	2032
7	05/07/24	14:59	0.65	115	75.1	13.3	7.6	26	Yes	2028
8	05/08/24	12:59	0.65	114	74.4	13.3	7.5	22	Yes	2046
9	05/09/24	11:59	0.65	115	74.5	13.3	7.5	22	Yes	2025
10	05/10/24	0:59	0.65	115	74.0	13.4	7.4	22	Yes	2040
11	05/11/24	9:59	0.65	116	75.5	13.4	7.5	22	Yes	2015
12	05/12/24	11:59	0.64	115	73.8	13.3	7.5	22	Yes	2042
13	05/13/24	9:59	0.28	116	32.7	13.3	7.5	22	Yes	2015
14	05/14/24	11:59	0.65	116	75.5	13.3	7.5	22	Yes	2023
15	05/15/24	9:59	0.65	115	74.7	13.4	7.5	22	Yes	2026
16	05/16/24	16:59	0.64	116	74.6	13.4	7.4	22	Yes	2017
17	05/17/24	19:59	0.64	117	74.3	13.4	7.5	22	Yes	2004
18	05/18/24	11:59	0.69	115	79.4	13.4	7.6	26	Yes	2038
19	05/19/24	12:59	0.70	116	81.3	13.4	7.5	22	Yes	2012
20	05/20/24	15:59	0.70	115	81.0	13.4	7.5	22	Yes	2025
21	05/21/24	22:59	0.74	116	85.4	13.4	7.5	22	Yes	2013
22	05/22/24	12:59	0.71	116	81.8	13.4	7.6	26	Yes	2022
23	05/23/24	14:59	0.69	116	80.7	13.4	7.5	22	Yes	2010
24	05/24/24	12:59	0.72	115	82.5	13.4	7.5	22	Yes	2026
25	05/25/24	11:59	0.70	116	81.6	13.4	7.6	26	Yes	2020
26	05/26/24	13:59	0.70	115	80.9	13.4	7.4	22	Yes	2033
27	05/27/24	21:59	0.69	116	80.5	13.4	7.5	22	Yes	2010
28	05/28/24	11:59	0.69	117	81.5	13.4	7.4	22	Yes	1994
29	05/29/24	13:59	0.71	116	82.1	13.4	7.6	26	Yes	2009
30	05/30/24	11:59	0.70	117	81.8	13.4	7.6	26	Yes	1999
31	05/31/24	12:59	0.68	117	79.5	13.4	7.5	22	Yes	2006

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