

**Membrane Filter Monthly Operating Report**

County: **Columbia**

System Name: **St. Helens**

Month/Year: **Dec-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<sub>Max</sub> [<sup>psi</sup>/min]

LRC [log removal]

DIT  
Daily

LRC = Log Removal Credit

0.074

4.00

Day	CFE Daily Turbidity [NTU]	Highest CFE* [NTU]	Highest IFE [NTU]	Highest PDR of day [ <sup>psi</sup> /min]	Lowest LRV <sub>ambient</sub> of day [log removal]	[Y/N] or "off"
1	0.020	0.02	0.031	0.04	4.63	Y
2	0.020	0.02	0.032	0.04	4.59	Y
3	0.020	0.02	0.031	0.04	4.62	Y
4	0.020	0.02	0.045	0.05	4.52	Y
5	0.025	0.05	0.032	0.05	4.53	Y
6	0.020	0.03	0.031	0.05	4.53	Y
7	0.020	0.02	0.031	0.05	4.53	Y
8	0.020	0.02	0.031	0.04	4.62	Y
9	0.020	0.02	0.031	0.04	4.62	Y
10	0.020	0.03	0.031	0.04	4.62	Y
11	0.020	0.02	0.033	0.04	4.59	Y
12	0.020	0.02	0.031	0.04	4.62	Y
13	0.020	0.02	0.031	0.04	4.60	Y
14	0.020	0.02	0.031	0.04	4.59	Y
15	0.021	0.02	0.033	0.04	4.62	Y
16	0.020	0.02	0.031	0.04	4.62	Y
17	0.022	0.02	0.031	0.04	4.62	Y
18	0.021	0.02	0.031	0.04	4.62	Y
19	0.020	0.02	0.033	0.05	4.59	Y
20	0.020	0.02	0.036	0.04	4.62	Y
21	0.019	0.02	0.031	0.04	4.59	Y
22	0.021	0.02	0.040	0.04	4.61	Y
23	0.020	0.02	0.033	0.04	4.61	Y
24	0.020	0.02	0.030	0.04	4.61	Y
25	0.019	0.02	0.030	0.04	4.61	Y
26	0.014	0.01	0.031	0.04	4.61	Y
27	0.012	0.01	0.036	0.04	4.61	Y
28	0.013	0.01	0.051	0.04	4.60	Y
29	0.013	0.01	0.031	0.04	4.59	Y
30	0.013	0.01	0.043	0.05	4.49	Y
31	0.013	0.01	0.035	0.05	4.49	Y

**Compliance summary (operator to complete any blank fields)**

95% of daily turbidity readings ≤ 1 NTU? [Y/N] <b>Yes</b>	All turbidity readings ≤ 5 NTU? [Y/N] <b>Yes</b>	All IFE turbidity readings ≤ 0.15 NTU? [Y/N] <b>Yes</b>	Performance std met? [Y/N] (PDR ≤ PDR <sub>Max</sub> , LRV ≥ LRC) <b>Yes</b>	DIT Daily? <b>Yes</b>
CT's met daily? (p. 2)	All Cl <sub>2</sub> residual at EP ≥ 0.2 mg/L?	PDR ≤ PDR <sub>Max</sub> ? <b>Yes</b>	LRV <sub>ambient</sub> ≥ LRC? <b>Yes</b>	

PRINTED NAME: **Aaron Kunders**

SIGNATURE: 

Notes:

DATE: **1/16/25**

WT CERT #: 684854

PHONE #: 503-397-2344



## OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

December

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	12/01/24	8:59	0.64	117	74.4	14.1	7.4	22	Yes	1995
2	12/02/24	22:59	0.64	117	75.0	14.0	7.4	22	Yes	1990
3	12/03/24	14:59	1.02	118	120.5	14.1	7.4	23	Yes	1978
4	12/04/24	22:59	0.83	117	97.4	14.1	7.4	22	Yes	1996
5	12/05/24	11:59	0.76	117	89.5	14.0	7.4	22	Yes	1994
6	12/06/24	23:59	0.76	118	90.0	14.1	7.4	22	Yes	1980
7	12/07/24	13:59	0.81	119	96.1	14.1	7.4	22	Yes	1971
8	12/08/24	8:59	0.82	118	96.9	14.0	7.3	22	Yes	1981
9	12/09/24	10:59	0.84	119	99.3	14.1	7.3	22	Yes	1972
10	12/10/24	0:59	0.80	119	95.2	14.1	7.4	22	Yes	1972
11	12/11/24	12:59	0.78	118	92.4	14.0	7.4	22	Yes	1978
12	12/12/24	13:59	0.80	118	93.8	14.0	7.3	22	Yes	1988
13	12/13/24	14:59	0.80	118	94.6	14.0	7.5	26	Yes	1976
14	12/14/24	13:59	0.80	117	93.7	14.1	7.4	22	Yes	2005
15	12/15/24	8:59	0.80	115	92.8	14.0	7.6	26	Yes	2026
16	12/16/24	10:59	0.81	117	95.1	14.0	7.3	22	Yes	2002
17	12/17/24	12:59	0.81	117	94.8	14.0	7.4	22	Yes	1992
18	12/18/24	13:59	0.80	117	93.1	14.1	7.1	22	Yes	2004
19	12/19/24	14:59	0.79	116	91.1	14.1	7.5	26	Yes	2024
20	12/20/24	14:59	0.78	114	89.0	14.0	7.3	22	Yes	2043
21	12/21/24	15:59	0.79	115	91.1	13.9	7.4	22	Yes	2025
22	12/22/24	13:59	0.81	115	93.0	13.9	7.3	22	Yes	2030
23	12/23/24	13:59	0.81	117	95.0	13.9	7.4	22	Yes	1995
24	12/24/24	16:59	0.81	117	94.5	13.9	7.3	22	Yes	1999
25	12/25/24	17:59	0.81	117	94.9	13.9	7.5	27	Yes	2007
26	12/26/24	9:59	0.65	115	74.6	13.8	7.9	26	Yes	2033
27	12/27/24	12:59	0.69	116	79.3	13.7	8.1	32	Yes	2024
28	12/28/24	12:59	0.66	114	75.0	13.8	7.8	26	Yes	2046
29	12/29/24	14:59	0.61	115	69.9	13.7	7.8	26	Yes	2041
30	12/30/24	19:59	0.64	115	73.6	13.6	8.0	26	Yes	2035
31	12/31/24	6:59	0.70	114	80.5	13.7	7.9	26	Yes	2044

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