

**Membrane Filter Monthly Operating Report**

County: **Columbia**

System Name: **St. Helens**

Month/Year: **Mar-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 , 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	0.016	0.02	0.036	0.05	4.55	Y
2	0.016	0.02	0.036	0.04	4.62	Y
3	0.016	0.02	0.036	0.05	4.52	Y
4	0.017	0.02	0.036	0.05	4.52	Y
5	0.016	0.02	0.036	0.04	4.70	Y
6	0.022	0.02	0.037	0.04	4.61	Y
7	0.016	0.02	0.036	0.06	4.44	Y
8	0.016	0.02	0.036	0.06	4.44	Y
9	0.017	0.02	0.035	0.04	4.62	Y
10	0.016	0.02	0.035	0.04	4.62	Y
11	0.016	0.02	0.035	0.04	4.62	Y
12	0.016	0.02	0.037	0.04	4.61	Y
13	0.017	0.02	0.036	0.04	4.60	Y
14	0.017	0.02	0.035	0.04	4.60	Y
15	0.017	0.02	0.036	0.04	4.61	Y
16	0.017	0.02	0.036	0.04	4.61	Y
17	0.017	0.02	0.035	0.04	4.62	Y
18	0.017	0.02	0.035	0.04	4.62	Y
19	0.017	0.02	0.036	0.04	4.62	Y
20	0.017	0.02	0.036	0.04	4.61	Y
21	0.017	0.02	0.035	0.04	4.61	Y
22	0.017	0.02	0.036	0.04	4.61	Y
23	0.016	0.02	0.038	0.04	4.61	Y
24	0.016	0.02	0.041	0.04	4.61	Y
25	0.016	0.02	0.036	0.04	4.62	Y
26	0.016	0.02	0.036	0.04	4.62	Y
27	0.017	0.02	0.035	0.03	4.67	Y
28	0.016	0.02	0.046	0.03	4.71	Y
29	0.017	0.02	0.036	0.04	4.62	Y
30	0.017	0.02	0.036	0.04	4.62	Y
31	0.017	0.02	0.036	0.04	4.74	* 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 Kanders**

DATE: **1-Apr-24**

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:

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	03/01/24	14:59	0.65	115	75.2	13.0	7.6	26	Yes	2027
2	03/02/24	17:59	0.64	115	74.1	12.9	7.6	26	Yes	2034
3	03/03/24	14:59	0.68	112	76.0	12.9	7.5	22	Yes	2085
4	03/04/24	4:59	0.67	115	77.6	12.9	7.5	22	Yes	2026
5	03/05/24	16:59	0.69	116	79.5	12.9	7.6	26	Yes	2024
6	03/06/24	13:59	0.69	115	78.9	12.9	7.4	22	Yes	2039
7	03/07/24	15:59	0.69	116	79.8	13.0	7.6	26	Yes	2014
8	03/08/24	14:59	0.69	114	78.5	12.9	7.5	22	Yes	2051
9	03/09/24	0:59	0.70	116	80.8	13.1	7.5	22	Yes	2018
10	03/10/24	3:59	0.68	116	78.7	12.9	7.5	22	Yes	2021
11	03/11/24	10:59	0.68	114	77.4	13.0	7.5	22	Yes	2052
12	03/12/24	12:59	0.67	112	74.8	13.0	7.5	22	Yes	2087
13	03/13/24	11:59	0.65	114	74.2	12.9	7.6	26	Yes	2049
14	03/14/24	12:59	0.66	115	75.9	13.0	7.5	22	Yes	2026
15	03/15/24	12:59	0.69	115	78.5	13.1	7.4	22	Yes	2041
16	03/16/24	14:59	0.69	115	79.2	13.1	7.5	22	Yes	2025
17	03/17/24	7:59	0.70	115	80.5	13.0	7.5	22	Yes	2031
18	03/18/24	22:59	0.70	116	81.2	13.1	7.5	22	Yes	2018
19	03/19/24	15:59	0.70	116	81.9	13.1	7.6	26	Yes	2008
20	03/20/24	14:59	0.70	116	80.6	13.1	7.4	22	Yes	2022
21	03/21/24	0:59	0.76	117	88.6	13.1	7.5	22	Yes	1997
22	03/22/24	2:59	0.73	116	84.1	13.1	7.5	22	Yes	2021
23	03/23/24	3:59	0.71	116	81.7	13.1	7.5	22	Yes	2024
24	03/24/24	0:59	0.70	116	81.0	13.1	7.5	22	Yes	2023
25	03/25/24	12:59	0.69	116	80.5	13.1	7.6	26	Yes	2018
26	03/26/24	4:59	0.69	116	80.2	13.0	7.4	22	Yes	2019
27	03/27/24	14:59	0.69	116	80.3	13.0	7.5	22	Yes	2015
28	03/28/24	12:59	0.69	115	79.5	13.0	7.5	22	Yes	2040
29	03/29/24	14:59	0.69	115	78.7	13.1	7.5	22	Yes	2037
30	03/30/24	13:59	0.77	115	88.6	13.1	7.5	22	Yes	2034
31	03/31/24	1:59	0.77	115	88.5	13.1	7.4	22	Yes	2032

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot