

Membrane Filter Monthly Operating Report

County: **Columbia**

System Name: **St. Helens**

Month/Year: **Feb-2024**

PWS ID#: 41 - **00724**

Minimum test pressure applied: **30** psi

Plant 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

PDR _{Max} [psi/min]	LRC [log removal]
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	0.017	0.02	0.040	0.05	4.50	Y
2	0.016	0.02	0.047	0.05	4.50	Y
3	0.016	0.02	0.037	0.05	4.50	Y
4	0.017	0.02	0.041	0.04	4.61	Y
5	0.017	0.02	0.038	0.05	4.51	Y
6	0.017	0.02	0.037	0.05	4.51	Y
7	0.017	0.02	0.037	0.05	4.51	Y
8	0.016	0.02	0.035	0.05	4.53	Y
9	0.016	0.02	0.036	0.05	4.51	Y
10	0.017	0.02	0.035	0.05	4.51	Y
11	0.017	0.02	0.035	0.05	4.51	Y
12	0.017	0.02	0.037	0.04	4.60	Y
13	0.017	0.02	0.036	0.04	4.60	Y
14	0.017	0.02	0.038	0.04	4.60	Y
15	0.016	0.02	0.039	0.05	4.52	Y
16	0.017	0.02	0.038	0.05	4.52	Y
17	0.016	0.02	0.036	0.04	4.58	Y
18	0.016	0.02	0.037	0.04	4.61	Y
19	0.016	0.02	0.040	0.04	4.61	Y
20	0.016	0.02	0.038	0.04	4.61	Y
21	0.016	0.02	0.036	0.05	4.52	Y
22	0.016	0.02	0.043	0.05	4.52	Y
23	0.015	0.02	0.039	0.04	4.61	Y
24	0.016	0.02	0.041	0.05	4.52	Y
25	0.017	0.02	0.036	0.05	4.52	Y
26	0.016	0.02	0.036	0.04	4.60	Y
27	0.016	0.02	0.036	0.05	4.52	Y
28	0.017	0.02	0.038	0.05	4.53	Y
29	0.016	0.02	0.035	0.05	4.52	Y
30						
31						

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: **3/1/24**
 SIGNATURE:  WT CERT #: 684854
 Notes: PHONE #: 503-397-2344

* Used for optimization purposes only.

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

February

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	02/01/24	22:59	0.71	113	80.1	13.2	7.5	22	Yes	2076
2	02/02/24	15:59	0.71	114	80.7	13.1	7.4	22	Yes	2045
3	02/03/24	1:59	0.71	110	78.0	13.1	7.5	22	Yes	2118
4	02/04/24	14:59	0.77	115	88.0	13.1	7.5	22	Yes	2041
5	02/05/24	3:59	0.76	114	86.9	13.2	7.4	22	Yes	2046
6	02/06/24	0:59	0.75	114	86.2	13.1	7.5	22	Yes	2046
7	02/07/24	22:59	0.75	114	85.5	13.2	7.6	26	Yes	2044
8	02/08/24	23:59	0.74	115	85.3	13.1	7.6	26	Yes	2030
9	02/09/24	13:59	0.74	115	85.2	13.1	7.5	22	Yes	2026
10	02/10/24	14:59	0.74	115	84.7	13.2	7.4	22	Yes	2035
11	02/11/24	15:59	0.74	115	85.2	13.1	7.6	26	Yes	2034
12	02/12/24	1:59	0.74	116	85.6	13.2	7.5	22	Yes	2019
13	02/13/24	15:59	0.73	115	84.4	13.1	7.4	22	Yes	2033
14	02/14/24	22:59	0.73	115	84.7	13.0	7.4	22	Yes	2029
15	02/15/24	13:59	0.73	116	84.0	13.1	7.7	26	Yes	2023
16	02/16/24	2:59	0.72	116	83.1	13.1	7.5	22	Yes	2017
17	02/17/24	13:59	0.73	115	84.3	13.1	7.6	26	Yes	2029
18	02/18/24	17:59	0.73	116	84.4	13.1	7.5	22	Yes	2024
19	02/19/24	11:59	0.74	115	84.9	13.1	7.5	22	Yes	2028
20	02/20/24	7:59	0.73	115	84.4	13.1	7.5	22	Yes	2033
21	02/21/24	12:59	0.71	116	83.0	13.1	7.6	26	Yes	2009
22	02/22/24	1:59	0.71	115	81.6	13.2	7.5	22	Yes	2035
23	02/23/24	13:59	0.72	115	82.7	13.3	7.6	22	Yes	2027
24	02/24/24	12:59	0.72	116	83.2	13.2	7.5	22	Yes	2014
25	02/25/24	17:59	0.71	116	82.8	13.1	7.5	22	Yes	2014
26	02/26/24	15:59	0.71	116	82.6	13.1	7.5	22	Yes	2016
27	02/27/24	3:59	0.60	116	68.9	13.0	7.5	22	Yes	2020
28	02/28/24	4:59	0.64	116	74.2	13.1	7.6	26	Yes	2015
29	02/29/24	14:59	0.70	115	80.1	13.0	7.7	26	Yes	2041

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot