

Membrane Filter Monthly Operating Report

County: **Columbia**

System Name: **St. Helens**

Month/Year: **Jun-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]

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	0.018	0.02	0.042	0.04	4.63	Y
2	0.018	0.02	0.057	0.04	4.62	Y
3	0.019	0.02	0.043	0.04	4.63	Y
4	0.018	0.02	0.061	0.04	4.64	Y
5	0.018	0.02	0.047	0.04	4.63	Y
6	0.018	0.02	0.056	0.04	4.62	Y
7	0.018	0.02	0.045	0.03	4.73	Y
8	0.019	0.02	0.061	0.04	4.63	Y
9	0.018	0.02	0.039	0.04	4.62	Y
10	0.018	0.02	0.072	0.04	4.62	Y
11	0.019	0.19	0.039	0.04	4.62	Y
12	0.035	1.00	0.063	0.04	4.62	Y
13	0.027	0.05	0.058	0.04	4.62	Y
14	0.024	0.06	0.058	0.03	4.74	Y
15	0.021	0.04	0.040	0.04	4.62	Y
16	0.021	0.04	0.040	0.04	4.62	Y
17	0.020	0.04	0.041	0.04	4.62	Y
18	0.025	0.04	0.054	0.05	4.53	Y
19	0.020	0.03	0.048	0.05	4.53	Y
20	0.025	0.03	0.068	0.04	4.64	Y
21	0.026	0.03	0.047	0.04	4.73	Y
22	0.024	0.03	0.073	0.03	4.74	Y
23	0.023	0.02	0.039	0.03	4.75	Y
24	0.020	1.00	0.037	0.03	4.74	Y
25	0.025	0.05	0.061	0.03	4.74	Y
26	0.024	0.03	0.055	0.05	4.53	Y
27	0.026	0.60	0.039	0.05	4.53	Y
28	0.022	0.03	0.039	0.04	4.63	Y
29	0.021	0.03	0.075	0.04	4.63	Y
30	0.027	0.03	0.059	0.04	4.63	Y
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: **7/10/24**

SIGNATURE: 

WT CERT #: 684854

Notes: The high CFE readings were due to chemical injection changes

PHONE #: 503-397-2344

while repairs were being made. The IFE readings were unaffected

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

June

Year:

2024

DAY	DATE	Time of Peak Flow	Minimum Chlorine Residual (mg/L) C [AIT-4705]	Contact Time T (min)	Actual Minimum CXT	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	06/01/24	13:59	0.68	117	79.7	13.4	7.6	26	Yes	1997
2	06/02/24	4:59	0.65	117	76.3	13.5	7.5	26	Yes	1998
3	06/03/24	1:59	0.65	116	75.4	13.5	7.6	26	Yes	2013
4	06/04/24	12:59	0.64	116	74.6	13.5	7.6	26	Yes	2019
5	06/05/24	22:59	0.60	114	68.2	13.5	7.5	21	Yes	2047
6	06/06/24	21:59	0.55	115	62.7	13.5	7.5	21	Yes	2040
7	06/07/24	9:59	0.57	115	65.2	13.6	7.5	21	Yes	2033
8	06/08/24	16:59	0.54	115	62.2	13.6	7.5	21	Yes	2038
9	06/09/24	7:59	0.71	115	81.8	13.6	7.4	22	Yes	2032
10	06/10/24	12:59	0.71	116	81.6	13.6	7.3	22	Yes	2021
11	06/11/24	22:59	0.71	115	81.2	13.6	7.2	22	Yes	2032
12	06/12/24	11:59	0.70	114	79.9	13.6	6.9	18	Yes	2045
13	06/13/24	12:59	0.69	117	80.8	13.6	7.6	26	Yes	2002
14	06/14/24	0:59	0.69	117	80.5	13.6	7.6	26	Yes	2001
15	06/15/24	5:59	0.68	117	79.2	13.6	7.6	26	Yes	2006
16	06/16/24	6:59	0.67	117	78.0	13.6	7.6	26	Yes	1999
17	06/17/24	13:59	0.66	117	76.8	13.5	7.5	26	Yes	1995
18	06/18/24	11:59	0.66	116	76.4	13.6	7.6	26	Yes	2023
19	06/19/24	11:59	0.67	118	79.3	13.6	7.6	26	Yes	1984
20	06/20/24	13:59	0.69	117	80.8	13.6	7.6	26	Yes	1990
21	06/21/24	21:59	0.71	118	84.0	13.6	7.5	26	Yes	1987
22	06/22/24	13:59	0.71	117	82.8	13.6	7.6	26	Yes	1992
23	06/23/24	16:59	0.69	117	81.2	13.6	7.5	26	Yes	1999
24	06/24/24	9:59	0.69	117	80.1	13.6	7.6	26	Yes	2002
25	06/25/24	22:59	0.68	117	79.6	13.6	7.6	26	Yes	1999
26	06/26/24	3:59	0.68	118	80.1	13.6	7.6	26	Yes	1980
27	06/27/24	13:59	0.65	117	75.8	13.6	7.5	26	Yes	1996
28	06/28/24	16:59	0.66	118	77.7	13.6	7.8	26	Yes	1982
29	06/29/24	15:59	0.66	118	77.8	13.7	7.6	26	Yes	1978
30	06/30/24	12:59	0.67	117	78.2	13.7	7.5	26	Yes	1996

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot