

Membrane Filter Monthly Operating Report

County: **Columbia**

System Name: **St. Helens**

Month/Year: **Jul-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]

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 [psi/min]	Lowest LRV _{ambient} of day [log removal]	[Y/N] or "off"
1	0.020	0.10	0.084	0.04	4.63	Y
2	0.020	0.08	0.084	0.03	4.76	Y
3	0.049	0.05	0.075	0.03	4.74	Y
4	0.032	0.03	0.086	0.03	4.75	Y
5	0.026	0.03	0.106	0.03	4.79	Y
6	0.033	0.03	0.111	0.03	4.75	Y
7	0.032	0.03	0.080	0.03	4.75	Y
8	0.020	0.03	0.082	0.03	4.75	Y
9	0.020	0.04	0.094	0.03	4.75	Y
10	0.022	0.02	0.072	0.04	4.60	Y
11	0.020	0.03	0.058	0.04	4.66	Y
12	0.020	0.03	0.071	0.04	4.60	Y
13	0.020	0.03	0.068	0.04	4.55	Y
14	0.031	0.03	0.055	0.03	4.77	Y
15	0.025	0.03	0.077	0.03	4.75	Y
16	0.030	0.03	0.080	0.03	4.72	Y
17	0.021	0.03	0.081	0.03	4.74	Y
18	0.020	0.03	0.081	0.03	4.77	Y
19	0.020	0.03	0.048	0.03	4.78	Y
20	0.020	0.03	0.049	0.03	4.77	Y
21	0.030	0.03	0.046	0.03	4.77	Y
22	0.030	0.03	0.045	0.03	4.77	Y
23	0.020	0.03	0.051	0.03	4.77	Y
24	0.030	0.03	0.073	0.04	4.61	Y
25	0.028	0.03	0.038	0.04	4.57	Y
26	0.030	0.03	0.055	0.03	4.77	Y
27	0.029	0.03	0.043	0.03	4.78	Y
28	0.020	0.03	0.049	0.04	4.63	Y
29	0.029	0.03	0.042	0.04	4.64	Y
30	0.029	0.03	0.069	0.04	4.60	Y
31	0.031	0.03	0.041	0.04	4.64	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**

DATE: August 5th, 2024

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:

July

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	07/01/24	13:59	0.65	87	56.3	13.1	7.3	22	Yes	2683
2	07/02/24	12:59	0.69	87	59.7	13.0	7.4	22	Yes	2693
3	07/03/24	7:59	0.80	85	68.2	13.1	7.7	26	Yes	2741
4	07/04/24	20:59	0.77	86	66.1	13.1	7.7	26	Yes	2717
5	07/05/24	17:59	0.77	87	66.8	13.1	7.5	22	Yes	2693
6	07/06/24	23:59	0.76	85	64.9	13.1	7.5	22	Yes	2746
7	07/07/24	9:59	0.75	86	64.2	13.2	7.5	22	Yes	2720
8	07/08/24	12:59	0.74	87	64.4	13.2	7.6	26	Yes	2702
9	07/09/24	8:59	0.73	87	63.1	13.2	7.6	26	Yes	2702
10	07/10/24	20:59	0.72	86	62.0	13.2	7.6	26	Yes	2711
11	07/11/24	8:59	0.74	87	63.8	13.2	7.6	26	Yes	2701
12	07/12/24	8:59	0.73	87	63.9	13.2	7.5	22	Yes	2687
13	07/13/24	5:59	0.73	87	63.1	13.2	7.5	22	Yes	2695
14	07/14/24	7:59	0.72	87	62.5	13.2	7.5	22	Yes	2687
15	07/15/24	20:59	0.71	87	61.9	13.2	7.5	22	Yes	2690
16	07/16/24	20:59	0.70	85	59.4	13.3	7.5	22	Yes	2755
17	07/17/24	20:59	0.69	86	59.5	13.3	7.5	22	Yes	2710
18	07/18/24	20:59	0.67	86	57.4	13.4	7.5	22	Yes	2710
19	07/19/24	5:59	0.65	85	56.0	13.4	7.5	22	Yes	2735
20	07/20/24	14:59	0.65	85	55.6	13.4	7.5	22	Yes	2742
21	07/21/24	8:59	0.64	86	55.1	13.4	7.6	26	Yes	2724
22	07/22/24	9:59	0.64	86	54.8	13.4	7.5	22	Yes	2721
23	07/23/24	2:59	0.62	86	53.5	13.4	7.5	22	Yes	2714
24	07/24/24	14:59	0.62	87	54.0	13.4	7.5	22	Yes	2699
25	07/25/24	11:59	0.61	86	52.2	13.5	7.5	22	Yes	2732
26	07/26/24	7:59	0.62	86	53.1	13.5	7.4	22	Yes	2714
27	07/27/24	9:59	0.61	86	52.4	13.5	7.5	22	Yes	2727
28	07/28/24	15:59	0.61	86	52.4	13.5	7.5	22	Yes	2727
29	07/29/24	8:59	0.61	86	52.2	13.5	7.5	22	Yes	2733
30	07/30/24	4:59	0.60	84	50.5	13.6	7.5	22	Yes	2770
31	07/31/24	7:59	0.61	85	51.6	13.6	7.5	22	Yes	2757

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