

Membrane Filter Monthly Operating Report

County: **Columbia**

System Name: **St. Helens**

Month/Year: **Apr-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

PDR_{Max} [^{psi}/_{min}]

LRC [log removal]

LRC = Log Removal Credit

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	0.036	0.038	4.61	Y
2	0.017	0.02	0.035	0.038	4.61	Y
3	0.017	0.02	0.035	0.038	4.62	Y
4	0.017	0.02	0.037	0.038	4.62	Y
5	0.016	0.02	0.037	0.038	4.63	Y
6	0.016	0.02	0.036	0.038	4.62	Y
7	0.017	0.02	0.035	0.038	4.64	Y
8	0.017	0.02	0.035	0.038	4.64	Y
9	0.022	0.02	0.035	0.038	4.62	Y
10	0.019	0.02	0.032	0.038	4.63	Y
11	0.019	0.02	0.035	0.038	4.63	Y
12	0.019	0.02	0.039	0.048	4.53	Y
13	0.018	0.02	0.031	0.048	4.53	Y
14	0.019	0.02	0.033	0.038	4.63	Y
15	0.019	0.02	0.031	0.038	4.61	Y
16	0.019	0.02	0.031	0.038	4.62	Y
17	0.019	0.02	0.031	0.048	4.54	Y
18	0.020	0.02	0.031	0.048	4.63	Y
19	0.019	0.02	0.031	0.038	4.62	Y
20	0.020	0.02	0.032	0.038	4.62	Y
21	0.020	0.02	0.031	0.038	4.62	Y
22	0.019	0.02	0.031	0.038	4.63	Y
23	0.019	0.02	0.042	0.038	4.62	Y
24	0.019	0.02	0.030	0.038	4.60	Y
25	0.019	0.02	0.031	0.048	4.62	Y
26	0.019	0.02	0.030	0.048	4.53	Y
27	0.019	0.02	0.030	0.038	4.60	Y
28	0.019	0.02	0.029	0.038	4.61	Y
29	0.018	0.03	0.030	0.038	4.61	Y
30	0.019	0.02	0.029	0.038	4.62	Y

Compliance summary (operator to complete any blank fields)

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

PRINTED NAME: **Aaron Kunders**

SIGNATURE: 

Notes:

DATE: **5/2/24**

WT CERT #: 684854

PHONE #: 503-397-2344

OHA - Drinking Water Program - Surface Water Quality Data Form

St Helens Oregon

PWS#4100724 WFP - A

Month:

April

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	04/01/24	14:59	0.75	115	86.7	13.1	7.4	22	Yes	2033
2	04/02/24	0:59	0.67	116	77.7	13.1	7.4	22	Yes	2023
3	04/03/24	0:59	0.75	116	87.5	13.1	7.5	22	Yes	2016
4	04/04/24	13:59	0.74	117	86.6	13.0	7.5	22	Yes	2000
5	04/05/24	13:59	0.71	117	82.7	13.1	7.6	26	Yes	2001
6	04/06/24	10:59	0.73	117	85.5	13.1	7.5	22	Yes	2007
7	04/07/24	13:59	0.71	116	82.0	13.2	7.5	22	Yes	2016
8	04/08/24	9:59	0.68	116	79.6	13.0	7.5	22	Yes	2010
9	04/09/24	8:59	0.75	116	87.2	13.2	7.6	26	Yes	2022
10	04/10/24	13:59	0.75	116	86.5	13.1	7.6	26	Yes	2018
11	04/11/24	15:59	0.73	116	84.9	13.2	7.5	22	Yes	2015
12	04/12/24	14:59	0.74	116	86.0	13.2	7.4	22	Yes	2014
13	04/13/24	15:59	0.74	116	85.5	13.2	7.5	22	Yes	2019
14	04/14/24	16:59	0.72	115	82.8	13.2	7.5	22	Yes	2031
15	04/15/24	12:59	0.74	117	86.6	13.1	7.4	22	Yes	2005
16	04/16/24	23:59	0.74	116	86.1	13.1	7.6	26	Yes	2009
17	04/17/24	14:59	0.72	117	83.8	13.1	7.5	22	Yes	2000
18	04/18/24	12:59	0.74	117	86.3	13.2	7.6	26	Yes	2003
19	04/19/24	14:59	0.74	118	86.7	13.2	7.6	26	Yes	1987
20	04/20/24	14:59	0.74	118	86.4	13.2	7.6	26	Yes	1990
21	04/21/24	14:59	0.73	117	85.7	13.2	7.5	22	Yes	1998
22	04/22/24	6:59	0.76	117	88.9	13.2	7.5	22	Yes	1993
23	04/23/24	20:59	0.69	117	80.8	13.3	7.5	22	Yes	2005
24	04/24/24	15:59	0.74	117	86.4	13.3	7.5	22	Yes	1990
25	04/25/24	17:59	0.75	117	87.2	13.3	7.6	26	Yes	2005
26	04/26/24	15:59	0.72	117	84.1	13.3	7.6	26	Yes	1995
27	04/27/24	7:59	0.73	117	85.1	13.3	7.5	22	Yes	1997
28	04/28/24	19:59	0.69	117	80.7	13.3	7.5	22	Yes	2006
29	04/29/24	14:59	0.71	116	82.6	13.3	7.4	22	Yes	2019
30	04/30/24	15:59	0.68	116	78.7	13.2	7.5	22	Yes	2008

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