

**Membrane Filter Monthly Operating Report**

County: **Columbia**

System Name: **St. Helens**

Month/Year: **Nov-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

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]	DIT Daily [Y/N] or "off"
				<b>0.074</b>	<b>4.00</b>	
1	0.023	0.02	0.068	0.04	4.63	Y
2	0.020	0.02	0.041	0.03	4.75	Y
3	0.020	0.02	0.037	0.03	4.71	Y
4	0.020	0.02	0.040	0.04	4.62	Y
5	0.022	0.02	0.033	0.04	4.59	Y
6	0.020	0.02	0.038	0.04	4.62	Y
7	0.021	0.02	0.038	0.04	4.56	Y
8	0.020	0.02	0.064	0.03	4.75	Y
9	0.021	0.02	0.061	0.03	4.69	Y
10	0.020	0.02	0.036	0.04	4.63	Y
11	0.020	0.02	0.040	0.04	4.62	Y
12	0.022	0.02	0.035	0.04	4.62	Y
13	0.021	0.02	0.034	0.04	4.63	Y
14	0.020	0.02	0.040	0.04	4.62	Y
15	0.020	0.02	0.033	0.04	4.63	Y
16	0.020	0.02	0.031	0.04	4.63	Y
17	0.020	0.02	0.031	0.04	4.63	Y
18	0.022	0.02	0.031	0.04	4.62	Y
19	0.020	0.02	0.031	0.04	4.62	Y
20	0.021	0.02	0.031	0.03	4.75	Y
21	0.021	0.02	0.040	0.03	4.80	Y
22	0.020	0.02	0.031	0.05	4.59	Y
23	0.020	0.02	0.031	0.05	4.52	Y
24	0.020	0.02	0.045	0.04	4.57	Y
25	0.021	0.02	0.031	0.04	4.62	Y
26	0.020	0.02	0.031	0.04	4.62	Y
27	0.020	0.02	0.031	0.04	4.62	Y
28	0.020	0.02	0.040	0.04	4.58	Y
29	0.022	0.02	0.031	0.04	4.62	Y
30	0.020	0.02	0.030	0.04	4.62	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 <sub>Max</sub> , LRV ≥ LRC)	DIT Daily?
Yes	Yes	Yes	Yes	Yes
CT's met daily? (p. 2)	All Cl <sub>2</sub> residual at EP ≥ 0.2 mg/L?	PDR ≤ PDR <sub>Max</sub> ?	LRV <sub>ambient</sub> ≥ LRC?	
		Yes	Yes	

PRINTED NAME: **Aaron Kunders** DATE: **12/3/2024**  
 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:

**November**

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	11/01/24	0:59	0.70	116	81.1	14.4	7.9	26	Yes	2014
2	11/02/24	2:59	0.68	117	79.5	14.4	7.7	26	Yes	1997
3	11/03/24	9:59	0.67	118	79.1	14.4	7.7	26	Yes	1989
4	11/04/24	23:59	0.69	118	81.2	14.5	7.7	26	Yes	1975
5	11/05/24	11:59	0.67	117	79.1	14.4	7.6	26	Yes	1994
6	11/06/24	1:59	0.69	118	81.0	14.4	7.4	22	Yes	1985
7	11/07/24	12:59	0.69	117	80.7	14.4	7.3	22	Yes	2000
8	11/08/24	0:59	0.69	118	82.0	14.4	7.3	22	Yes	1973
9	11/09/24	13:59	0.69	118	81.2	14.4	7.3	22	Yes	1979
10	11/10/24	15:59	0.68	118	80.4	14.4	7.4	22	Yes	1974
11	11/11/24	15:59	0.68	119	80.4	14.4	7.3	22	Yes	1966
12	11/12/24	5:59	0.68	118	79.6	14.3	7.4	22	Yes	1985
13	11/13/24	17:59	0.68	117	78.8	14.4	7.5	22	Yes	2007
14	11/14/24	14:59	0.67	115	76.7	13.5	7.3	22	Yes	2029
15	11/15/24	16:59	0.66	118	77.2	14.4	7.8	26	Yes	1985
16	11/16/24	17:59	0.66	117	76.9	14.4	7.7	26	Yes	1993
17	11/17/24	15:59	0.66	116	77.1	14.4	7.7	26	Yes	2008
18	11/18/24	3:59	0.64	116	74.5	14.4	7.8	26	Yes	2018
19	11/19/24	3:59	0.64	116	75.0	14.3	7.8	26	Yes	2008
20	11/20/24	14:59	0.64	116	74.9	14.3	7.5	22	Yes	2012
21	11/21/24	23:59	0.63	117	74.1	14.3	7.5	22	Yes	1999
22	11/22/24	0:59	0.65	117	75.7	14.4	7.5	22	Yes	1994
23	11/23/24	14:59	0.66	116	76.6	14.4	7.4	22	Yes	2009
24	11/24/24	14:59	0.67	117	77.9	14.3	7.4	22	Yes	2007
25	11/25/24	2:59	0.68	116	78.2	14.2	7.3	22	Yes	2020
26	11/26/24	2:59	0.69	117	80.5	14.3	7.3	22	Yes	2005
27	11/27/24	7:59	0.76	117	89.5	14.2	7.3	22	Yes	1991
28	11/28/24	12:59	0.72	117	83.6	14.2	7.3	22	Yes	2001
29	11/29/24	3:59	0.70	118	83.0	14.2	7.4	22	Yes	1985
30	11/30/24	2:59	0.68	118	79.8	14.2	7.5	22	Yes	1980

Notes:

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot