

**Membrane Filter Monthly Operating Report**

County: **Columbia**

System Name: **St. Helens**

Month/Year: **Feb-2025**

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

LRC = Log Removal Credit


<b>PDR<sub>Max</sub> [psi/min]</b>	<b>LRC [log removal]</b>
<b>0.074</b>	<b>4.00</b>

**DIT Daily**

Day	CFE Daily Turbidity [NTU]	Highest CFE* [NTU]	Highest IFE [NTU]	Highest PDR of day [psi/min]	Lowest LRV <sub>ambient</sub> of day [log removal]	[Y/N] or "off"
1	0.014	0.01	0.063	0.03	4.73	Y
2	0.013	0.01	0.042	0.04	4.61	Y
3	0.013	0.01	0.048	0.05	4.51	Y
4	0.013	0.01	0.043	0.05	4.51	Y
5	0.016	0.02	0.036	0.03	4.73	Y
6	0.014	0.01	0.052	0.04	4.61	Y
7	0.013	0.01	0.048	0.05	4.58	Y
8	0.020	0.02	0.038	0.04	4.61	Y
9	0.013	0.01	0.041	0.04	4.62	Y
10	0.014	0.02	0.036	0.03	4.74	Y
11	0.014	0.01	0.038	0.03	4.74	Y
12	0.015	0.03	0.038	0.03	4.74	Y
13	0.014	0.02	0.110	0.04	4.61	Y
14	0.014	0.01	0.037	0.04	4.61	Y
15	0.015	0.01	0.040	0.04	4.61	Y
16	0.015	0.01	0.036	0.04	4.69	Y
17	0.014	0.02	0.039	0.04	4.61	Y
18	0.014	0.01	0.038	0.04	4.61	Y
19	0.015	0.01	0.039	0.03	4.71	Y
20	0.013	0.01	0.036	0.04	4.61	Y
21	0.013	0.01	0.036	0.04	4.61	Y
22	0.014	0.01	0.038	0.03	4.74	Y
23	0.013	0.01	0.036	0.03	4.71	Y
24	0.016	0.02	0.036	0.03	4.74	Y
25	0.015	0.02	0.044	0.04	4.61	Y
26	0.013	0.02	0.037	0.04	4.60	Y
27	0.013	0.01	0.052	0.03	4.69	Y
28	0.015	0.01	0.043	0.03	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 <sub>Max</sub> , LRV ≥ LRC)	DIT Daily?
<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>
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?	
		<b>Yes</b>	<b>Yes</b>	

**PRINTED NAME:** Aaron Kunders **DATE:** 3-Mar-25  
**SIGNATURE:**  **WT CERT #:** 684854  
**Notes:** On 2/21, the highest IFE was taken directly after daily ITs and was 1.142. **PHONE #:** 503-397-2344  
 However, the reading was over .07 NTUs for less than two minutes.

**OHA - Drinking Water Program - Surface Water Quality Data Form**

**St Helens Oregon**

**PWS#4100724 WFP - A**

**Month:**

**February**

**Year:**

**2025**

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	02/01/25	17:59	0.76	117	89.0	13.4	7.4	22	Yes	2002
2	02/02/25	15:59	0.78	117	90.8	13.4	7.4	22	Yes	1997
3	02/03/25	12:59	0.78	117	91.2	13.4	7.4	22	Yes	1993
4	02/04/25	3:59	0.77	117	90.2	13.3	7.4	22	Yes	1991
5	02/05/25	14:59	0.82	118	96.8	13.4	7.3	22	Yes	1977
6	02/06/25	14:59	0.79	118	93.6	13.4	7.5	26	Yes	1979
7	02/07/25	14:59	0.86	117	100.5	13.3	7.3	22	Yes	1990
8	02/08/25	13:59	0.83	118	98.0	13.4	7.3	22	Yes	1989
9	02/09/25	16:59	0.82	118	97.3	13.3	7.3	22	Yes	1981
10	02/10/25	9:59	0.82	118	97.1	13.2	7.3	22	Yes	1986
11	02/11/25	23:59	0.84	119	100.1	13.3	7.4	22	Yes	1959
12	02/12/25	15:59	0.82	118	96.8	13.2	7.4	22	Yes	1974
13	02/13/25	16:59	0.81	118	95.8	13.3	7.3	22	Yes	1979
14	02/14/25	2:59	0.79	118	93.0	13.4	7.3	22	Yes	1977
15	02/15/25	3:59	0.78	119	92.8	13.3	7.4	22	Yes	1968
16	02/16/25	5:59	0.78	117	91.8	13.2	7.4	22	Yes	1993
17	02/17/25	2:59	0.77	118	90.9	13.4	7.3	22	Yes	1988
18	02/18/25	4:59	0.78	118	92.3	13.4	7.4	22	Yes	1979
19	02/19/25	15:59	0.77	117	90.1	13.3	7.3	22	Yes	1995
20	02/20/25	15:59	0.76	117	89.8	13.4	7.4	22	Yes	1991
21	02/21/25	0:59	0.77	119	91.1	13.4	7.4	22	Yes	1973
22	02/22/25	16:59	0.76	118	90.0	13.4	7.3	22	Yes	1982
23	02/23/25	13:59	0.77	118	90.5	13.4	7.3	22	Yes	1980
24	02/24/25	12:59	0.77	117	89.9	13.4	7.5	26	Yes	2000
25	02/25/25	15:59	0.74	115	85.8	13.3	7.7	26	Yes	2028
26	02/26/25	13:59	0.67	115	76.8	13.2	7.5	26	Yes	2027
27	02/27/25	13:59	0.65	116	75.3	13.1	7.3	22	Yes	2019
28	02/28/25	15:59	0.67	115	76.4	13.1	7.4	22	Yes	2040

**Notes:**

Clearwell Baffling Factor = 0.541

Min Clearwell Level = 432206 gallons 1

1 25.2' Pause level multiplied by 17155 gal/foot