

Membrane Filter Monthly Operating ReportCounty: **Columbia**System Name: **St. Helens**Month/Year: **Oct-2025**PWS ID#: 41 - **00724**Minimum test pressure applied: **30** psiPlant 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]

LRC [log removal]

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	0.015	0.01	0.039	0.04	4.65	Y
2	0.014	0.02	0.036	0.03	4.85	Y
3	0.014	0.01	0.030	0.03	4.83	Y
4	0.014	0.01	0.027	0.02	4.85	Y
5	0.014	0.01	0.027	0.02	4.94	Y
6	0.015	0.01	0.025	0.03	4.77	Y
7	0.014	0.02	0.023	0.03	4.77	Y
8	0.014	0.01	0.024	0.03	4.76	Y
9	0.014	0.01	0.026	0.03	4.76	Y
10	0.014	0.01	0.025	0.04	4.63	Y
11	0.014	0.01	0.022	0.04	4.64	Y
12	0.014	0.01	0.022	0.03	4.76	Y
13	0.015	0.01	0.023	0.03	4.76	Y
14	0.015	0.02	0.022	0.02	4.91	Y
15	0.015	0.02	0.022	0.03	4.74	Y
16	0.015	0.01	0.023	0.03	4.74	Y
17	0.014	0.01	0.035	0.02	4.91	Y
18	0.014	0.01	0.024	0.02	4.93	Y
19	0.014	0.02	0.022	0.03	4.76	Y
20	0.015	0.01	0.022	0.03	4.75	Y
21	0.014	0.02	0.021	0.02	4.93	Y
22	0.014	0.02	0.023	0.03	4.75	Y
23	0.015	0.01	0.025	0.03	4.76	Y
24	0.015	0.01	0.022	0.02	4.93	Y
25	0.014	0.01	0.025	0.02	4.93	Y
26	0.014	0.01	0.027	0.02	4.85	Y
27	0.015	0.01	0.022	0.03	4.76	Y
28	0.014	0.01	0.036	0.03	4.76	Y
29	0.015	0.01	0.022	0.03	4.76	Y
30	0.015	0.02	0.021	0.03	4.76	Y
31	0.015	0.02	0.022	0.03	4.81	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: **3-Nov-25**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:

October

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	10/01/25	12:59	0.70	85	59.6	14.5	7.4	22	Yes	2754
2	10/02/25	17:59	0.69	85	58.1	14.5	7.4	22	Yes	2765
3	10/03/25	8:59	0.69	85	58.3	14.6	7.4	22	Yes	2759
4	10/04/25	2:59	0.70	85	59.1	14.6	7.3	22	Yes	2750
5	10/05/25	20:59	0.68	85	57.8	14.6	7.4	22	Yes	2758
6	10/06/25	16:59	0.67	84	56.5	14.5	7.4	22	Yes	2787
7	10/07/25	5:59	0.67	87	58.6	14.4	7.6	26	Yes	2680
8	10/08/25	2:59	0.68	120	81.5	14.4	7.7	26	Yes	1956
9	10/09/25	15:59	0.68	120	81.0	14.4	7.5	26	Yes	1951
10	10/10/25	13:59	0.67	119	79.5	14.4	7.7	26	Yes	1958
11	10/11/25	8:59	0.66	119	78.4	14.4	7.6	26	Yes	1973
12	10/12/25	4:59	0.67	119	79.9	14.4	7.6	26	Yes	1968
13	10/13/25	8:59	0.66	120	78.6	14.4	7.7	26	Yes	1951
14	10/14/25	14:59	0.64	119	76.5	14.3	7.6	26	Yes	1960
15	10/15/25	11:59	0.65	119	77.5	14.4	7.5	26	Yes	1962
16	10/16/25	17:59	0.67	120	80.1	14.4	7.6	26	Yes	1948
17	10/17/25	12:59	0.67	120	80.1	14.4	7.6	26	Yes	1951
18	10/18/25	15:59	0.66	120	78.5	14.4	7.6	26	Yes	1953
19	10/19/25	14:59	0.64	119	76.3	14.4	7.6	26	Yes	1958
20	10/20/25	15:59	0.64	119	76.3	14.4	7.6	26	Yes	1962
21	10/21/25	5:59	0.65	120	78.1	14.4	7.6	26	Yes	1942
22	10/22/25	17:59	0.62	120	74.7	14.4	7.6	26	Yes	1950
23	10/23/25	13:59	0.63	120	75.6	14.5	7.6	26	Yes	1945
24	10/24/25	12:59	0.61	120	73.2	14.5	7.6	26	Yes	1954
25	10/25/25	2:59	0.63	120	74.9	14.5	7.6	26	Yes	1953
26	10/26/25	13:59	0.62	118	73.3	14.5	7.6	26	Yes	1974
27	10/27/25	2:59	0.62	119	74.4	14.5	7.6	26	Yes	1960
28	10/28/25	4:59	0.61	119	73.2	14.5	7.6	26	Yes	1963
29	10/29/25	17:59	0.62	119	73.2	14.5	7.5	26	Yes	1965
30	10/30/25	11:59	0.62	120	74.3	14.4	7.5	26	Yes	1950
31	10/31/25	12:59	0.70	120	84.1	14.4	7.5	26	Yes	1941

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