

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

PDR<sub>Max</sub> [<sup>psi</sup>/min]**0.074**

LRC [log removal]

**4.00****DIT  
Daily**

| 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] | [Y/N] or "off" |
|-----|---------------------------|--------------------|-------------------|-------------------------------------------|----------------------------------------------------|----------------|
| 1   | 0.015                     | 0.02               | 0.022             | 0.03                                      | 4.76                                               | Y              |
| 2   | 0.014                     | 0.01               | 0.022             | 0.03                                      | 4.76                                               | Y              |
| 3   | 0.014                     | 0.01               | 0.023             | 0.03                                      | 4.76                                               | Y              |
| 4   | 0.015                     | 0.01               | 0.021             | 0.03                                      | 4.73                                               | Y              |
| 5   | 0.015                     | 0.02               | 0.021             | 0.02                                      | 4.93                                               | Y              |
| 6   | 0.014                     | 0.01               | 0.023             | 0.02                                      | 4.92                                               | Y              |
| 7   | 0.014                     | 0.01               | 0.022             | 0.03                                      | 4.75                                               | Y              |
| 8   | 0.015                     | 0.02               | 0.022             | 0.03                                      | 4.75                                               | Y              |
| 9   | 0.014                     | 0.01               | 0.023             | 0.04                                      | 4.64                                               | Y              |
| 10  | 0.015                     | 0.01               | 0.021             | 0.04                                      | 4.62                                               | Y              |
| 11  | 0.015                     | 0.01               | 0.021             | 0.02                                      | 4.90                                               | Y              |
| 12  | 0.015                     | 0.01               | 0.023             | 0.02                                      | 4.93                                               | Y              |
| 13  | 0.014                     | 0.01               | 0.024             | 0.04                                      | 4.63                                               | Y              |
| 14  | 0.014                     | 0.01               | 0.021             | 0.04                                      | 4.71                                               | Y              |
| 15  | 0.014                     | 0.01               | 0.023             | 0.03                                      | 4.68                                               | Y              |
| 16  | 0.014                     | 0.01               | 0.021             | 0.03                                      | 4.83                                               | Y              |
| 17  | 0.015                     | 0.01               | 0.021             | 0.03                                      | 4.75                                               | Y              |
| 18  | 0.014                     | 0.01               | 0.022             | 0.03                                      | 4.75                                               | Y              |
| 19  | 0.014                     | 0.01               | 0.021             | 0.03                                      | 4.73                                               | Y              |
| 20  | 0.014                     | 0.01               | 0.021             | 0.03                                      | 4.76                                               | Y              |
| 21  | 0.014                     | 0.02               | 0.042             | 0.03                                      | 4.73                                               | Y              |
| 22  | 0.014                     | 0.01               | 0.022             | 0.03                                      | 4.75                                               | Y              |
| 23  | 0.014                     | 0.01               | 0.022             | 0.02                                      | 4.89                                               | Y              |
| 24  | 0.015                     | 0.01               | 0.021             | 0.03                                      | 4.84                                               | Y              |
| 25  | 0.014                     | 0.01               | 0.025             | 0.03                                      | 4.76                                               | Y              |
| 26  | 0.014                     | 0.01               | 0.022             | 0.03                                      | 4.77                                               | Y              |
| 27  | 0.014                     | 0.01               | 0.022             | 0.02                                      | 4.90                                               | Y              |
| 28  | 0.014                     | 0.01               | 0.022             | 0.02                                      | 4.93                                               | Y              |
| 29  | 0.015                     | 0.02               | 0.025             | 0.02                                      | 4.93                                               | Y              |
| 30  | 0.014                     | 0.01               | 0.023             | 0.03                                      | 4.75                                               | 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]<br>(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: **12/3/2025**SIGNATURE: 

WT CERT #: 684854

Notes:

PHONE #: 503-397-2344

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

St Helens Oregon

PWS#4100724 WFP - A

Month:

November

Year:

2025

| DAY | DATE     | Time of Peak Flow | Minimum Chlorine Residual (mg/L) <b>C</b><br>[AIT-4705] | Contact Time <b>T</b> (min) | Actual Minimum <b>C X T</b> | Temp. (Deg. C)<br>[TIT-4008] | pH<br>[AIT-4713] | Required CT from tables (0.5-log) | CT Met? Yes/No | Peak Hourly Demand Flow (GPM) |
|-----|----------|-------------------|---------------------------------------------------------|-----------------------------|-----------------------------|------------------------------|------------------|-----------------------------------|----------------|-------------------------------|
| 1   | 11/01/25 | 17:59             | 0.68                                                    | 119                         | 81.2                        | 14.4                         | 7.5              | 26                                | Yes            | 1959                          |
| 2   | 11/02/25 | 13:59             | 0.68                                                    | 120                         | 81.5                        | 14.5                         | 7.6              | 26                                | Yes            | 1957                          |
| 3   | 11/03/25 | 3:59              | 0.68                                                    | 120                         | 81.8                        | 14.5                         | 7.6              | 26                                | Yes            | 1952                          |
| 4   | 11/04/25 | 15:59             | 0.66                                                    | 120                         | 79.2                        | 14.5                         | 7.6              | 26                                | Yes            | 1955                          |
| 5   | 11/05/25 | 22:59             | 0.66                                                    | 118                         | 78.4                        | 14.5                         | 7.6              | 26                                | Yes            | 1976                          |
| 6   | 11/06/25 | 8:59              | 0.66                                                    | 118                         | 77.7                        | 14.6                         | 7.6              | 26                                | Yes            | 1977                          |
| 7   | 11/07/25 | 12:59             | 0.64                                                    | 117                         | 75.5                        | 14.6                         | 7.5              | 26                                | Yes            | 1997                          |
| 8   | 11/08/25 | 15:59             | 0.65                                                    | 118                         | 76.6                        | 14.5                         | 7.6              | 26                                | Yes            | 1979                          |
| 9   | 11/09/25 | 0:59              | 0.65                                                    | 118                         | 76.2                        | 14.7                         | 7.5              | 26                                | Yes            | 1986                          |
| 10  | 11/10/25 | 4:59              | 0.66                                                    | 119                         | 77.9                        | 14.6                         | 7.5              | 26                                | Yes            | 1972                          |
| 11  | 11/11/25 | 1:59              | 0.65                                                    | 118                         | 77.0                        | 14.6                         | 7.6              | 26                                | Yes            | 1979                          |
| 12  | 11/12/25 | 14:59             | 0.66                                                    | 119                         | 78.4                        | 14.6                         | 7.6              | 26                                | Yes            | 1972                          |
| 13  | 11/13/25 | 12:59             | 0.66                                                    | 119                         | 78.9                        | 14.6                         | 7.6              | 26                                | Yes            | 1959                          |
| 14  | 11/14/25 | 11:59             | 0.65                                                    | 118                         | 77.1                        | 14.5                         | 7.6              | 26                                | Yes            | 1975                          |
| 15  | 11/15/25 | 12:59             | 0.65                                                    | 119                         | 76.7                        | 14.5                         | 7.6              | 26                                | Yes            | 1966                          |
| 16  | 11/16/25 | 1:59              | 0.66                                                    | 119                         | 78.2                        | 14.5                         | 7.6              | 26                                | Yes            | 1970                          |
| 17  | 11/17/25 | 12:59             | 0.65                                                    | 118                         | 76.3                        | 14.5                         | 7.6              | 26                                | Yes            | 1989                          |
| 18  | 11/18/25 | 4:59              | 0.64                                                    | 118                         | 76.1                        | 14.4                         | 7.6              | 26                                | Yes            | 1980                          |
| 19  | 11/19/25 | 2:59              | 0.65                                                    | 119                         | 77.1                        | 14.5                         | 7.6              | 26                                | Yes            | 1964                          |
| 20  | 11/20/25 | 2:59              | 0.65                                                    | 119                         | 77.0                        | 14.5                         | 7.6              | 26                                | Yes            | 1964                          |
| 21  | 11/21/25 | 23:59             | 0.64                                                    | 119                         | 76.6                        | 14.5                         | 7.6              | 26                                | Yes            | 1960                          |
| 22  | 11/22/25 | 0:59              | 0.64                                                    | 119                         | 76.1                        | 14.4                         | 7.6              | 26                                | Yes            | 1968                          |
| 23  | 11/23/25 | 12:59             | 0.64                                                    | 118                         | 76.1                        | 14.4                         | 7.6              | 26                                | Yes            | 1975                          |
| 24  | 11/24/25 | 17:59             | 0.63                                                    | 119                         | 75.3                        | 14.4                         | 7.6              | 26                                | Yes            | 1971                          |
| 25  | 11/25/25 | 22:59             | 0.74                                                    | 120                         | 89.5                        | 14.3                         | 7.5              | 26                                | Yes            | 1943                          |
| 26  | 11/26/25 | 9:59              | 0.73                                                    | 118                         | 86.0                        | 14.4                         | 7.5              | 26                                | Yes            | 1982                          |
| 27  | 11/27/25 | 12:59             | 0.70                                                    | 119                         | 82.7                        | 14.4                         | 7.6              | 26                                | Yes            | 1973                          |
| 28  | 11/28/25 | 20:59             | 0.68                                                    | 118                         | 80.4                        | 14.4                         | 7.6              | 26                                | Yes            | 1983                          |
| 29  | 11/29/25 | 13:59             | 0.70                                                    | 120                         | 84.0                        | 14.3                         | 7.7              | 26                                | Yes            | 1955                          |
| 30  | 11/30/25 | 12:59             | 0.69                                                    | 119                         | 82.1                        | 14.4                         | 7.6              | 26                                | Yes            | 1969                          |

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