

**Membrane Filter Monthly Operating Report**County: **Columbia**System Name: **St. Helens**Month/Year: **Apr-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]

LRC [log removal]

**0.074****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   | 0.013                     | 0.01               | 0.040             | 0.02                                      | 4.89                                               | Y              |
| 2   | 0.013                     | 0.01               | 0.046             | 0.03                                      | 4.71                                               | Y              |
| 3   | 0.013                     | 0.01               | 0.056             | 0.03                                      | 4.73                                               | Y              |
| 4   | 0.013                     | 0.01               | 0.062             | 0.02                                      | 4.84                                               | Y              |
| 5   | 0.013                     | 0.01               | 0.044             | 0.02                                      | 4.87                                               | Y              |
| 6   | 0.014                     | 0.01               | 0.050             | 0.02                                      | 4.90                                               | Y              |
| 7   | 0.013                     | 0.02               | 0.058             | 0.02                                      | 4.83                                               | Y              |
| 8   | 0.013                     | 0.01               | 0.091             | 0.02                                      | 4.90                                               | Y              |
| 9   | 0.013                     | 0.01               | 0.047             | 0.02                                      | 4.91                                               | Y              |
| 10  | 0.013                     | 0.01               | 0.055             | 0.02                                      | 4.91                                               | Y              |
| 11  | 0.014                     | 0.01               | 0.038             | 0.02                                      | 4.88                                               | Y              |
| 12  | 0.013                     | 0.01               | 0.045             | 0.03                                      | 4.74                                               | Y              |
| 13  | 0.013                     | 0.01               | 0.046             | 0.03                                      | 4.68                                               | Y              |
| 14  | 0.013                     | 0.01               | 0.042             | 0.03                                      | 4.74                                               | Y              |
| 15  | 0.014                     | 0.01               | 0.072             | 0.03                                      | 4.75                                               | Y              |
| 16  | 0.013                     | 0.01               | 0.040             | 0.03                                      | 4.66                                               | Y              |
| 17  | 0.013                     | 0.01               | 0.039             | 0.03                                      | 4.73                                               | Y              |
| 18  | 0.013                     | 0.01               | 0.051             | 0.03                                      | 4.73                                               | Y              |
| 19  | 0.015                     | 0.01               | 0.037             | 0.03                                      | 4.74                                               | Y              |
| 20  | 0.015                     | 0.01               | 0.044             | 0.04                                      | 4.61                                               | Y              |
| 21  | 0.015                     | 0.01               | 0.049             | 0.04                                      | 4.61                                               | Y              |
| 22  | 0.013                     | 0.01               | 0.053             | 0.03                                      | 4.73                                               | Y              |
| 23  | 0.015                     | 0.01               | 0.039             | 0.02                                      | 4.91                                               | Y              |
| 24  | 0.013                     | 0.01               | 0.044             | 0.02                                      | 4.91                                               | Y              |
| 25  | 0.013                     | 0.01               | 0.038             | 0.02                                      | 4.89                                               | Y              |
| 26  | 0.014                     | 0.01               | 0.035             | 0.03                                      | 4.73                                               | Y              |
| 27  | 0.013                     | 0.01               | 0.045             | 0.03                                      | 4.74                                               | Y              |
| 28  | 0.013                     | 0.01               | 0.035             | 0.02                                      | 4.87                                               | Y              |
| 29  | 0.013                     | 0.01               | 0.035             | 0.02                                      | 4.91                                               | Y              |
| 30  | 0.015                     | 0.01               | 0.045             | 0.02                                      | 4.91                                               | 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]<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: **2-May-25**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:**

**April**

**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   | 04/01/25 | 3:59              | 0.59                                                    | 114                         | 67.0                        | 12.7                         | 7.9              | 26                                | Yes            | 2053                          |
| 2   | 04/02/25 | 3:59              | 0.62                                                    | 114                         | 71.4                        | 12.8                         | 7.8              | 26                                | Yes            | 2043                          |
| 3   | 04/03/25 | 12:59             | 0.62                                                    | 115                         | 71.4                        | 12.7                         | 7.6              | 26                                | Yes            | 2033                          |
| 4   | 04/04/25 | 14:59             | 0.68                                                    | 113                         | 77.3                        | 12.8                         | 7.3              | 22                                | Yes            | 2065                          |
| 5   | 04/05/25 | 15:59             | 0.72                                                    | 116                         | 83.0                        | 12.9                         | 7.4              | 22                                | Yes            | 2019                          |
| 6   | 04/06/25 | 14:59             | 0.72                                                    | 114                         | 82.3                        | 12.9                         | 7.4              | 22                                | Yes            | 2051                          |
| 7   | 04/07/25 | 4:59              | 0.72                                                    | 117                         | 83.8                        | 12.9                         | 7.3              | 22                                | Yes            | 2006                          |
| 8   | 04/08/25 | 13:59             | 0.72                                                    | 116                         | 83.7                        | 12.9                         | 7.4              | 22                                | Yes            | 2008                          |
| 9   | 04/09/25 | 13:59             | 0.72                                                    | 117                         | 83.7                        | 12.9                         | 7.4              | 22                                | Yes            | 1997                          |
| 10  | 04/10/25 | 23:59             | 0.72                                                    | 116                         | 82.9                        | 13.0                         | 7.3              | 22                                | Yes            | 2021                          |
| 11  | 04/11/25 | 12:59             | 0.71                                                    | 116                         | 82.4                        | 12.9                         | 7.5              | 26                                | Yes            | 2019                          |
| 12  | 04/12/25 | 14:59             | 0.70                                                    | 115                         | 80.9                        | 12.9                         | 7.3              | 22                                | Yes            | 2026                          |
| 13  | 04/13/25 | 6:59              | 0.71                                                    | 115                         | 81.5                        | 12.9                         | 7.4              | 22                                | Yes            | 2028                          |
| 14  | 04/14/25 | 7:59              | 0.71                                                    | 116                         | 82.1                        | 12.9                         | 7.4              | 22                                | Yes            | 2020                          |
| 15  | 04/15/25 | 23:59             | 0.69                                                    | 116                         | 80.2                        | 13.0                         | 7.4              | 22                                | Yes            | 2024                          |
| 16  | 04/16/25 | 21:59             | 0.69                                                    | 116                         | 79.8                        | 12.9                         | 7.4              | 22                                | Yes            | 2016                          |
| 17  | 04/17/25 | 22:59             | 0.71                                                    | 116                         | 82.1                        | 12.9                         | 7.3              | 22                                | Yes            | 2014                          |
| 18  | 04/18/25 | 12:59             | 0.70                                                    | 115                         | 80.3                        | 12.9                         | 7.2              | 22                                | Yes            | 2026                          |
| 19  | 04/19/25 | 13:59             | 0.69                                                    | 116                         | 80.2                        | 13.0                         | 7.0              | 18                                | Yes            | 2021                          |
| 20  | 04/20/25 | 16:59             | 0.70                                                    | 116                         | 81.6                        | 13.0                         | 7.5              | 26                                | Yes            | 2008                          |
| 21  | 04/21/25 | 15:59             | 0.71                                                    | 117                         | 83.4                        | 13.0                         | 7.3              | 22                                | Yes            | 1994                          |
| 22  | 04/22/25 | 12:59             | 0.70                                                    | 118                         | 82.5                        | 13.0                         | 7.4              | 22                                | Yes            | 1988                          |
| 23  | 04/23/25 | 4:59              | 0.77                                                    | 117                         | 89.5                        | 13.0                         | 7.4              | 22                                | Yes            | 2000                          |
| 24  | 04/24/25 | 1:59              | 0.76                                                    | 117                         | 89.2                        | 13.0                         | 7.3              | 22                                | Yes            | 1999                          |
| 25  | 04/25/25 | 10:59             | 0.76                                                    | 117                         | 89.1                        | 13.1                         | 7.3              | 22                                | Yes            | 1997                          |
| 26  | 04/26/25 | 16:59             | 0.75                                                    | 117                         | 87.3                        | 13.1                         | 7.4              | 22                                | Yes            | 1999                          |
| 27  | 04/27/25 | 9:59              | 0.74                                                    | 117                         | 86.1                        | 13.0                         | 7.5              | 26                                | Yes            | 2003                          |
| 28  | 04/28/25 | 12:59             | 0.74                                                    | 117                         | 86.1                        | 13.1                         | 7.3              | 22                                | Yes            | 2004                          |
| 29  | 04/29/25 | 12:59             | 0.74                                                    | 117                         | 86.3                        | 13.1                         | 7.4              | 22                                | Yes            | 2001                          |
| 30  | 04/30/25 | 13:59             | 0.73                                                    | 117                         | 85.4                        | 13.1                         | 7.4              | 22                                | Yes            | 1998                          |

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