

OHA - Drinking Water Services - Surface Water Quality Data Form

County: **Columbia**

Cartridge or Bag Filtration

Month/Year: **Jan-25**

| System Name: <b>Marshland</b> |                   | ID#: <b>41</b>   | <b>01449</b> | WTP ID: <b>TP-</b>         | <b>A</b>                      |                                    |
|-------------------------------|-------------------|------------------|--------------|----------------------------|-------------------------------|------------------------------------|
| Day                           | PSI Before Filter | PSI After Filter | PSID         | PSID When to Change Filter | Daily Turbidity Reading [NTU] | Highest Reading of the day ♦ [NTU] |
| 1                             | 91.00             | 66.00            | 25.00        | 25.0                       | 0.28                          | 0.30                               |
| 2                             | 84.00             | 70.00            | 14.00        | 25.0                       | 0.27                          | 0.29                               |
| 3                             | 84.00             | 70.00            | 14.00        | 25.0                       | 0.23                          | 0.24                               |
| 4                             | DNR               | DNR              | DNR          | 25.0                       | DNR                           | DNR                                |
| 5                             | 85.00             | 69.00            | 16.00        | 25.0                       | 0.31                          | 0.33                               |
| 6                             | 86.00             | 69.00            | 17.00        | 25.0                       | 0.30                          | 0.33                               |
| 7                             | 87.00             | 69.00            | 18.00        | 25.0                       | 0.25                          | 0.27                               |
| 8                             | 87.00             | 68.00            | 19.00        | 25.0                       | 0.23                          | 0.24                               |
| 9                             | 88.00             | 68.00            | 20.00        | 25.0                       | 0.23                          | 0.24                               |
| 10                            | 90.00             | 68.00            | 22.00        | 25.0                       | 0.21                          | 0.23                               |
| 11                            | 90.00             | 68.00            | 22.00        | 25.0                       | 0.20                          | 0.21                               |
| 12                            | 90.00             | 68.00            | 22.00        | 25.0                       | 0.19                          | 0.20                               |
| 13                            | 90.00             | 68.00            | 22.00        | 25.0                       | 0.19                          | 0.20                               |
| 14                            | 90.00             | 68.00            | 22.00        | 25.0                       | 0.18                          | 0.19                               |
| 15                            | 90.00             | 67.00            | 23.00        | 25.0                       | 0.19                          | 0.19                               |
| 16                            | 90.00             | 67.00            | 23.00        | 25.0                       | 0.19                          | 0.19                               |
| 17                            | 90.00             | 67.00            | 23.00        | 25.0                       | 0.19                          | 0.19                               |
| 18                            | 90.00             | 67.00            | 23.00        | 25.0                       | 0.18                          | 0.19                               |
| 19                            | 90.00             | 67.00            | 23.00        | 25.0                       | 0.17                          | 0.18                               |
| 20                            | 91.00             | 67.00            | 24.00        | 25.0                       | 0.18                          | 0.19                               |
| 21                            | 91.00             | 67.00            | 24.00        | 25.0                       | 0.18                          | 0.18                               |
| 22                            | 91.00             | 67.00            | 24.00        | 25.0                       | 0.18                          | 0.18                               |
| 23                            | 91.00             | 67.00            | 24.00        | 25.0                       | 0.18                          | 0.18                               |
| 24                            | 91.00             | 67.00            | 24.00        | 25.0                       | 0.18                          | 0.18                               |
| 25                            | 91.00             | 67.00            | 24.00        | 25.0                       | 0.18                          | 0.18                               |
| 26                            | 91.00             | 66.00            | 25.00        | 25.0                       | 0.17                          | 0.18                               |
| 27                            | DNR               | DNR              | DNR          | 25.0                       | DNR                           | DNR                                |
| 28                            | DNR               | DNR              | DNR          | 25.0                       | DNR                           | DNR                                |
| 29                            | 91.00             | 67.00            | 24.00        | 25.0                       | 0.19                          | 0.19                               |
| 30                            | 92.00             | 67.00            | 25.00        | 25.0                       | 0.19                          | 0.20                               |
| 31                            | 80.00             | 72.00            | 8.00         | 25.0                       | 0.22                          | 0.31                               |

|   |   |  |   |
|---|---|--|---|
| <b>Cartridge &amp; Bag Filtration</b>   |   | <b>Monthly Summary (Answer Yes or No)</b>  |   |
| 95% of daily turbidity readings ≤ 1 NTU?  | <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No | CT's met everyday? (see back)  | All Cl <sub>2</sub> residual at entry point ≥ 0.2 mg/L?               |
| All daily turbidity readings ≤ 5 NTU?   | <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No  | <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No |
| <b>Notes: PSI = pounds per square inch</b><br><b>PSID = pounds per square inch difference (before filter - after filter)</b><br><b>PSID When to Change Filter = look in manual for manufacturer's specifications when to change the filter, at what PSID.</b> |   | <b>PRINTED NAME: Micah Olson</b><br><b>SIGNATURE: <i>Micah Olson</i></b> <b>DATE: 2/9/2024</b><br><b>PHONE #: ( 971 ) 563-3128</b> <b>CERT #: 3794</b> |   |

♦ Including continuous NTU data, if applicable, for optimization recording purposes. Compliance values in Daily Turbidity Reading column may not correspond to continuous readings' maximum.

OHA - Drinking Water Services - Surface Water Quality Data Form

WTP: **A**

|                               |                      |                           |  |
|-------------------------------|----------------------|---------------------------|--|
| System Name: <b>Marshland</b> | ID#: <b>41 01449</b> | Month/Year: <b>Jan-25</b> | Giardia Log Inactivation Req'd: <b>1.0</b> |
|-------------------------------|----------------------|---------------------------|--|

| Date / Time | Minimum Cl <sub>2</sub> Residual at 1 <sup>st</sup> User (C) <sup>Ⓢ</sup> | Contact Time (T) | Actual CT    | Temp  | pH   | Required CT | CT Met? <sup>Ⓢ</sup> | Peak Hourly Demand Flow |
|-------------|---|------------------|--------------|-------|------|-------------|----------------------|-------------------------|
|             | [ppm or mg/L]   | [minutes]        | <b>C X T</b> | [° C] |      | formula     | Yes / No             | [GPM]                   |
| 1           | 0.57  | 144              | 82.1         | 0.9   | 7.22 | 73.2        | YES                  | 5                       |
| 2           | 0.39  | 144              | 56.2         | 8.1   | 7.12 | 42.6        | YES                  | 5                       |
| 3           | 0.36  | 144              | 51.8         | 8.2   | 7.13 | 42.3        | YES                  | 6                       |
| 4           | 0.34  | 144              | 49.0         | 8.3   | 7.14 | 42.1        | YES                  | 5                       |
| 5           | 0.5   | 144              | 72.0         | 8.5   | 7.10 | 41.7        | YES                  | 4                       |
| 6           | 0.5   | 144              | 72.0         | 8.4   | 7.10 | 41.9        | YES                  | 4                       |
| 7           | 0.51  | 144              | 73.4         | 8.3   | 7.11 | 42.4        | YES                  | 4                       |
| 8           | 0.51  | 144              | 73.4         | 8.3   | 7.12 | 42.6        | YES                  | 5                       |
| 9           | 0.49  | 144              | 70.6         | 8.1   | 7.13 | 43.2        | YES                  | 5                       |
| 10          | 0.47  | 144              | 67.7         | 7.9   | 7.13 | 43.7        | YES                  | 6                       |
| 11          | 0.45  | 144              | 64.8         | 7.6   | 7.16 | 44.9        | YES                  | 6                       |
| 12          | 0.44  | 144              | 63.4         | 7.5   | 7.19 | 45.6        | YES                  | 7                       |
| 13          | 0.43  | 144              | 61.9         | 7.3   | 7.20 | 46.4        | YES                  | 5                       |
| 14          | 0.42  | 144              | 60.5         | 7.2   | 7.21 | 46.8        | YES                  | 5                       |
| 15          | 0.46  | 144              | 66.2         | 6.9   | 7.23 | 48.3        | YES                  | 8                       |
| 16          | 0.51  | 144              | 73.4         | 6.5   | 7.24 | 50.0        | YES                  | 4                       |
| 17          | 0.55  | 144              | 79.2         | 6.3   | 7.24 | 50.9        | YES                  | 9                       |
| 18          | 0.59  | 144              | 85.0         | 5.9   | 7.26 | 52.9        | YES                  | 11                      |
| 19          | 0.62  | 144              | 89.3         | 5.7   | 7.27 | 54.0        | YES                  | 5                       |
| 20          | 0.63  | 144              | 90.7         | 5.4   | 7.28 | 55.4        | YES                  | 8                       |
| 21          | 0.64  | 144              | 92.2         | 5.2   | 7.30 | 56.6        | YES                  | 6                       |
| 22          | 0.65  | 144              | 93.6         | 5.0   | 7.36 | 58.7        | YES                  | 5                       |
| 23          | 0.57  | 144              | 82.1         | 5.0   | 7.36 | 58.2        | YES                  | 6                       |
| 24          | 0.5   | 144              | 72.0         | 4.8   | 7.35 | 58.3        | YES                  | 7                       |
| 25          | 0.46  | 144              | 66.2         | 4.7   | 7.37 | 58.8        | YES                  | 7                       |
| 26          | 0.41  | 144              | 59.0         | 4.6   | 7.37 | 58.9        | YES                  | 5                       |
| 27          | 0.42  | 144              | 60.5         | 4.5   | 7.39 | 59.8        | YES                  | 6                       |
| 28          | 0.42  | 144              | 60.5         | 4.5   | 7.40 | 60.0        | YES                  | 5                       |
| 29          | 0.43  | 144              | 61.9         | 4.5   | 7.38 | 59.6        | YES                  | 5                       |
| 30          | 0.41  | 144              | 59.0         | 4.8   | 7.39 | 58.5        | YES                  | 8                       |
| 31          | 0.41  | 144              | 59.0         | 5.0   | 7.39 | 57.7        | YES                  | 5                       |

<sup>Ⓢ</sup> If Cl<sub>2</sub> at entry point < 0.2 mg/L or CT not met, notify DWS within 24 hours.

Revised July 2018

Return by 10<sup>th</sup> of following month by email, fax, or mail to:

[dwp.dmce@state.or.us](mailto:dwp.dmce@state.or.us); 971-673-0694; or Drinking Water Services, PO Box 14350, Portland, OR 97293-0350