

OHA - Drinking Water Services - Surface Water Quality Data Form

County: **Columbia**

Cartridge or Bag Filtration

Month/Year: **Jan-23**

System Name: **Marshland** ID#: **41 01449** WTP ID: **TP- A**

| Day | PSI Before Filter | PSI After Filter | PSID  | PSID When to Change Filter | Daily Turbidity Reading [NTU] | Highest Reading of the day ♦ [NTU] |
|-----|-------------------|------------------|-------|----------------------------|-------------------------------|------------------------------------|
| 1   | 0.00              | 0.00             | 25.00 | 25.0                       | 0.43                          | 0.44                               |
| 2   | 75.00             | 74.00            | 1.00  | 25.0                       | 0.23                          | 0.30                               |
| 3   | DNR               | DNR              | DNR   | 25.0                       | DNR                           | DNR                                |
| 4   | 76.00             | 74.00            | 2.00  | 25.0                       | 0.25                          | 0.26                               |
| 5   | 78.00             | 73.00            | 5.00  | 25.0                       | 0.25                          | 0.26                               |
| 6   | 80.00             | 73.00            | 7.00  | 25.0                       | 0.25                          | 0.26                               |
| 7   | 81.00             | 73.00            | 8.00  | 25.0                       | 0.26                          | 0.26                               |
| 8   | 81.00             | 72.00            | 9.00  | 25.0                       | 0.25                          | 0.38                               |
| 9   | 83.00             | 72.00            | 11.00 | 25.0                       | 0.35                          | 0.38                               |
| 10  | 84.00             | 71.00            | 13.00 | 25.0                       | 0.40                          | 0.41                               |
| 11  | 85.00             | 71.00            | 14.00 | 25.0                       | 0.38                          | 0.46                               |
| 12  | DNR               | DNR              | DNR   | 25.0                       | DNR                           | DNR                                |
| 13  | 87.00             | 71.00            | 16.00 | 25.0                       | 0.36                          | 0.38                               |
| 14  | 88.00             | 70.00            | 18.00 | 25.0                       | 0.39                          | 0.42                               |
| 15  | DNR               | DNR              | DNR   | 25.0                       | DNR                           | DNR                                |
| 16  | 90.00             | 69.00            | 21.00 | 25.0                       | 0.54                          | 0.57                               |
| 17  | 91.00             | 69.00            | 22.00 | 25.0                       | 0.49                          | 0.51                               |
| 18  | 91.00             | 68.00            | 23.00 | 25.0                       | 0.44                          | 0.54                               |
| 19  | 91.00             | 68.00            | 23.00 | 25.0                       | 0.45                          | 0.46                               |
| 20  | 92.00             | 68.00            | 24.00 | 25.0                       | 0.42                          | 0.44                               |
| 21  | 93.00             | 68.00            | 25.00 | 25.0                       | 0.38                          | 0.38                               |
| 22  | 80.00             | 70.00            | 10.00 | 25.0                       | 0.35                          | 0.38                               |
| 23  | DNR               | DNR              | DNR   | 25.0                       | DNR                           | DNR                                |
| 24  | 81.00             | 70.00            | 11.00 | 25.0                       | 0.24                          | 0.26                               |
| 25  | 82.00             | 70.00            | 12.00 | 25.0                       | 0.25                          | 0.26                               |
| 26  | 82.00             | 69.00            | 13.00 | 25.0                       | 0.25                          | 0.25                               |
| 27  | 83.00             | 69.00            | 14.00 | 25.0                       | 0.25                          | 0.28                               |
| 28  | 84.00             | 69.00            | 15.00 | 25.0                       | 0.27                          | 0.30                               |
| 29  | 84.00             | 68.00            | 16.00 | 25.0                       | 0.25                          | 0.27                               |
| 30  | 85.00             | 68.00            | 17.00 | 25.0                       | 0.24                          | 0.26                               |
| 31  | 86.00             | 68.00            | 18.00 | 25.0                       | 0.23                          | 0.28                               |

| Cartridge & Bag Filtration   | Monthly Summary (Answer Yes or No)  |   |
|--|---|---|
| 95% of daily turbidity readings ≤ 1 NTU? <input checked="" type="radio"/> Yes <input type="radio"/> No | CT's met everyday? (see back) <input checked="" type="radio"/> Yes <input type="radio"/> No | All Cl <sub>2</sub> residual at entry point ≥ 0.2 mg/L? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| All daily turbidity readings ≤ 5 NTU? <input checked="" type="radio"/> Yes <input type="radio"/> No    |   |   |

Notes: PSI = pounds per square inch  
 PSID = pounds per square inch difference (before filter - after filter)  
 PSID When to Change Filter = look in manual for manufacturer's specifications when to change the filter, at what PSID.

PRINTED NAME: Micah Olson  
 SIGNATURE: *Micah Olson* DATE: 02/10/2023  
 PHONE #: (971)-563-3128 CERT #: 3794

♦ 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 - :                         | <b>A</b>   |
| Giardia Log Inactivation Req'd: | <b>1.0</b> |

|              |                  |                      |             |               |
|--------------|------------------|----------------------|-------------|---------------|
| System Name: | <b>Marshland</b> | ID#: <b>41 01449</b> | Month/Year: | <b>Jan-23</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           | 0.82  | 144              | 118.1        | 7.7   | 6.70 | 39.6        | YES                  | 6                       |
| 2           | 0.59  | 144              | 85.0         | 7.1   | 6.70 | 40.1        | YES                  | 9                       |
| 3           | 0.37  | 144              | 53.3         | 7.1   | 6.70 | 39.2        | YES                  | 7                       |
| 4           | 0.77  | 144              | 110.9        | 7.2   | 6.70 | 40.7        | YES                  | 12                      |
| 5           | 0.58  | 144              | 83.5         | 7.6   | 6.60 | 37.5        | YES                  | 8                       |
| 6           | 0.42  | 144              | 60.5         | 7.9   | 6.60 | 36.1        | YES                  | 6                       |
| 7           | 0.36  | 144              | 51.8         | 8.0   | 6.60 | 35.6        | YES                  | 7                       |
| 8           | 0.51  | 144              | 73.4         | 7.9   | 6.60 | 36.5        | YES                  | 10                      |
| 9           | 0.46  | 144              | 66.2         | 7.8   | 6.60 | 36.5        | YES                  | 5                       |
| 10          | 0.46  | 144              | 66.2         | 7.7   | 6.70 | 38.0        | YES                  | 7                       |
| 11          | 0.47  | 144              | 67.7         | 7.7   | 6.70 | 38.1        | YES                  | 7                       |
| 12          | 0.42  | 144              | 60.5         | 7.9   | 6.70 | 37.4        | YES                  | 8                       |
| 13          | 0.38  | 144              | 54.7         | 8.2   | 6.70 | 36.5        | YES                  | 8                       |
| 14          | 0.78  | 144              | 112.3        | 8.7   | 6.70 | 36.9        | YES                  | 7                       |
| 15          | 0.61  | 144              | 87.8         | 8.5   | 6.70 | 36.7        | YES                  | 6                       |
| 16          | 0.44  | 144              | 63.4         | 8.4   | 6.60 | 35.1        | YES                  | 6                       |
| 17          | 0.42  | 144              | 60.5         | 8.2   | 6.70 | 36.7        | YES                  | 6                       |
| 18          | 0.45  | 144              | 64.8         | 8.2   | 6.60 | 35.5        | YES                  | 5                       |
| 19          | 0.45  | 144              | 64.8         | 7.4   | 6.70 | 38.7        | YES                  | 6                       |
| 20          | 0.49  | 144              | 70.6         | 7.3   | 6.70 | 39.2        | YES                  | 7                       |
| 21          | 0.56  | 144              | 80.6         | 7.1   | 6.70 | 40.0        | YES                  | 6                       |
| 22          | 0.61  | 144              | 87.8         | 6.8   | 6.70 | 41.0        | YES                  | 9                       |
| 23          | 0.61  | 144              | 87.8         | 7.0   | 6.70 | 40.5        | YES                  | 7                       |
| 24          | 0.65  | 144              | 93.6         | 7.2   | 6.70 | 40.1        | YES                  | 7                       |
| 25          | 0.6   | 144              | 86.4         | 7.3   | 6.70 | 39.7        | YES                  | 6                       |
| 26          | 0.52  | 144              | 74.9         | 7.2   | 6.80 | 41.0        | YES                  | 9                       |
| 27          | 0.45  | 144              | 64.8         | 7.3   | 6.70 | 39.0        | YES                  | 8                       |
| 28          | 0.41  | 144              | 59.0         | 7.6   | 6.70 | 38.1        | YES                  | 6                       |
| 29          | 0.46  | 144              | 66.2         | 6.7   | 6.70 | 40.6        | YES                  | 8                       |
| 30          | 0.5   | 144              | 72.0         | 6.8   | 6.80 | 42.0        | YES                  | 6                       |
| 31          | 0.51  | 144              | 73.4         | 5.4   | 6.70 | 44.5        | YES                  | 6                       |

<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; 971-673-0694; or Drinking Water Services, PO Box 14350, Portland, OR 97293-0350