

**OHA - Drinking Water Program – Turbidity Monitoring Report Form County: Columbia**  
**Cartridge or Bag Filtration**

**System Name: Marshland Water Association ID #: OR4101449 STP: WTP-B 1-Apr**

| DAY | PSI Before Filter | PSI After Filter | PSID   | PSID When to Change Filter | Daily Turbidity Reading [NTU] | Highest Reading of the Day <sup>1</sup> [NTU] |
|-----|-------------------|------------------|--------|----------------------------|-------------------------------|---|
| 1   | 87.000            | 69.000           | 18.000 | 25.000                     | 0.180                         | 0.180   |
| 2   | 88.000            | 69.000           | 19.000 | 25.000                     | 0.180                         | 0.180   |
| 3   | 88.000            | 68.000           | 20.000 | 25.000                     | 0.180                         | 0.180   |
| 4   | DNR               | DNR              | DNR    | 25.000                     | DNR                           | DNR   |
| 5   | 89.000            | 67.000           | 22.000 | 25.000                     | 0.410                         | 0.410   |
| 6   | 90.000            | 67.000           | 23.000 | 25.000                     | 0.350                         | 0.410   |
| 7   | 90.000            | 66.000           | 24.000 | 25.000                     | 0.300                         | 0.310   |
| 8   | 91.000            | 66.000           | 25.000 | 25.000                     | 0.260                         | 0.260   |
| 9   | 72.000            | 72.000           | 0.000  | 25.000                     | 0.250                         | 0.250   |
| 10  | DNR               | DNR              | DNR    | 25.000                     | DNR                           | DNR   |
| 11  | DNR               | DNR              | DNR    | 25.000                     | DNR                           | DNR   |
| 12  | 73.000            | 72.000           | 1.000  | 25.000                     | 0.350                         | 0.400   |
| 13  | 74.000            | 72.000           | 2.000  | 25.000                     | 0.340                         | 0.340   |
| 14  | 74.000            | 71.000           | 3.000  | 25.000                     | 0.320                         | 0.340   |
| 15  | 74.000            | 70.000           | 4.000  | 25.000                     | 0.260                         | 0.280   |
| 16  | 75.000            | 70.000           | 5.000  | 25.000                     | 0.250                         | 0.240   |
| 17  | 75.000            | 69.000           | 6.000  | 25.000                     | 0.220                         | 0.240   |
| 18  | 75.000            | 68.000           | 7.000  | 25.000                     | 0.210                         | 0.260   |
| 19  | 76.000            | 68.000           | 8.000  | 25.000                     | 0.210                         | 0.240   |
| 20  | 77.000            | 68.000           | 9.000  | 25.000                     | 0.210                         | 0.220   |
| 21  | 78.000            | 68.000           | 10.000 | 25.000                     | 0.220                         | 0.230   |
| 22  | 78.000            | 67.000           | 11.000 | 25.000                     | 0.210                         | 0.220   |
| 23  | 79.000            | 67.000           | 12.000 | 25.000                     | 0.200                         | 0.210   |
| 24  | 79.000            | 66.000           | 13.000 | 25.000                     | 0.200                         | 0.200   |
| 25  | 79.000            | 65.000           | 14.000 | 25.000                     | 0.210                         | 0.210   |
| 26  | 80.000            | 65.000           | 15.000 | 25.000                     | 0.210                         | 0.230   |
| 27  | 81.000            | 65.000           | 16.000 | 25.000                     | 0.220                         | 0.280   |
| 28  | 82.000            | 65.000           | 17.000 | 25.000                     | 0.230                         | 0.240   |
| 29  | 82.000            | 64.000           | 18.000 | 25.000                     | 0.220                         | 0.230   |
| 30  | 83.000            | 64.000           | 19.000 | 25.000                     | 0.260                         | 0.310   |

**Cartridge Filtration**

95% of turbidity readings  $\leq$  1 NTU ?  Yes  No  
 All daily turbidity readings  $\leq$  5 NTU ?  Yes  No

**Monthly Summary (Answer Yes or No)**

CT's met everyday ?  Yes  No  
 All Cl2 residual at entry point  $\geq$  0.2 mg/l ?  Yes  No

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

**Printed Name: Micah Olson**

**Signature:** 

**Date: 05-05-2022**

**Phone number: (971)563-3128**

**CERT # 3794**

**DHS - Drinking Water Program - Surface Water Quality Data Form**  
**System Name: Marshland Water Association**

**ID#: 4101449**

**1-Apr**

| Date | Time<br>AM/PM | Min Cl <sub>2</sub> Residual<br>at 1 <sup>st</sup> User | Contact time<br>Time (T) | Actual<br>CT | Temp | pH   | Required<br>CT | CT<br>Met <sup>2</sup> | Peak Hourly<br>Demand<br>Flow |
|------|---------------|---|--------------------------|--------------|------|------|----------------|------------------------|-------------------------------|
|      |               | [ppm or mg/l]   | [minutes]                | C x T        | [°C] |      | Tables         | Yes/No                 | [GPM]                         |
| 1    | 8:00 AM       | 0.58  | 144                      | 84           | 9.30 | 6.30 | 30.4           | YES                    | FAULT                         |
| 2    | 8:00 AM       | 0.55  | 144                      | 79           | 9.40 | 6.40 | 31.1           | YES                    | 8                             |
| 3    | 8:00 AM       | 0.56  | 144                      | 81           | 9.30 | 6.40 | 31.3           | YES                    | FAULT                         |
| 4    | 8:00 AM       | 0.52  | 144                      | 75           | 9.30 | 6.50 | 32.3           | YES                    | 7                             |
| 5    | 8:00 AM       | 0.44  | 144                      | 63           | 8.90 | 6.40 | 31.7           | YES                    | 7                             |
| 6    | 8:00 AM       | 0.46  | 144                      | 66           | 8.70 | 6.40 | 32.2           | YES                    | FAULT                         |
| 7    | 8:00 AM       | 0.47  | 144                      | 68           | 9.30 | 6.50 | 32.1           | YES                    | FAULT                         |
| 8    | 8:00 AM       | 0.43  | 144                      | 62           | 9.70 | 6.50 | 31.2           | YES                    | 7                             |
| 9    | 8:00 AM       | 0.45  | 144                      | 65           | 9.30 | 6.50 | 32             | YES                    | 6                             |
| 10   | 8:00 AM       | 0.41  | 144                      | 59           | 8.80 | 6.50 | 32.9           | YES                    | 6                             |
| 11   | 8:00 AM       | 0.42  | 144                      | 60           | 8.20 | 6.50 | 34.2           | YES                    | 7                             |
| 12   | 8:00 AM       | 0.47  | 144                      | 68           | 7.80 | 6.60 | 36.6           | YES                    | 5                             |
| 13   | 8:00 AM       | 0.46  | 144                      | 66           | 7.40 | 6.60 | 37.5           | YES                    | 5                             |
| 14   | 8:00 AM       | 0.50  | 144                      | 72           | 7.20 | 6.60 | 38.1           | YES                    | 7                             |
| 15   | 8:00 AM       | 0.49  | 144                      | 71           | 7.10 | 6.50 | 37             | YES                    | 4                             |
| 16   | 8:00 AM       | 0.50  | 144                      | 72           | 7.00 | 6.40 | 36             | YES                    | 8                             |
| 17   | 8:00 AM       | 0.62  | 144                      | 89           | 7.30 | 6.50 | 37.1           | YES                    | 7                             |
| 18   | 8:00 AM       | 0.58  | 144                      | 84           | 7.70 | 6.50 | 36             | YES                    | 4                             |
| 19   | 8:00 AM       | 0.56  | 144                      | 81           | 7.80 | 6.40 | 34.5           | YES                    | 6                             |
| 20   | 8:00 AM       | 0.60  | 144                      | 86           | 8.00 | 6.30 | 33             | YES                    | 4                             |
| 21   | 8:00 AM       | 0.60  | 144                      | 86           | 8.20 | 6.30 | 32.6           | YES                    | 7                             |
| 22   | 8:00 AM       | 0.52  | 144                      | 75           | 8.70 | 6.20 | 30.3           | YES                    | 3                             |
| 23   | 8:00 AM       | 0.59  | 144                      | 85           | 9.10 | 6.30 | 30.8           | YES                    | 7                             |
| 24   | 8:00 AM       | 0.60  | 144                      | 86           | 9.40 | 6.30 | 30.2           | YES                    | 7                             |
| 25   | 8:00 AM       | 0.54  | 144                      | 78           | 9.80 | 6.40 | 30.3           | YES                    | 4                             |
| 26   | 8:00 AM       | 0.52  | 144                      | 75           | 9.60 | 6.30 | 29.6           | YES                    | 6                             |
| 27   | 8:00 AM       | 0.49  | 144                      | 71           | 9.40 | 6.30 | 29.9           | YES                    | 3                             |
| 28   | 8:00 AM       | 0.43  | 144                      | 62           | 9.30 | 6.30 | 29.9           | YES                    | 8                             |
| 29   | 8:00 AM       | 0.46  | 144                      | 66           | 9.40 | 6.30 | 29.8           | YES                    | 6                             |
| 30   | 8:00 AM       | 0.39  | 144                      | 56           | 9.80 | 6.40 | 29.8           | YES                    | 7                             |
| 31   |               |   |                          |              |      |      |                |                        |                               |

<sup>2</sup> If Cl<sub>2</sub> at entry point < 0.2 mg/l, or CT not met, notify DWP by the end of the next business day.