



DHS-Drinking Water Program

Turbidity Monitoring Report Form

**YAMHILL CO.**

System Name: McMinnville Water and Light

**Id#: 4100497-A** Month/Year: **May, 2023**

| DAY                              | 0000 | 0400 | 0800 | 1200        | 1600 | 2000                       | Highest 15 min Reading |             |
|----------------------------------|------|------|------|-------------|------|----------------------------|------------------------|-------------|
|                                  | NTU  | NTU  | NTU  | NTU         | NTU  | NTU                        | Time                   | NTU         |
| 05/01/23                         | 0.02 | 0.02 | 0.02 | 0.02        | 0.02 | 0.02                       | 12:30                  | 0.03        |
| 05/02/23                         | 0.02 | 0.02 | 0.02 | 0.02        | 0.02 | 0.02                       | 00:00                  | 0.02        |
| 05/03/23                         | 0.02 | 0.02 | 0.03 | 0.02        | 0.02 | 0.02                       | 08:00                  | 0.03        |
| 05/04/23                         | 0.02 | 0.02 | 0.02 | 0.02        | 0.02 | 0.02                       | 00:00                  | 0.02        |
| 05/05/23                         | 0.02 | 0.02 | 0.02 | 0.02        | 0.02 | 0.02                       | 08:30                  | 0.03        |
| 05/06/23                         | 0.02 | 0.02 | 0.02 | 0.02        | 0.02 | 0.02                       | 00:00                  | 0.02        |
| 05/07/23                         | 0.02 | 0.02 | 0.02 | 0.02        | 0.02 | 0.02                       | 00:00                  | 0.02        |
| 05/08/23                         | 0.02 | 0.02 | 0.02 | 0.02        | 0.02 | 0.02                       | 00:00                  | 0.02        |
| 05/09/23                         | 0.02 | 0.02 | 0.02 | 0.02        | 0.02 | 0.02                       | 00:00                  | 0.02        |
| 05/10/23                         | 0.02 | 0.02 | 0.02 | 0.02        | 0.02 | 0.02                       | 00:00                  | 0.02        |
| 05/11/23                         | 0.02 | 0.02 | 0.03 | 0.03        | 0.02 | 0.02                       | 08:00                  | 0.03        |
| 05/12/23                         | 0.02 | 0.02 | 0.03 | 0.02        | 0.03 | 0.03                       | 07:15                  | 0.03        |
| 05/13/23                         | 0.03 | 0.03 | 0.03 | 0.02        | 0.03 | 0.03                       | 00:00                  | 0.03        |
| 05/14/23                         | 0.03 | 0.03 | 0.03 | 0.03        | 0.03 | 0.03                       | 00:00                  | 0.03        |
| 05/15/23                         | 0.03 | 0.03 | 0.03 | 0.03        | 0.03 | 0.03                       | 00:00                  | 0.03        |
| 05/16/23                         | 0.03 | 0.03 | 0.03 | 0.03        | 0.03 | 0.03                       | 00:00                  | 0.03        |
| 05/17/23                         | 0.03 | 0.03 | 0.03 | 0.03        | 0.03 | 0.03                       | 00:00                  | 0.03        |
| 05/18/23                         | 0.03 | 0.03 | 0.03 | 0.03        | 0.03 | 0.03                       | 00:00                  | 0.03        |
| 05/19/23                         | 0.03 | 0.03 | 0.03 | 0.03        | 0.03 | 0.03                       | 00:00                  | 0.03        |
| 05/20/23                         | 0.03 | 0.03 | 0.03 | 0.03        | 0.03 | 0.03                       | 00:00                  | 0.03        |
| 05/21/23                         | 0.03 | 0.03 | 0.03 | 0.03        | 0.03 | 0.03                       | 00:00                  | 0.03        |
| 05/22/23                         | 0.03 | 0.04 | 0.03 | 0.03        | 0.03 | 0.03                       | 04:00                  | 0.04        |
| 05/23/23                         | 0.03 | 0.03 | 0.03 | 0.03        | 0.03 | 0.03                       | 00:00                  | 0.03        |
| 05/24/23                         | 0.03 | 0.03 | 0.03 | 0.03        | 0.03 | 0.03                       | 00:00                  | 0.03        |
| 05/25/23                         | 0.03 | 0.03 | 0.03 | 0.03        | 0.03 | 0.03                       | 00:00                  | 0.03        |
| 05/26/23                         | 0.03 | 0.03 | 0.03 | 0.03        | 0.03 | 0.03                       | 00:00                  | 0.03        |
| 05/27/23                         | 0.03 | 0.03 | 0.03 | 0.03        | 0.03 | 0.03                       | 00:00                  | 0.03        |
| 05/28/23                         | 0.03 | 0.03 | 0.03 | 0.03        | 0.03 | 0.03                       | 00:00                  | 0.03        |
| 05/29/23                         | 0.03 | 0.03 | 0.03 | 0.03        | 0.03 | 0.03                       | 00:00                  | 0.03        |
| 05/30/23                         | 0.03 | 0.03 | 0.03 | 0.03        | 0.03 | 0.03                       | 00:00                  | 0.03        |
| 05/31/23                         | 0.03 | 0.03 | 0.03 | 0.03        | 0.02 | 0.02                       | 00:00                  | 0.03        |
| <b>Highest NTU 4 hr. reading</b> |      |      |      | <b>0.04</b> |      | <b>Highest 15 min Read</b> |                        | <b>0.04</b> |

Monthly Summary

95% of turbidity readings <= 0.3 NTU?  Yes  No    CT's met everyday?    All Cl2 residual at entry    Cl2 residual measured in 95%  
 All turbidity readings < 1 NTU?  Yes  No    point always >= 0.2 mg/l? of distribution samples?  
 All turbidity readings < IFE triggers?  Yes  No     Yes  No     Yes  No

Treatment Techniques are: 0.3 NTU 95% of all readings and never to exceed 1 NTU.

IFE = Individual Filter Effluent

Printed Name: Nicholas Wirth

Signature: *Nicholas Wirth*

Phone #: (503) 472-6158    Cert #: T-08567

Date: Thursday, June 1, 2023

**Department of Human Services- Drinking Water Section**  
**Surface Water Quality Data**

System Name: McMinnville Water & Light

Id#- 4100497

Month/Yr: May 2023

| Day       | Time  | Peak Hourly Flow<br>MGD | Cl2 Residual at 1st User (C)<br>mg/l | Contact Time (T)<br>minutes | Actual CT<br>C x T | Temp<br>°C | pH<br>pH | Required CT<br>Calc | Inactivation<br>Act CT/<br>Req CT | CT Met<br>Yes / No |
|-----------|-------|-------------------------|--------------------------------------|-----------------------------|--------------------|------------|----------|---------------------|-----------------------------------|--------------------|
| 5/1/2023  | 10:00 | 4.16                    | 1.46                                 | 58.0                        | 84.7               | 10         | 7.39     | 24                  | 3.53                              | Yes                |
| 5/2/2023  | 15:00 | 4.16                    | 1.40                                 | 58.0                        | 81.2               | 10         | 7.42     | 23                  | 3.53                              | Yes                |
| 5/3/2023  | 11:00 | 4.16                    | 1.47                                 | 58.0                        | 85.3               | 10         | 7.35     | 24                  | 3.55                              | Yes                |
| 5/4/2023  | 09:00 | 4.15                    | 1.49                                 | 58.0                        | 86.4               | 11         | 7.42     | 24                  | 3.60                              | Yes                |
| 5/5/2023  | 10:00 | 4.18                    | 1.44                                 | 58.0                        | 83.5               | 10         | 7.44     | 24                  | 3.48                              | Yes                |
| 5/6/2023  | 10:00 | 4.17                    | 1.47                                 | 58.0                        | 85.3               | 10         | 7.44     | 24                  | 3.55                              | Yes                |
| 5/7/2023  | 10:00 | 4.15                    | 1.36                                 | 58.0                        | 78.9               | 10         | 7.46     | 23                  | 3.43                              | Yes                |
| 5/8/2023  | 10:00 | 4.16                    | 1.44                                 | 58.0                        | 83.5               | 10         | 7.46     | 24                  | 3.48                              | Yes                |
| 5/9/2023  | 10:00 | 4.16                    | 1.37                                 | 58.0                        | 79.5               | 11         | 7.46     | 23                  | 3.45                              | Yes                |
| 5/10/2023 | 06:00 | 7.07                    | 1.37                                 | 58.0                        | 79.5               | 10         | 7.43     | 23                  | 3.45                              | Yes                |
| 5/11/2023 | 09:00 | 8.32                    | 1.29                                 | 58.0                        | 74.8               | 10         | 7.37     | 23                  | 3.25                              | Yes                |
| 5/12/2023 | 08:00 | 5.65                    | 1.45                                 | 58.0                        | 84.1               | 10         | 7.33     | 24                  | 3.50                              | Yes                |
| 5/13/2023 | 22:00 | 5.69                    | 1.44                                 | 58.0                        | 83.5               | 10         | 7.29     | 24                  | 3.48                              | Yes                |
| 5/14/2023 | 11:00 | 6.43                    | 1.40                                 | 58.0                        | 81.2               | 10         | 7.31     | 23                  | 3.53                              | Yes                |
| 5/15/2023 | 10:00 | 6.52                    | 1.35                                 | 58.0                        | 78.3               | 10         | 7.21     | 23                  | 3.40                              | Yes                |
| 5/16/2023 | 13:00 | 6.47                    | 1.37                                 | 58.0                        | 79.5               | 11         | 7.40     | 23                  | 3.45                              | Yes                |
| 5/17/2023 | 11:00 | 6.49                    | 1.34                                 | 58.0                        | 77.7               | 11         | 7.40     | 23                  | 3.38                              | Yes                |
| 5/18/2023 | 17:00 | 6.97                    | 1.36                                 | 46.0                        | 62.6               | 11         | 7.28     | 23                  | 2.72                              | Yes                |
| 5/19/2023 | 08:00 | 7.03                    | 1.32                                 | 46.0                        | 60.7               | 11         | 7.43     | 23                  | 2.64                              | Yes                |
| 5/20/2023 | 10:00 | 7.03                    | 1.34                                 | 46.0                        | 61.6               | 12         | 7.38     | 23                  | 2.68                              | Yes                |
| 5/21/2023 | 10:00 | 7.04                    | 1.39                                 | 46.0                        | 63.9               | 12         | 7.41     | 23                  | 2.78                              | Yes                |
| 5/22/2023 | 10:00 | 7.04                    | 1.23                                 | 46.0                        | 56.6               | 12         | 7.33     | 23                  | 2.46                              | Yes                |
| 5/23/2023 | 09:00 | 7.03                    | 1.34                                 | 46.0                        | 61.6               | 12         | 7.39     | 23                  | 2.68                              | Yes                |
| 5/24/2023 | 22:00 | 6.99                    | 1.36                                 | 46.0                        | 62.6               | 12         | 7.46     | 23                  | 2.72                              | Yes                |
| 5/25/2023 | 10:00 | 7.06                    | 1.36                                 | 46.0                        | 62.6               | 12         | 7.31     | 23                  | 2.72                              | Yes                |
| 5/26/2023 | 09:00 | 7.06                    | 1.32                                 | 46.0                        | 60.7               | 13         | 7.32     | 23                  | 2.64                              | Yes                |
| 5/27/2023 | 08:00 | 7.07                    | 1.32                                 | 46.0                        | 60.7               | 13         | 7.28     | 23                  | 2.64                              | Yes                |
| 5/28/2023 | 13:00 | 7.06                    | 1.24                                 | 46.0                        | 57.0               | 13         | 7.38     | 23                  | 2.48                              | Yes                |
| 5/29/2023 | 10:00 | 7.06                    | 1.26                                 | 46.0                        | 58.0               | 13         | 7.34     | 23                  | 2.52                              | Yes                |
| 5/30/2023 | 09:00 | 8.14                    | 1.20                                 | 46.0                        | 55.2               | 14         | 7.43     | 23                  | 2.40                              | Yes                |
| 5/31/2023 | 09:00 | 8.18                    | 1.41                                 | 46.0                        | 64.9               | 14         | 7.40     | 24                  | 2.70                              | Yes                |