



DHS-Drinking Water Program

Turbidity Monitoring Report Form

**YAMHILL CO.**

System Name: McMinnville Water and Light

**Id#: 4100497-A** Month/Year: **March, 2024**

| DAY                              | 0000 | 0400 | 0800 | 1200 | 1600 | 2000        | Highest 15 min Reading     |      |             |
|----------------------------------|------|------|------|------|------|-------------|----------------------------|------|-------------|
|                                  | NTU  | NTU  | NTU  | NTU  | NTU  | NTU         | Time                       | NTU  |             |
| 03/01/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/02/24                         | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02        | 06:45                      | 0.02 |             |
| 03/03/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/04/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/05/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/06/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/07/24                         | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02        | 02:15                      | 0.02 |             |
| 03/08/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/09/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/10/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/11/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/12/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/13/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/14/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/15/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/16/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/17/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/18/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/19/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/20/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/21/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/22/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/23/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/24/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/25/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/26/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/27/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03        | 15:45                      | 0.03 |             |
| 03/28/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/29/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/30/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 03/31/24                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| <b>Highest NTU 4 hr. reading</b> |      |      |      |      |      | <b>0.03</b> | <b>Highest 15 min Read</b> |      | <b>0.03</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: Monday, April 1, 2024

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

System Name: McMinnville Water & Light

Id#- 4100497

Month/Yr: March 2024

| Day       | Time  | Peak Hourly Flow<br>MGD | Cl2 Residual at<br>1st User (C)<br>mg/l | Contact Time<br>(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 |
|-----------|-------|-------------------------|---|--------------------------------|--------------------|------------|----------|---------------------|-----------------------------------|--------------------|
| 3/1/2024  | 08:00 | 3.64                    | 1.35                                    | 58.0                           | 78.3               | 7          | 7.39     | 31                  | 2.53                              | Yes                |
| 3/2/2024  | 10:00 | 3.63                    | 1.36                                    | 58.0                           | 78.9               | 7          | 7.39     | 31                  | 2.54                              | Yes                |
| 3/3/2024  | 08:00 | 3.60                    | 1.42                                    | 58.0                           | 82.4               | 7          | 7.43     | 32                  | 2.57                              | Yes                |
| 3/4/2024  | 12:00 | 3.61                    | 1.35                                    | 58.0                           | 78.3               | 7          | 7.36     | 31                  | 2.53                              | Yes                |
| 3/5/2024  | 14:00 | 3.88                    | 1.36                                    | 58.0                           | 78.9               | 7          | 7.39     | 31                  | 2.54                              | Yes                |
| 3/6/2024  | 12:00 | 3.85                    | 1.35                                    | 58.0                           | 78.3               | 7          | 7.39     | 31                  | 2.53                              | Yes                |
| 3/7/2024  | 15:00 | 4.00                    | 1.37                                    | 58.0                           | 79.5               | 7          | 7.40     | 31                  | 2.56                              | Yes                |
| 3/8/2024  | 09:00 | 4.10                    | 1.30                                    | 58.0                           | 75.4               | 7          | 7.43     | 31                  | 2.43                              | Yes                |
| 3/9/2024  | 11:00 | 4.10                    | 1.37                                    | 58.0                           | 79.5               | 7          | 7.43     | 31                  | 2.56                              | Yes                |
| 3/10/2024 | 11:00 | 4.06                    | 1.42                                    | 58.0                           | 82.4               | 7          | 7.43     | 32                  | 2.57                              | Yes                |
| 3/11/2024 | 10:00 | 4.07                    | 1.31                                    | 58.0                           | 76.0               | 7          | 7.36     | 31                  | 2.45                              | Yes                |
| 3/12/2024 | 12:00 | 4.08                    | 1.34                                    | 58.0                           | 77.7               | 7          | 7.42     | 31                  | 2.51                              | Yes                |
| 3/13/2024 | 11:00 | 4.01                    | 1.36                                    | 58.0                           | 78.9               | 7          | 7.35     | 31                  | 2.54                              | Yes                |
| 3/14/2024 | 08:00 | 3.93                    | 1.36                                    | 58.0                           | 78.9               | 8          | 7.38     | 31                  | 2.54                              | Yes                |
| 3/15/2024 | 08:00 | 3.87                    | 1.30                                    | 58.0                           | 75.4               | 8          | 7.39     | 31                  | 2.43                              | Yes                |
| 3/16/2024 | 09:00 | 3.86                    | 1.29                                    | 58.0                           | 74.8               | 8          | 7.40     | 31                  | 2.41                              | Yes                |
| 3/17/2024 | 10:00 | 3.86                    | 1.31                                    | 58.0                           | 76.0               | 8          | 7.35     | 31                  | 2.45                              | Yes                |
| 3/18/2024 | 12:00 | 3.86                    | 1.37                                    | 58.0                           | 79.5               | 8          | 7.40     | 31                  | 2.56                              | Yes                |
| 3/19/2024 | 11:00 | 3.87                    | 1.31                                    | 58.0                           | 76.0               | 9          | 7.34     | 31                  | 2.45                              | Yes                |
| 3/20/2024 | 11:00 | 3.86                    | 1.36                                    | 58.0                           | 78.9               | 9          | 7.42     | 31                  | 2.54                              | Yes                |
| 3/21/2024 | 09:00 | 3.84                    | 1.36                                    | 58.0                           | 78.9               | 9          | 7.45     | 31                  | 2.54                              | Yes                |
| 3/22/2024 | 10:00 | 3.86                    | 1.31                                    | 58.0                           | 76.0               | 9          | 7.46     | 31                  | 2.45                              | Yes                |
| 3/23/2024 | 08:00 | 3.85                    | 1.37                                    | 58.0                           | 79.5               | 9          | 7.42     | 31                  | 2.56                              | Yes                |
| 3/24/2024 | 08:00 | 3.77                    | 1.41                                    | 58.0                           | 81.8               | 9          | 7.42     | 32                  | 2.56                              | Yes                |
| 3/25/2024 | 10:00 | 3.77                    | 1.36                                    | 58.0                           | 78.9               | 9          | 7.42     | 31                  | 2.54                              | Yes                |
| 3/26/2024 | 09:00 | 3.77                    | 1.32                                    | 58.0                           | 76.6               | 9          | 7.40     | 31                  | 2.47                              | Yes                |
| 3/27/2024 | 12:00 | 3.79                    | 1.39                                    | 58.0                           | 80.6               | 9          | 7.40     | 31                  | 2.60                              | Yes                |
| 3/28/2024 | 13:00 | 3.80                    | 1.31                                    | 58.0                           | 76.0               | 9          | 7.36     | 31                  | 2.45                              | Yes                |
| 3/29/2024 | 10:00 | 3.79                    | 1.31                                    | 58.0                           | 76.0               | 9          | 7.30     | 31                  | 2.45                              | Yes                |
| 3/30/2024 | 09:00 | 3.78                    | 1.39                                    | 58.0                           | 80.6               | 9          | 7.36     | 31                  | 2.60                              | Yes                |
| 3/31/2024 | 09:00 | 3.74                    | 1.36                                    | 58.0                           | 78.9               | 9          | 7.33     | 31                  | 2.54                              | Yes                |