



## DHS-Drinking Water Program

### Turbidity Monitoring Report Form

**YAMHILL CO.**

System Name: McMinnville Water and Light

Id#: **4100497-A** Month/Year: **May, 2022**

| DAY                              | 0000 | 0400 | 0800 | 1200 | 1600 | 2000        | Highest 15 min Reading     |      |             |
|----------------------------------|------|------|------|------|------|-------------|----------------------------|------|-------------|
|                                  | NTU  | NTU  | NTU  | NTU  | NTU  | NTU         | Time                       | NTU  |             |
| 05/01/22                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 07:15                      | 0.03 |             |
| 05/02/22                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 05/03/22                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 10:15                      | 0.03 |             |
| 05/04/22                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03        | 11:45                      | 0.03 |             |
| 05/05/22                         | 0.03 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03        | 00:00                      | 0.03 |             |
| 05/06/22                         | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03        | 00:00                      | 0.03 |             |
| 05/07/22                         | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03        | 00:00                      | 0.03 |             |
| 05/08/22                         | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03        | 00:00                      | 0.03 |             |
| 05/09/22                         | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03        | 00:00                      | 0.03 |             |
| 05/10/22                         | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03        | 00:00                      | 0.03 |             |
| 05/11/22                         | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03        | 00:00                      | 0.03 |             |
| 05/12/22                         | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03        | 00:00                      | 0.03 |             |
| 05/13/22                         | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03        | 00:15                      | 0.03 |             |
| 05/14/22                         | 0.03 | 0.02 | 0.03 | 0.03 | 0.03 | 0.02        | 00:00                      | 0.03 |             |
| 05/15/22                         | 0.02 | 0.02 | 0.03 | 0.03 | 0.02 | 0.02        | 07:15                      | 0.03 |             |
| 05/16/22                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.02        | 11:15                      | 0.03 |             |
| 05/17/22                         | 0.02 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02        | 10:00                      | 0.03 |             |
| 05/18/22                         | 0.02 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02        | 09:00                      | 0.03 |             |
| 05/19/22                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 05/20/22                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 05/21/22                         | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 05/22/22                         | 0.01 | 0.02 | 0.01 | 0.02 | 0.02 | 0.02        | 00:00                      | 0.02 |             |
| 05/23/22                         | 0.01 | 0.01 | 0.01 | 0.03 | 0.02 | 0.03        | 01:45                      | 0.02 |             |
| 05/24/22                         | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.03        | 10:45                      | 0.03 |             |
| 05/25/22                         | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04        | 10:00                      | 0.04 |             |
| 05/26/22                         | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03        | 12:15                      | 0.04 |             |
| 05/27/22                         | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03        | 00:00                      | 0.04 |             |
| 05/28/22                         | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03        | 00:00                      | 0.03 |             |
| 05/29/22                         | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03        | 00:00                      | 0.03 |             |
| 05/30/22                         | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03        | 07:15                      | 0.03 |             |
| 05/31/22                         | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03        | 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  
 All turbidity readings < 1 NTU?  Yes,  No  
 All turbidity readings < IFE triggers?  Yes,  No  
 CT's met everyday?  Yes,  No  
 All Cl2 residual at entry  Yes,  No  
 Cl2 residual measured in 95% of distribution samples?  Yes,  No  
 point always >= 0.2 mg/l?

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: Wednesday, June 1, 2022

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

System Name: McMinnville Water & Light

Id#- 4100497

Month/Yr: May 2022

| 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 |
|-----------|-------|-------------------------|---|--------------------------------|--------------------|------------|----------|---------------------|-----------------------------------|--------------------|
| 5/1/2022  | 03:00 | 3.95                    | 1.38                                    | 58.0                           | 80.0               | 8.00       | 7.25     | 31                  | 2.58                              | Yes                |
| 5/2/2022  | 11:00 | 3.67                    | 1.28                                    | 58.0                           | 74.2               | 8.00       | 7.29     | 31                  | 2.39                              | Yes                |
| 5/3/2022  | 19:00 | 3.95                    | 1.27                                    | 58.0                           | 73.7               | 9.00       | 7.23     | 31                  | 2.38                              | Yes                |
| 5/4/2022  | 13:00 | 4.77                    | 1.28                                    | 58.0                           | 74.2               | 9.00       | 7.24     | 31                  | 2.39                              | Yes                |
| 5/5/2022  | 10:00 | 4.29                    | 1.36                                    | 58.0                           | 78.9               | 9.00       | 7.33     | 31                  | 2.54                              | Yes                |
| 5/6/2022  | 10:00 | 4.27                    | 1.28                                    | 58.0                           | 74.2               | 9.00       | 7.33     | 31                  | 2.39                              | Yes                |
| 5/7/2022  | 03:00 | 4.29                    | 1.34                                    | 58.0                           | 77.7               | 9.00       | 7.35     | 31                  | 2.51                              | Yes                |
| 5/8/2022  | 09:00 | 3.88                    | 1.25                                    | 58.0                           | 72.5               | 9.00       | 7.33     | 31                  | 2.34                              | Yes                |
| 5/9/2022  | 09:00 | 3.84                    | 1.25                                    | 58.0                           | 72.5               | 9.00       | 7.39     | 31                  | 2.34                              | Yes                |
| 5/10/2022 | 09:00 | 3.77                    | 1.31                                    | 58.0                           | 76.0               | 8.00       | 7.33     | 31                  | 2.45                              | Yes                |
| 5/11/2022 | 16:00 | 4.10                    | 1.32                                    | 58.0                           | 76.6               | 8.00       | 7.37     | 31                  | 2.47                              | Yes                |
| 5/12/2022 | 10:00 | 4.15                    | 1.33                                    | 58.0                           | 77.1               | 9.00       | 7.31     | 31                  | 2.49                              | Yes                |
| 5/13/2022 | 09:00 | 4.14                    | 1.32                                    | 58.0                           | 76.6               | 9.00       | 7.39     | 31                  | 2.47                              | Yes                |
| 5/14/2022 | 00:00 | 4.07                    | 1.35                                    | 58.0                           | 78.3               | 8.00       | 7.40     | 31                  | 2.53                              | Yes                |
| 5/15/2022 | 09:00 | 3.80                    | 1.33                                    | 58.0                           | 77.1               | 9.00       | 7.38     | 31                  | 2.49                              | Yes                |
| 5/16/2022 | 11:00 | 3.51                    | 1.26                                    | 58.0                           | 73.1               | 9.00       | 7.37     | 31                  | 2.36                              | Yes                |
| 5/17/2022 | 12:00 | 3.95                    | 1.22                                    | 58.0                           | 70.8               | 9.00       | 7.41     | 31                  | 2.28                              | Yes                |
| 5/18/2022 | 22:00 | 4.17                    | 1.31                                    | 58.0                           | 76.0               | 9.00       | 7.38     | 31                  | 2.45                              | Yes                |
| 5/19/2022 | 09:00 | 4.26                    | 1.40                                    | 58.0                           | 81.2               | 9.00       | 7.37     | 31                  | 2.62                              | Yes                |
| 5/20/2022 | 10:00 | 4.32                    | 1.28                                    | 58.0                           | 74.2               | 9.00       | 7.38     | 31                  | 2.39                              | Yes                |
| 5/21/2022 | 09:00 | 4.35                    | 1.31                                    | 58.0                           | 76.0               | 9.00       | 7.40     | 31                  | 2.45                              | Yes                |
| 5/22/2022 | 09:00 | 4.29                    | 1.34                                    | 58.0                           | 77.7               | 9.00       | 7.39     | 31                  | 2.51                              | Yes                |
| 5/23/2022 | 22:00 | 4.73                    | 1.33                                    | 58.0                           | 77.1               | 10.00      | 7.40     | 23                  | 3.35                              | Yes                |
| 5/24/2022 | 11:00 | 4.75                    | 1.27                                    | 58.0                           | 73.7               | 10.00      | 7.46     | 23                  | 3.20                              | Yes                |
| 5/25/2022 | 14:00 | 4.76                    | 1.37                                    | 58.0                           | 79.5               | 10.00      | 7.42     | 23                  | 3.45                              | Yes                |
| 5/26/2022 | 15:00 | 5.07                    | 1.26                                    | 58.0                           | 73.1               | 10.00      | 7.42     | 23                  | 3.18                              | Yes                |
| 5/27/2022 | 02:00 | 5.06                    | 1.29                                    | 58.0                           | 74.8               | 10.00      | 7.40     | 23                  | 3.25                              | Yes                |
| 5/28/2022 | 01:00 | 4.69                    | 1.28                                    | 58.0                           | 74.2               | 10.00      | 7.40     | 23                  | 3.23                              | Yes                |
| 5/29/2022 | 05:00 | 4.14                    | 1.28                                    | 58.0                           | 74.2               | 10.00      | 7.40     | 23                  | 3.23                              | Yes                |
| 5/30/2022 | 09:00 | 3.67                    | 1.22                                    | 58.0                           | 70.8               | 10.00      | 7.36     | 23                  | 3.08                              | Yes                |
| 5/31/2022 | 10:00 | 4.06                    | 1.41                                    | 58.0                           | 81.8               | 10.00      | 7.36     | 24                  | 3.41                              | Yes                |