



## DHS-Drinking Water Program

### Turbidity Monitoring Report Form

**YAMHILL CO.**

System Name: McMinnville Water and Light

Id#: **4100497-A** Month/Year: July, 2021

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

Signature: \_\_\_\_\_

Phone #: (503) 472-6158      Cert #: T-08486

Date: Monday, August 2, 2021

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

System Name: McMinnville Water & Light

Id#- 4100497

Month/Yr: July 2021

| 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 |
|-----------|-------|-------------------------|---|--------------------------------|--------------------|------------|----------|---------------------|-----------------------------------|--------------------|
| 7/1/2021  | 13:00 | 9.04                    | 1.15                                    | 58.0                           | 66.7               | 15.00      | 7.22     | 15                  | 4.45                              | Yes                |
| 7/2/2021  | 22:00 | 9.07                    | 1.19                                    | 58.0                           | 69.0               | 15.00      | 7.30     | 15                  | 4.60                              | Yes                |
| 7/3/2021  | 11:00 | 11.89                   | 1.37                                    | 58.0                           | 79.5               | 14.00      | 7.32     | 23                  | 3.45                              | Yes                |
| 7/4/2021  | 07:00 | 11.40                   | 1.28                                    | 58.0                           | 74.2               | 14.00      | 7.30     | 23                  | 3.23                              | Yes                |
| 7/5/2021  | 03:00 | 9.65                    | 1.28                                    | 58.0                           | 74.2               | 14.00      | 7.30     | 23                  | 3.23                              | Yes                |
| 7/6/2021  | 11:00 | 8.93                    | 1.28                                    | 58.0                           | 74.2               | 14.00      | 7.31     | 23                  | 3.23                              | Yes                |
| 7/7/2021  | 07:00 | 8.89                    | 1.27                                    | 58.0                           | 73.7               | 14.00      | 7.33     | 23                  | 3.20                              | Yes                |
| 7/8/2021  | 12:00 | 8.91                    | 1.25                                    | 58.0                           | 72.5               | 14.00      | 7.30     | 23                  | 3.15                              | Yes                |
| 7/9/2021  | 10:00 | 8.96                    | 1.27                                    | 58.0                           | 73.7               | 13.00      | 7.26     | 23                  | 3.20                              | Yes                |
| 7/10/2021 | 09:00 | 9.38                    | 1.15                                    | 58.0                           | 66.7               | 13.00      | 7.29     | 23                  | 2.90                              | Yes                |
| 7/11/2021 | 08:00 | 9.38                    | 1.23                                    | 58.0                           | 71.3               | 13.00      | 7.30     | 23                  | 3.10                              | Yes                |
| 7/12/2021 | 08:00 | 9.42                    | 1.27                                    | 58.0                           | 73.7               | 13.00      | 7.29     | 23                  | 3.20                              | Yes                |
| 7/13/2021 | 14:00 | 8.90                    | 1.23                                    | 58.0                           | 71.3               | 13.00      | 7.30     | 23                  | 3.10                              | Yes                |
| 7/14/2021 | 22:00 | 8.89                    | 1.22                                    | 58.0                           | 70.8               | 13.00      | 7.30     | 23                  | 3.08                              | Yes                |
| 7/15/2021 | 15:00 | 8.95                    | 1.20                                    | 58.0                           | 69.6               | 13.00      | 7.29     | 23                  | 3.03                              | Yes                |
| 7/16/2021 | 11:00 | 8.46                    | 1.19                                    | 58.0                           | 69.0               | 14.00      | 7.30     | 23                  | 3.00                              | Yes                |
| 7/17/2021 | 13:00 | 9.46                    | 1.19                                    | 58.0                           | 69.0               | 13.00      | 7.29     | 23                  | 3.00                              | Yes                |
| 7/18/2021 | 02:00 | 9.39                    | 1.24                                    | 58.0                           | 71.9               | 13.00      | 7.29     | 23                  | 3.13                              | Yes                |
| 7/19/2021 | 14:00 | 8.73                    | 1.19                                    | 58.0                           | 69.0               | 13.00      | 7.31     | 23                  | 3.00                              | Yes                |
| 7/20/2021 | 13:00 | 9.01                    | 1.34                                    | 58.0                           | 77.7               | 13.00      | 7.30     | 23                  | 3.38                              | Yes                |
| 7/21/2021 | 14:00 | 9.03                    | 1.28                                    | 58.0                           | 74.2               | 13.00      | 7.29     | 23                  | 3.23                              | Yes                |
| 7/22/2021 | 09:00 | 9.09                    | 1.28                                    | 58.0                           | 74.2               | 12.00      | 7.35     | 23                  | 3.23                              | Yes                |
| 7/23/2021 | 08:00 | 9.31                    | 1.22                                    | 58.0                           | 70.8               | 13.00      | 7.34     | 23                  | 3.08                              | Yes                |
| 7/24/2021 | 11:00 | 9.81                    | 1.16                                    | 58.0                           | 67.3               | 13.00      | 7.33     | 23                  | 2.93                              | Yes                |
| 7/25/2021 | 14:00 | 9.77                    | 1.27                                    | 58.0                           | 73.7               | 13.00      | 7.28     | 23                  | 3.20                              | Yes                |
| 7/26/2021 | 10:00 | 9.80                    | 1.33                                    | 58.0                           | 77.1               | 13.00      | 7.29     | 23                  | 3.35                              | Yes                |
| 7/27/2021 | 11:00 | 9.86                    | 1.33                                    | 58.0                           | 77.1               | 13.00      | 7.29     | 23                  | 3.35                              | Yes                |
| 7/28/2021 | 14:00 | 10.05                   | 1.27                                    | 58.0                           | 73.7               | 13.00      | 7.30     | 23                  | 3.20                              | Yes                |
| 7/29/2021 | 12:00 | 10.83                   | 1.29                                    | 58.0                           | 74.8               | 13.00      | 7.25     | 23                  | 3.25                              | Yes                |
| 7/30/2021 | 12:00 | 11.03                   | 1.20                                    | 58.0                           | 69.6               | 13.00      | 7.23     | 23                  | 3.03                              | Yes                |
| 7/31/2021 | 03:00 | 11.02                   | 1.23                                    | 58.0                           | 71.3               | 14.00      | 7.23     | 23                  | 3.10                              | Yes                |