

OHA - Drinking Water Program - Turbidity Monitoring Report Form County: Clackamas

Conventional or Direct Filtration

System Name: LAKE OSWEGO - TIGARD WATER SUPPLY ID#: OR4101542 WTP: A Date: May/2021

| DAY        | 12 AM NTU | 4 AM NTU  | 8 AM NTU | Noon NTU | 4 PM NTU | 8 PM NTU | Max CFE Turbidity NTU |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|
| 05/01/2021 | plant off | plant off | 0.02     | 0.022    | 0.023    | 0.02     | 0.033                 |
| 05/02/2021 | plant off | plant off | 0.02     | 0.022    | 0.023    | 0.021    | 0.030                 |
| 05/03/2021 | plant off | plant off | 0.019    | 0.022    | 0.022    | 0.019    | 0.033                 |
| 05/04/2021 | plant off | plant off | 0.019    | 0.02     | 0.019    | 0.02     | 0.031                 |
| 05/05/2021 | plant off | plant off | 0.02     | 0.021    | 0.129    | 0.02     | 0.036                 |
| 05/06/2021 | plant off | plant off | 0.02     | 0.022    | 0.02     | 0.02     | 0.032                 |
| 05/07/2021 | plant off | plant off | 0.02     | 0.02     | 0.019    | 0.019    | 0.032                 |
| 05/08/2021 | plant off | plant off | 0.019    | 0.02     | 0.02     | 0.022    | 0.033                 |
| 05/09/2021 | plant off | plant off | 0.019    | 0.022    | 0.022    | 0.023    | 0.034                 |
| 05/10/2021 | plant off | plant off | 0.02     | 0.013    | 0.019    | 0.02     | 0.031                 |
| 05/11/2021 | plant off | plant off | 0.019    | 0.02     | 0.02     | 0.019    | 0.031                 |
| 05/12/2021 | plant off | plant off | 0.019    | 0.024    | 0.019    | 0.02     | 0.026                 |
| 05/13/2021 | 0.019     | plant off | 0.019    | 0.02     | 0.019    | 0.019    | 0.033                 |
| 05/14/2021 | plant off | plant off | 0.02     | 0.023    | 0.021    | 0.019    | 0.027                 |
| 05/15/2021 | plant off | plant off | 0.02     | 0.021    | 0.02     | 0.02     | 0.033                 |
| 05/16/2021 | plant off | plant off | 0.02     | 0.02     | 0.019    | 0.019    | 0.026                 |
| 05/17/2021 | plant off | plant off | 0.02     | 0.019    | 0.019    | 0.022    | 0.027                 |
| 05/18/2021 | plant off | plant off | 0.02     | 0.021    | 0.019    | 0.02     | 0.029                 |
| 05/19/2021 | plant off | plant off | 0.019    | 0.019    | 0.02     | 0.019    | 0.032                 |
| 05/20/2021 | plant off | plant off | 0.019    | 0.02     | 0.019    | 0.019    | 0.031                 |
| 05/21/2021 | plant off | plant off | 0.021    | 0.019    | 0.019    | 0.02     | 0.032                 |
| 05/22/2021 | plant off | plant off | 0.02     | 0.019    | 0.021    | 0.02     | 0.030                 |
| 05/23/2021 | plant off | plant off | 0.02     | 0.02     | 0.019    | 0.02     | 0.029                 |
| 05/24/2021 | plant off | plant off | 0.021    | 0.022    | 0.02     | 0.02     | 0.032                 |
| 05/25/2021 | plant off | plant off | 0.019    | 0.019    | 0.02     | 0.019    | 0.033                 |
| 05/26/2021 | plant off | plant off | 0.019    | 0.022    | 0.02     | 0.021    | 0.032                 |
| 05/27/2021 | plant off | plant off | 0.022    | 0.02     | 0.022    | 0.02     | 0.035                 |
| 05/28/2021 | plant off | plant off | 0.019    | 0.019    | 0.021    | 0.019    | 0.032                 |
| 05/29/2021 | plant off | plant off | 0.02     | 0.02     | 0.02     | 0.019    | 0.032                 |
| 05/30/2021 | plant off | plant off | 0.019    | 0.02     | 0.021    | 0.02     | 0.032                 |
| 05/31/2021 | plant off | plant off | 0.02     | 0.02     | 0.019    | 0.019    | 0.034                 |

Conventional or Direct Filtration

95% of the 4-hour turbidity readings  $\leq 0.3$  NTU?  Yes /  No  
 All the 4-hour turbidity readings  $< 1$  NTU?  Yes /  No  
 All Turbidity readings  $<$  IFE triggers?  Yes /  No

Monthly Summary (answer Yes or No)

CT's met everyday? (see page 2)  Yes /  No  
 All Cl2 residuals at POE always  $> 0.2$ ?  Yes /  No

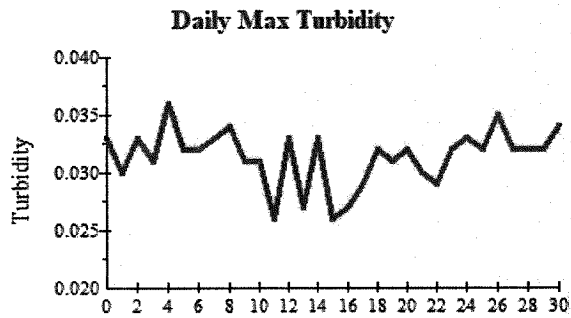
Print Name Bret Bienerth 07-Jun-21

Signature 

Phone (503) 635-0394 Cert # 08749

0.019

|       |       |       |       |
|-------|-------|-------|-------|
| 0.020 | 0.022 | 0.023 | 0.020 |
| 0.020 | 0.022 | 0.023 | 0.021 |
| 0.019 | 0.022 | 0.022 | 0.019 |
| 0.019 | 0.020 | 0.019 | 0.020 |
| 0.020 | 0.021 | 0.129 | 0.020 |
| 0.020 | 0.022 | 0.020 | 0.020 |
| 0.020 | 0.020 | 0.019 | 0.019 |
| 0.019 | 0.020 | 0.020 | 0.022 |
| 0.019 | 0.022 | 0.022 | 0.023 |
| 0.020 | 0.013 | 0.019 | 0.020 |
| 0.019 | 0.020 | 0.020 | 0.019 |
| 0.019 | 0.024 | 0.019 | 0.020 |
| 0.019 | 0.020 | 0.019 | 0.019 |
| 0.020 | 0.023 | 0.021 | 0.019 |
| 0.020 | 0.021 | 0.020 | 0.020 |
| 0.020 | 0.020 | 0.019 | 0.019 |
| 0.020 | 0.019 | 0.019 | 0.022 |
| 0.020 | 0.021 | 0.019 | 0.020 |
| 0.019 | 0.019 | 0.020 | 0.019 |
| 0.019 | 0.020 | 0.019 | 0.019 |
| 0.021 | 0.019 | 0.019 | 0.020 |
| 0.020 | 0.019 | 0.021 | 0.020 |
| 0.020 | 0.020 | 0.019 | 0.020 |
| 0.021 | 0.022 | 0.020 | 0.020 |
| 0.019 | 0.019 | 0.020 | 0.019 |
| 0.019 | 0.022 | 0.020 | 0.021 |
| 0.022 | 0.020 | 0.022 | 0.020 |
| 0.019 | 0.019 | 0.021 | 0.019 |
| 0.020 | 0.020 | 0.020 | 0.019 |
| 0.019 | 0.020 | 0.021 | 0.020 |
| 0.020 | 0.020 | 0.019 | 0.019 |



**OHA - Drinking Water Program - Surface Water Quality Data Form - Giardia Inactivation**

|                                   |             |             |              |
|-----------------------------------|-------------|-------------|--------------|
| <b>System Name:</b>               | <b>ID#:</b> | <b>WTP:</b> | <b>Date:</b> |
| Lake Oswego - Tigard Water Supply | 4101542     | EP-A        | May 2021     |

| Date | Min. Cl Residual<br>@ 1st user (C) | Contact Time<br>(T) | Actual CT | Temp | pH   | Required<br>CT | CT Met? | Peak<br>Hourly<br>Flow |
|------|------------------------------------|---------------------|-----------|------|------|----------------|---------|------------------------|
|      | mg/L                               | minutes             | C x T     | °C   | FW   | formula        | Yes/No  | (GPM)                  |
| 5/1  | 1.27                               | 59.23               | 75.22     | 11.9 | 7.87 | 23.4           | Y       | 15,474                 |
| 5/2  | 1.25                               | 66.12               | 82.65     | 12.2 | 7.89 | 23.1           | Y       | 13,861                 |
| 5/3  | 1.22                               | 62.81               | 76.63     | 11.9 | 8.04 | 24.9           | Y       | 14,591                 |
| 5/4  | 1.25                               | 61.06               | 76.33     | 11.6 | 7.93 | 24.5           | Y       | 15,008                 |
| 5/5  | 1.25                               | 59.57               | 74.46     | 13.3 | 7.76 | 20.1           | Y       | 15,384                 |
| 5/6  | 1.28                               | 52.14               | 66.74     | 12.1 | 7.83 | 22.7           | Y       | 17,577                 |
| 5/7  | 1.19                               | 62.66               | 74.57     | 12.9 | 7.88 | 21.7           | Y       | 14,626                 |
| 5/8  | 1.32                               | 54.51               | 71.95     | 12.8 | 8.00 | 23.0           | Y       | 16,814                 |
| 5/9  | 1.26                               | 63.22               | 79.66     | 12.8 | 7.86 | 21.8           | Y       | 14,496                 |
| 5/10 | 1.26                               | 62.60               | 78.88     | 12.6 | 7.93 | 22.7           | Y       | 14,639                 |
| 5/11 | 1.28                               | 58.48               | 74.85     | 11.8 | 7.88 | 23.7           | Y       | 15,670                 |
| 5/12 | 1.10                               | 50.10               | 55.11     | 13.1 | 7.71 | 19.6           | Y       | 18,291                 |
| 5/13 | 1.29                               | 44.13               | 56.93     | 13.4 | 8.07 | 22.5           | Y       | 20,767                 |
| 5/14 | 1.22                               | 45.74               | 55.80     | 16.0 | 7.76 | 16.3           | Y       | 20,036                 |
| 5/15 | 1.27                               | 49.61               | 63.00     | 14.2 | 7.84 | 19.2           | Y       | 18,474                 |
| 5/16 | 1.24                               | 50.35               | 62.43     | 16.2 | 7.95 | 17.5           | Y       | 18,201                 |
| 5/17 | 1.22                               | 47.15               | 57.52     | 17.1 | 7.86 | 16.0           | Y       | 19,436                 |
| 5/18 | 1.22                               | 56.54               | 68.98     | 15.5 | 7.73 | 16.5           | Y       | 16,208                 |
| 5/19 | 1.25                               | 55.73               | 69.66     | 13.8 | 7.89 | 20.3           | Y       | 16,445                 |
| 5/20 | 1.24                               | 60.98               | 75.62     | 15.1 | 7.82 | 17.5           | Y       | 15,028                 |
| 5/21 | 1.22                               | 61.24               | 74.71     | 12.7 | 7.85 | 21.8           | Y       | 14,965                 |
| 5/22 | 1.24                               | 61.44               | 76.19     | 13.0 | 7.80 | 20.9           | Y       | 14,917                 |
| 5/23 | 1.23                               | 62.48               | 76.85     | 12.5 | 7.87 | 22.3           | Y       | 14,668                 |
| 5/24 | 1.25                               | 52.62               | 65.78     | 12.3 | 7.85 | 22.5           | Y       | 17,418                 |
| 5/25 | 1.22                               | 58.60               | 71.49     | 13.4 | 7.90 | 21.0           | Y       | 15,640                 |
| 5/26 | 1.29                               | 62.51               | 80.64     | 13.8 | 7.88 | 20.2           | Y       | 14,660                 |
| 5/27 | 1.23                               | 62.38               | 76.73     | 15.7 | 7.82 | 17.0           | Y       | 14,692                 |
| 5/28 | 1.26                               | 66.30               | 83.54     | 14.8 | 7.93 | 18.8           | Y       | 13,823                 |
| 5/29 | 1.28                               | 61.20               | 78.34     | 14.4 | 7.81 | 18.6           | Y       | 14,975                 |
| 5/30 | 1.24                               | 49.51               | 61.39     | 16.4 | 7.80 | 16.3           | Y       | 18,511                 |
| 5/31 | 1.22                               | 44.10               | 53.80     | 14.4 | 7.99 | 20.0           | Y       | 20,779                 |

Supervisor's Signature: 

Print Name: Bret Bienert 08749

Date: