

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: April/2023

| DAY | 12 AM NTU | 4 AM NTU | 8 AM NTU | Noon NTU | 4 PM NTU | 8 PM NTU | Max CFE Turbidity NTU |
|------------|-----------|-----------|----------|----------|----------|-----------|-----------------------|
| 04/01/2023 | plant off | plant off | 0.023 | 0.023 | 0.023 | 0.023 | 0.035 |
| 04/02/2023 | plant off | plant off | 0.024 | 0.026 | 0.027 | 0.023 | 0.037 |
| 04/03/2023 | plant off | plant off | 0.023 | 0.037 | 0.03 | 0.027 | 0.145 |
| 04/04/2023 | plant off | plant off | 0.024 | 0.025 | 0.025 | 0.024 | 0.032 |
| 04/05/2023 | plant off | plant off | 0.027 | 0.024 | 0.024 | 0.029 | 0.041 |
| 04/06/2023 | plant off | plant off | 0.027 | 0.028 | 0.027 | 0.024 | 0.057 |
| 04/07/2023 | plant off | plant off | 0.022 | 0.023 | 0.025 | 0.024 | 0.032 |
| 04/08/2023 | plant off | plant off | 0.028 | 0.025 | 0.025 | 0.026 | 0.043 |
| 04/09/2023 | plant off | plant off | 0.023 | 0.023 | 0.024 | 0.022 | 0.035 |
| 04/10/2023 | plant off | plant off | 0.022 | 0.023 | 0.023 | 0.023 | 0.036 |
| 04/11/2023 | plant off | plant off | 0.023 | 0.028 | 0.027 | 0.031 | 0.041 |
| 04/12/2023 | plant off | plant off | 0.03 | 0.027 | 0.026 | 0.042 | 0.045 |
| 04/13/2023 | plant off | plant off | 0.029 | 0.027 | 0.026 | 0.04 | 0.040 |
| 04/14/2023 | plant off | plant off | 0.033 | 0.025 | 0.026 | 0.023 | 0.046 |
| 04/15/2023 | plant off | plant off | 0.025 | 0.024 | 0.032 | 0.023 | 0.036 |
| 04/16/2023 | plant off | plant off | 0.022 | 0.022 | 0.023 | 0.022 | 0.034 |
| 04/17/2023 | plant off | plant off | 0.022 | 0.029 | 0.023 | 0.023 | 0.034 |
| 04/18/2023 | plant off | plant off | 0.021 | 0.022 | 0.025 | 0.024 | 0.033 |
| 04/19/2023 | plant off | plant off | 0.024 | 0.021 | 0.029 | 0.027 | 0.036 |
| 04/20/2023 | plant off | plant off | 0.022 | 0.023 | 0.026 | plant off | 0.033 |
| 04/21/2023 | plant off | plant off | 0.021 | 0.023 | 0.023 | 0.023 | 0.034 |
| 04/22/2023 | plant off | plant off | 0.021 | 0.022 | 0.027 | 0.022 | 0.030 |
| 04/23/2023 | plant off | plant off | 0.022 | 0.022 | 0.024 | 0.026 | 0.037 |
| 04/24/2023 | plant off | plant off | 0.022 | 0.024 | 0.024 | 0.024 | 0.032 |
| 04/25/2023 | plant off | plant off | 0.021 | 0.021 | 0.027 | 0.024 | 0.041 |
| 04/26/2023 | plant off | plant off | 0.022 | 0.022 | 0.022 | 0.022 | 0.028 |
| 04/27/2023 | plant off | plant off | 0.025 | 0.026 | 0.024 | 0.031 | 0.035 |
| 04/28/2023 | plant off | plant off | 0.022 | 0.022 | 0.022 | 0.022 | 0.033 |
| 04/29/2023 | plant off | plant off | 0.025 | 0.023 | 0.024 | 0.023 | 0.033 |
| 04/30/2023 | plant off | plant off | 0.022 | 0.022 | 0.023 | 0.025 | 0.034 |

Conventional or Direct Filtration

95% of the 4-hour turbidity readings ≤ 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 01-May-23

Signature 

Phone (503) 635-0394 Cert # 08749

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

| | | | |
|--|------------------------|---------------------|----------------------------|
| System Name: Lake Oswego - Tigard Water Supply | ID#: 4101542 | WTP: EP-A | Date: April 2023 |
|--|------------------------|---------------------|----------------------------|

| Date | Min. Cl Residual @ 1st user (C) | Contact Time (T) | Actual CT | Temp | pH | Required CT | CT Met? | Peak Hourly Flow |
|------|------------------------------------|---------------------|-----------|------|------|----------------|---------|------------------------|
| | mg/L | minutes | C x T | °C | FW | formula | Yes/No | (GPM) |
| 4/1 | 1.20 | 81.25 | 97.50 | 7.7 | 7.99 | 32.0 | Y | 11,279 |
| 4/2 | 1.33 | 78.51 | 104.42 | 7.6 | 7.96 | 32.2 | Y | 11,673 |
| 4/3 | 1.25 | 76.16 | 95.20 | 7.7 | 7.82 | 30.2 | Y | 12,034 |
| 4/4 | 1.24 | 76.72 | 95.13 | 7.4 | 7.98 | 32.6 | Y | 11,946 |
| 4/5 | 1.21 | 76.59 | 92.67 | 8.1 | 7.89 | 30.3 | Y | 11,965 |
| 4/6 | 1.25 | 88.44 | 110.55 | 8.0 | 8.11 | 33.1 | Y | 10,363 |
| 4/7 | 1.16 | 73.75 | 85.55 | 8.0 | 8.13 | 33.0 | Y | 12,426 |
| 4/8 | 1.21 | 72.18 | 87.34 | 8.2 | 7.80 | 29.1 | Y | 12,696 |
| 4/9 | 1.35 | 78.42 | 105.87 | 8.7 | 7.93 | 29.8 | Y | 11,687 |
| 4/10 | 1.23 | 74.07 | 91.11 | 8.8 | 7.79 | 28.0 | Y | 12,373 |
| 4/11 | 1.22 | 78.14 | 95.33 | 8.4 | 7.91 | 29.9 | Y | 11,729 |
| 4/12 | 1.23 | 102.78 | 126.42 | 8.5 | 7.80 | 28.6 | Y | 8,917 |
| 4/13 | 1.27 | 78.02 | 99.09 | 7.9 | 7.88 | 30.6 | Y | 11,746 |
| 4/14 | 1.26 | 77.51 | 97.66 | 8.0 | 7.87 | 30.3 | Y | 11,824 |
| 4/15 | 1.24 | 77.16 | 95.68 | 8.4 | 7.85 | 29.3 | Y | 11,878 |
| 4/16 | 1.26 | 76.83 | 96.81 | 8.8 | 7.92 | 29.4 | Y | 11,929 |
| 4/17 | 1.28 | 75.83 | 97.06 | 9.1 | 7.92 | 28.9 | Y | 12,086 |
| 4/18 | 1.18 | 77.58 | 91.54 | 8.5 | 7.83 | 28.8 | Y | 11,813 |
| 4/19 | 1.21 | 75.28 | 91.09 | 8.8 | 7.92 | 29.3 | Y | 12,174 |
| 4/20 | 1.28 | 76.52 | 97.95 | 8.0 | 7.99 | 31.6 | Y | 11,976 |
| 4/21 | 1.23 | 75.73 | 93.15 | 8.4 | 8.10 | 32.1 | Y | 12,102 |
| 4/22 | 1.27 | 78.21 | 99.33 | 8.9 | 7.90 | 29.0 | Y | 11,718 |
| 4/23 | 1.31 | 78.17 | 102.40 | 9.5 | 8.01 | 29.1 | Y | 11,724 |
| 4/24 | 1.31 | 78.96 | 103.44 | 9.4 | 8.09 | 30.2 | Y | 11,607 |
| 4/25 | 1.19 | 78.36 | 93.25 | 9.5 | 7.83 | 27.1 | Y | 11,695 |
| 4/26 | 1.17 | 102.04 | 119.39 | 10.4 | 7.95 | 26.6 | Y | 8,981 |
| 4/27 | 1.29 | 79.74 | 102.86 | 10.7 | 8.06 | 27.4 | Y | 11,493 |
| 4/28 | 1.25 | 73.95 | 92.44 | 11.3 | 8.15 | 27.1 | Y | 12,393 |
| 4/29 | 1.24 | 77.56 | 96.17 | 11.4 | 8.10 | 26.4 | Y | 11,816 |
| 4/30 | 1.28 | 77.48 | 99.17 | 12.2 | 8.10 | 24.9 | Y | 11,828 |
| | | | | | | | | |

Supervisor's Signature: _____

Bret Bienerth

Print Name: Bret Bienerth

08749

Date: 1 May 23