


OHA - Drinking Water Services - Surface Water Quality Data Form
Slow Sand, Membrane, Diatomaceous Earth Filtration, or Unfiltered Systems

County : **Lane**
 Month/Year : **MAY / 2022**
 WTP- : **WTP - B**

System Name: **Cottage Grove, City of** ID # : **4100236**

| Date | 12 AM [NTU] | 4 AM [NTU] | 8 AM [NTU] | NOON [NTU] | 4 PM [NTU] | 8 PM [NTU] | Highest Reading of the day ¹ [NTU] |
|------|-------------|------------|------------|------------|------------|------------|---|
| 1 | OFF | OFF | 0.018 | 0.015 | 0.015 | 0.017 | 0.023 |
| 2 | OFF | OFF | 0.020 | 0.017 | 0.017 | OFF | 0.020 |
| 3 | OFF | OFF | 0.018 | 0.016 | 0.018 | OFF | 0.018 |
| 4 | OFF | OFF | 0.015 | 0.016 | 0.017 | OFF | 0.019 |
| 5 | OFF | OFF | OFF | 0.015 | 0.015 | OFF | 0.020 |
| 6 | OFF | OFF | 0.012 | 0.016 | 0.018 | OFF | 0.024 |
| 7 | OFF | OFF | 0.016 | 0.015 | 0.015 | 0.017 | 0.022 |
| 8 | OFF | OFF | 0.017 | 0.015 | 0.015 | OFF | 0.018 |
| 9 | OFF | OFF | 0.015 | 0.018 | 0.017 | OFF | 0.019 |
| 10 | OFF | OFF | 0.018 | 0.019 | 0.017 | OFF | 0.019 |
| 11 | OFF | OFF | 0.018 | 0.016 | 0.016 | OFF | 0.018 |
| 12 | OFF | OFF | 0.015 | 0.017 | 0.015 | OFF | 0.020 |
| 13 | OFF | OFF | 0.015 | 0.018 | 0.018 | OFF | 0.019 |
| 14 | OFF | OFF | 0.016 | 0.014 | 0.019 | OFF | 0.019 |
| 15 | OFF | OFF | 0.015 | 0.017 | 0.017 | 0.016 | 0.022 |
| 16 | OFF | OFF | 0.015 | 0.015 | 0.017 | OFF | 0.018 |
| 17 | OFF | OFF | 0.016 | 0.015 | 0.017 | OFF | 0.021 |
| 18 | OFF | OFF | 0.015 | 0.015 | 0.017 | OFF | 0.019 |
| 19 | OFF | OFF | 0.017 | 0.017 | 0.015 | OFF | 0.018 |
| 20 | OFF | OFF | 0.018 | 0.015 | 0.017 | OFF | 0.019 |
| 21 | OFF | OFF | 0.016 | 0.016 | 0.016 | OFF | 0.017 |
| 22 | OFF | OFF | 0.014 | 0.014 | 0.016 | OFF | 0.018 |
| 23 | OFF | OFF | 0.016 | 0.019 | 0.017 | OFF | 0.019 |
| 24 | OFF | OFF | 0.014 | 0.014 | 0.018 | OFF | 0.019 |
| 25 | OFF | OFF | 0.015 | 0.014 | 0.020 | 0.015 | 0.020 |
| 26 | OFF | OFF | 0.019 | 0.015 | 0.016 | 0.016 | 0.019 |
| 27 | OFF | OFF | 0.018 | 0.016 | 0.014 | OFF | 0.018 |
| 28 | OFF | OFF | 0.017 | 0.015 | 0.015 | OFF | 0.018 |
| 29 | OFF | OFF | 0.015 | 0.017 | 0.016 | 0.016 | 0.018 |
| 30 | OFF | OFF | 0.019 | 0.016 | 0.016 | OFF | 0.019 |
| 31 | OFF | OFF | 0.016 | 0.016 | 0.016 | 0.019 | 0.020 |

| | | |
|--|---|---|
| Slow Sand / <u>Membrane</u> / DE Filtration / Unfiltered 95% of daily turbidity readings ≤ 1 NTU? ² <input checked="" type="radio"/> Yes / No All daily turbidity readings ≤ 5 NTU? <input checked="" type="radio"/> Yes / No | Monthly Summary (Answer Yes or No) | |
| | CT's met everyday? (see back) <input checked="" type="radio"/> Yes / No | All Cl2 residual at entry point ≥ 0.2 mg/l? <input checked="" type="radio"/> Yes / No |
| Notes: 99/99= 100% | PRINTED NAME: Ryan Kimball | |
| | SIGNATURE:  | DATE: June 1, 2022 |
| | PHONE #: (541) 942 - 7094 | CERT #: T-882889 |

¹ Including continuous NTU data, if applicable, for optimization recording purposes. Compliance values in columns 12 AM through 8 PM may not correspond to continuous readings' maximum. ² Filtered systems only.

OHA - Drinking Water Services - Surface Water Quality Data Form

WTP - :

WTP - B

System Name: Cottage Grove, City of ID #: 4100236 Month/Year: MAY / 2022

Disinfection *Giardia*
Log Inactivation:

0.5

| Date | Time | Minimum Cl ₂ Residual at 1st User (C) ³ | Contact Time (T) | Actual CT | Temp | pH | Required CT | CT Met? ³ | Peak Hourly ⁴ Demand Flow (Maximum Allowable Equals 3850 GPM) |
|------|------|---|------------------|-----------|-------|------|-------------|----------------------|--|
| | | [ppm or mg/L] | [minutes] | C X T | [° C] | | formula | Yes / No | [GPM] |
| 1 | 1000 | 0.79 | 140 | 111 | 10.6 | 8.07 | 26 | Yes | 962 |
| 2 | 0700 | 0.76 | 140 | 106 | 10.7 | 8.05 | 26 | Yes | 842 |
| 3 | 0700 | 0.79 | 140 | 111 | 10.6 | 8.05 | 26 | Yes | 870 |
| 4 | 0700 | 0.79 | 140 | 111 | 10.7 | 8.05 | 26 | Yes | 865 |
| 5 | 0900 | 0.78 | 140 | 109 | 11.1 | 8.05 | 25 | Yes | 1444 |
| 6 | 0700 | 0.78 | 140 | 109 | 11.1 | 8.04 | 25 | Yes | 853 |
| 7 | 1200 | 0.79 | 140 | 111 | 11.0 | 8.00 | 25 | Yes | 948 |
| 8 | 0900 | 0.78 | 140 | 109 | 10.8 | 8.00 | 25 | Yes | 949 |
| 9 | 0900 | 0.76 | 140 | 106 | 10.7 | 7.97 | 25 | Yes | 873 |
| 10 | 0700 | 0.79 | 140 | 111 | 10.7 | 7.96 | 25 | Yes | 878 |
| 11 | 0700 | 0.77 | 140 | 108 | 10.7 | 7.95 | 25 | Yes | 847 |
| 12 | 1300 | 0.77 | 140 | 108 | 10.9 | 7.93 | 25 | Yes | 1488 |
| 13 | 1300 | 0.78 | 140 | 109 | 10.9 | 7.90 | 24 | Yes | 918 |
| 14 | 1000 | 0.75 | 140 | 105 | 11.1 | 7.89 | 24 | Yes | 993 |
| 15 | 1000 | 0.75 | 140 | 105 | 11.2 | 7.89 | 24 | Yes | 978 |
| 16 | 1200 | 0.75 | 140 | 105 | 11.4 | 7.90 | 23 | Yes | 972 |
| 17 | 1000 | 0.76 | 140 | 106 | 11.4 | 7.89 | 23 | Yes | 1064 |
| 18 | 1200 | 0.73 | 140 | 102 | 11.7 | 7.87 | 23 | Yes | 884 |
| 19 | 0900 | 0.74 | 140 | 104 | 11.7 | 7.85 | 23 | Yes | 1004 |
| 20 | 0900 | 0.74 | 140 | 104 | 11.8 | 7.85 | 22 | Yes | 880 |
| 21 | 1200 | 0.83 | 140 | 116 | 11.9 | 8.03 | 24 | Yes | 1008 |
| 22 | 0900 | 0.76 | 140 | 106 | 11.9 | 7.84 | 22 | Yes | 1184 |
| 23 | 1900 | 0.78 | 140 | 109 | 12.3 | 7.84 | 22 | Yes | 961 |
| 24 | 1200 | 0.78 | 140 | 109 | 12.6 | 7.81 | 21 | Yes | 1111 |
| 25 | 1000 | 0.76 | 140 | 106 | 13.2 | 7.81 | 20 | Yes | 1211 |
| 26 | 0700 | 0.76 | 140 | 106 | 13.9 | 7.83 | 19 | Yes | 1035 |
| 27 | 0700 | 0.73 | 140 | 102 | 13.9 | 7.89 | 20 | Yes | 904 |
| 28 | 0900 | 0.76 | 140 | 106 | 13.5 | 7.90 | 20 | Yes | 963 |
| 29 | 0900 | 0.75 | 140 | 105 | 12.8 | 7.92 | 21 | Yes | 980 |
| 30 | 1000 | 0.77 | 140 | 108 | 12.7 | 7.98 | 22 | Yes | 949 |
| 31 | 0700 | 0.74 | 140 | 104 | 12.6 | 8.02 | 23 | Yes | 1040 |

³ If Cl₂ at entry point < 0.2 mg/l or CT not met, DWS to be notified by end of next business day. "CUSTOM FORM REV OCTOBER 2017"

⁴ If the Peak Hourly Demand Flow exceeds the Maximum Allowable GPM approved value a new Tracer Study is required to be completed.

NOTES: An OHA / DWS Circuit Rider Program approved Tracer Study was completed August 3, 2017 by HECO Engineering.

A Maximum Allowable Peak Hourly Demand Flow of 3500 GPM x 110% = 3850 GPM was approved as a result of the Tracer Study.