

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

System Name: Umpqua Basin Water Assoc ID #: OR4100719A Month/Year: Oct-22

| Day | 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 | 0.011 | 0.011 | 0.011 | 0.012 | 0.012 | 0.011 | 0.012 |
| 2 | 0.012 | OFF | 0.011 | 0.012 | 0.012 | 0.011 | 0.012 |
| 3 | 0.011 | OFF | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 |
| 4 | 0.011 | 0.011 | OFF | 0.012 | 0.012 | 0.012 | 0.012 |
| 5 | 0.012 | 0.012 | 0.012 | 0.012 | OFF | 0.012 | 0.012 |
| 6 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 |
| 7 | 0.012 | 0.012 | OFF | 0.012 | 0.012 | 0.012 | 0.012 |
| 8 | 0.012 | 0.012 | OFF | 0.012 | 0.012 | 0.012 | 0.012 |
| 9 | 0.012 | OFF | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 |
| 10 | 0.012 | 0.012 | OFF | 0.012 | 0.012 | 0.012 | 0.012 |
| 11 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | OFF | 0.012 |
| 12 | 0.012 | OFF | OFF | 0.012 | 0.012 | 0.012 | 0.012 |
| 13 | 0.012 | OFF | 0.013 | 0.012 | 0.012 | 0.012 | 0.013 |
| 14 | 0.012 | 0.012 | OFF | 0.013 | 0.012 | 0.012 | 0.013 |
| 15 | 0.012 | 0.012 | 0.012 | OFF | OFF | 0.012 | 0.012 |
| 16 | 0.012 | 0.012 | OFF | 0.012 | 0.012 | 0.012 | 0.012 |
| 17 | 0.013 | 0.012 | OFF | 0.012 | 0.012 | 0.012 | 0.013 |
| 18 | 0.012 | OFF | OFF | 0.012 | 0.012 | 0.013 | 0.013 |
| 19 | 0.012 | OFF | OFF | OFF | 0.013 | 0.013 | 0.013 |
| 20 | 0.013 | 0.013 | 0.013 | OFF | 0.013 | 0.013 | 0.013 |
| 21 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 |
| 22 | 0.013 | OFF | OFF | 0.012 | 0.012 | 0.012 | 0.013 |
| 23 | OFF | OFF | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 |
| 24 | OFF | OFF | 0.012 | 0.012 | 0.012 | OFF | 0.012 |
| 25 | OFF | OFF | 0.012 | 0.012 | 0.012 | OFF | 0.012 |
| 26 | OFF | OFF | 0.013 | 0.012 | 0.012 | 0.012 | 0.013 |
| 27 | OFF | OFF | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 |
| 28 | OFF | OFF | OFF | 0.012 | 0.012 | 0.012 | 0.012 |
| 29 | 0.012 | OFF | OFF | 0.012 | 0.012 | 0.012 | 0.012 |
| 30 | 0.012 | OFF | 0.013 | 0.012 | OFF | OFF | 0.012 |
| 31 | OFF | OFF | OFF | 0.013 | 0.012 | 0.012 | 0.013 |

| | | | |
|---|--|--|--|
| Slow Sand (Membrane) DE Filtration/ Unfiltered | | Monthly Summary (Answer Yes or No) | |
| 95% of daily turbidity readings ≤ 1 NTU (2) <input checked="" type="checkbox"/> Yes/ No | CT's met everyday? <input checked="" type="checkbox"/> Yes/ No | All CL2 residual at entry point ≥ 0.2 mg/l ? <input checked="" type="checkbox"/> Yes/ No | |
| All daily turbidity readings ≤ 5 NTU <input checked="" type="checkbox"/> Yes/ No | | | |
| Notes: | Printed Name: Caleb Needles | | |
| | Signature: <i>Caleb L Needles</i> | Date: 11/2/2022 | |
| | Phone #: 541-672-5559 | Cert #: T-09378 | |

(1) Including continous turbidity data, if applicable, for optimization recording purposes. Compliance values in columns "12AM" through "8PM" may not correspond to continous readings maximum. (2) Filtered systems only.

| OHA - Drinking Water Program - Surface Water Quality Data Form | | | | | | | | County: Douglas | Month/Year: Oct-22 |
|--|-------|---|------------------------|-----------------|--------|------|---|----------------------|-------------------------------|
| System Name: | | Umpqua Basin Water Assoc | | ID#: OR41 00719 | WTP: A | | Disinfection <i>Giardia</i> Log Inactive: 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 Demand Flow |
| | | [ppm or mg/L] | [minutes] | C X T | [° C] | | formula | Yes / No | [GPM] |
| 1 | 19:00 | 0.91 | 64 | 58 | 17.3 | 7.74 | 15.2 | Yes | 2,220 |
| 2 | 20:12 | 0.93 | 91.5 | 85 | 17.7 | 8.07 | 16.8 | Yes | 1,632 |
| 3 | 18:48 | 0.93 | 73 | 68 | 17.6 | 8.04 | 16.8 | Yes | 1,934 |
| 4 | 12:25 | 0.90 | 91.5 | 82 | 16.3 | 8.01 | 17.9 | Yes | 1,392 |
| 5 | 20:30 | 0.97 | 73 | 71 | 16.1 | 7.89 | 17.5 | Yes | 1,958 |
| 6 | 19:45 | 0.93 | 91.5 | 85 | 16.0 | 7.93 | 17.9 | Yes | 1,527 |
| 7 | 16:03 | 0.98 | 91.5 | 90 | 16.3 | 7.89 | 17.4 | Yes | 1,731 |
| 8 | 11:52 | 1.01 | 64 | 65 | 15.8 | 8.00 | 18.7 | Yes | 2,182 |
| 9 | 15:52 | 1.02 | 91.5 | 93 | 16.2 | 7.91 | 17.6 | Yes | 1,602 |
| 10 | 10:00 | 0.99 | 91.5 | 91 | 15.2 | 8.07 | 19.9 | Yes | 1,606 |
| 11 | 16:19 | 0.92 | 64 | 59 | 15.7 | 7.89 | 17.9 | Yes | 2,193 |
| 12 | 10:02 | 0.98 | 64 | 63 | 14.7 | 7.99 | 20.0 | Yes | 2,221 |
| 13 | 9:52 | 1.00 | 64 | 64 | 14.4 | 8.09 | 21.1 | Yes | 2,172 |
| 14 | 11:44 | 0.99 | 64 | 63 | 14.1 | 7.96 | 20.7 | Yes | 2,210 |
| 15 | 5:25 | 0.96 | 91.5 | 88 | 13.8 | 8.17 | 22.6 | Yes | 1,507 |
| 16 | 17:37 | 0.99 | 91.5 | 91 | 14.2 | 7.89 | 20.0 | Yes | 1,633 |
| 17 | 10:26 | 0.98 | 64 | 63 | 13.2 | 7.95 | 21.7 | Yes | 2,162 |
| 18 | 9:53 | 0.95 | 73 | 69 | 13.3 | 8.12 | 23.0 | Yes | 1,986 |
| 19 | 16:21 | 0.81 | 64 | 52 | 14.0 | 8.05 | 21.0 | Yes | 2,130 |
| 20 | 17:37 | 0.89 | 64 | 57 | 13.7 | 7.84 | 20.1 | Yes | 2,173 |
| 21 | 19:00 | 0.98 | 91.5 | 90 | 13.5 | 7.97 | 21.5 | Yes | 1,618 |
| 22 | 10:00 | 0.94 | 91.5 | 86 | 12.9 | 7.96 | 22.2 | Yes | 1,595 |
| 23 | 14:30 | 0.89 | 64 | 57 | 12.1 | 7.80 | 22.0 | Yes | 2,140 |
| 24 | 7:32 | 0.84 | 91.5 | 77 | 11.6 | 7.90 | 23.4 | Yes | 1,621 |
| 25 | 15:17 | 0.91 | 91.5 | 83 | 11.3 | 7.80 | 23.2 | Yes | 1,541 |
| 26 | 10:38 | 0.89 | 91.5 | 81 | 10.7 | 7.89 | 24.8 | Yes | 1,592 |
| 27 | 12:00 | 0.94 | 91.5 | 86 | 10.3 | 7.87 | 25.4 | Yes | 1,690 |
| 28 | 13:52 | 0.92 | 91.5 | 84 | 10.4 | 7.89 | 25.5 | Yes | 1,580 |
| 29 | 12:10 | 0.91 | 91.5 | 83 | 10.7 | 7.89 | 24.9 | Yes | 1,621 |
| 30 | 9:12 | 0.98 | 91.5 | 89 | 11.1 | 7.93 | 24.7 | Yes | 1,556 |
| 31 | 14:47 | 1.05 | 64 | 67 | 11.2 | 7.80 | 23.8 | Yes | 2,158 |

³ If Cl₂ at entry point < 0.2 mg/l or CT not met, DWP to be notified by end of next business day.



Umpqua Basin Water Association, Inc.
Pressure Decay Tests / Membrane Integrity Tests

System ID #: 41-00719

Month/Year: Oct-22

| Day | Log Removal Value | | | | | | Notes |
|-----|-------------------|-------|------|-------|------|-------|-------|
| | Time | ZW 1 | Time | ZW 2 | Time | ZW 3 | |
| 1 | 7:45 | 4.239 | 8:45 | 4.845 | 9:15 | 4.360 | |
| 2 | 8:15 | 4.231 | 8:45 | 4.845 | 9:15 | 4.363 | |
| 3 | 8:15 | 4.228 | 8:45 | 4.845 | 9:15 | 4.364 | |
| 4 | 8:15 | 4.233 | 8:45 | 4.845 | 9:15 | 4.368 | |
| 5 | 8:15 | 4.237 | 8:45 | 4.845 | 9:15 | 4.356 | |
| 6 | 8:15 | 4.234 | 8:45 | 4.845 | 9:15 | 4.368 | |
| 7 | 8:15 | 4.229 | 8:45 | 4.845 | 9:15 | 4.349 | |
| 8 | 8:15 | 4.217 | 8:45 | 4.845 | 9:15 | 4.351 | |
| 9 | 8:15 | 4.218 | 8:45 | 4.845 | 9:15 | 4.334 | |
| 10 | 8:15 | 4.225 | 8:45 | 4.845 | 9:15 | 4.327 | |
| 11 | 8:15 | 4.207 | 8:45 | 4.845 | 9:15 | 4.330 | |
| 12 | 8:15 | 4.239 | 8:45 | 4.845 | 9:15 | 4.342 | |
| 13 | 8:15 | 4.228 | 8:45 | 4.845 | 9:15 | 4.332 | |
| 14 | 8:15 | 4.223 | 8:45 | 4.845 | 9:15 | 4.341 | |
| 15 | 8:15 | 4.231 | 8:45 | 4.845 | 9:15 | 4.343 | |
| 16 | 8:15 | 4.248 | 8:45 | 4.845 | 9:15 | 4.332 | |
| 17 | 8:15 | 4.212 | 8:45 | 4.845 | 9:15 | 4.352 | |
| 18 | 8:15 | 4.225 | 8:45 | 4.845 | 9:15 | 4.348 | |
| 19 | 8:15 | 4.214 | 8:45 | 4.845 | 9:15 | 4.341 | |
| 20 | 8:15 | 4.236 | 8:45 | 4.845 | 9:15 | 4.335 | |
| 21 | 8:15 | 4.215 | 8:45 | 4.845 | 9:15 | 4.330 | |
| 22 | 8:15 | 4.230 | 8:45 | 4.845 | 9:15 | 4.338 | |
| 23 | 8:15 | 4.216 | 8:45 | 4.845 | 9:15 | 4.333 | |
| 24 | 8:15 | 4.227 | 8:45 | 4.845 | 9:15 | 4.342 | |
| 25 | 8:15 | 4.214 | 8:45 | 4.845 | 9:15 | 4.342 | |
| 26 | 8:15 | 4.211 | 8:45 | 4.845 | 9:15 | 4.353 | |
| 27 | 8:15 | 4.235 | 8:45 | 4.845 | 9:15 | 4.360 | |
| 28 | 8:15 | 4.239 | 8:45 | 4.845 | 9:15 | 4.387 | |
| 29 | 8:15 | 4.203 | 8:45 | 4.845 | 9:15 | 4.385 | |
| 30 | 8:15 | 4.203 | 8:45 | 4.845 | 9:15 | 4.360 | |
| 31 | 8:15 | 4.205 | 8:45 | 4.845 | 9:15 | 4.349 | |

NIS = NOT IN SERVICE