# Membrane Filter Monthly Operating Report

County: **Deschutes**

System Name: **City of Bend**

Month/Year: **January 2025**

PWS ID#: 41 - **00100**

Minimum test pressure applied || req'd: 32 psi || 27 psi

Plant ID: WTP - **A** *(e.g., "A")*

*DIT = Direct Integrity Test on filter(s) [Yes, No, or "off" if all filters are offline]*

*PDR = Pressure Decay Rate*

*LRC = Log Removal Credit*

| PDR Max[psi/min] | LRC [log removal] | DIT Daily |
|---|---|---|
| **0.21** | **4.00** | |

| Day | CFE Daily Turbidity [NTU] | Highest CFE [NTU] | Highest IFE [NTU] (>15 min duration) | Highest PDR of day [psi/min] | Lowest LRVambient of day [log removal] | [Y/N] or "off" |
|---|---|---|---|---|---|---|
| 1 | 0.0127 | 0.0129 | 0.0134 | 0.0538 | | Y |
| 2 | 0.0127 | 0.0173 | 0.0141 | 0.0524 | | Y |
| 3 | 0.0127 | 0.0129 | 0.0136 | 0.0516 | | Y |
| 4 | 0.0127 | 0.0127 | 0.0132 | 0.0524 | | Y |
| 5 | 0.0127 | 0.013 | 0.0134 | 0.0524 | | Y |
| 6 | 0.0127 | 0.0142 | 0.0133 | 0.0504 | | Y |
| 7 | 0.0127 | 0.0129 | 0.0133 | 0.0506 | | Y |
| 8 | 0.0128 | 0.0159 | 0.0135 | 0.0442 | | Y |
| 9 | 0.0128 | 0.016 | 0.0137 | 0.0518 | | Y |
| 10 | 0.0128 | 0.0133 | 0.0135 | 0.0498 | | Y |
| 11 | 0.0128 | 0.0131 | 0.0138 | 0.0494 | | Y |
| 12 | 0.0128 | 0.0129 | 0.0136 | 0.0482 | | Y |
| 13 | 0.0128 | 0.0132 | 0.0139 | 0.046 | | Y |
| 14 | 0.0128 | 0.0139 | 0.0138 | 0.05 | | Y |
| 15 | 0.0128 | 0.0148 | 0.0139 | 0.0474 | | Y |
| 16 | 0.0128 | 0.0131 | 0.0144 | 0.048 | | Y |
| 17 | 0.0128 | 0.013 | 0.0135 | 0.0474 | | Y |
| 18 | 0.0128 | 0.013 | 0.0136 | 0.0512 | | Y |
| 19 | 0.0128 | 0.013 | 0.0135 | 0.051 | | Y |
| 20 | 0.0129 | 0.0138 | 0.0135 | 0.0498 | | Y |
| 21 | 0.0128 | 0.013 | 0.0137 | 0.0524 | | Y |
| 22 | 0.0128 | 0.0129 | 0.0137 | 0.0512 | | Y |
| 23 | 0.0129 | 0.0156 | 0.0137 | 0.0518 | | Y |
| 24 | 0.0128 | 0.0129 | 0.0134 | 0.0512 | | Y |
| 25 | 0.0128 | 0.013 | 0.0138 | 0.0522 | | Y |
| 26 | 0.0128 | 0.0129 | 0.0135 | 0.0704 | | Y |
| 27 | 0.0129 | 0.0167 | 0.015 | 0.0544 | | Y |
| 28 | 0.0146 | 0.016 | 0.0136 | 0.054 | | Y |
| 29 | 0.0153 | 0.0169 | 0.0174 | 0.0506 | | Y |
| 30 | 0.0152 | 0.0155 | 0.0134 | 0.0524 | | Y |
| 31 | 0.0152 | 0.0154 | 0.0136 | 0.0506 | | Y |

## Compliance summary (operator to complete any blank fields)

| 95% of daily turbidity readings ≤ 1 NTU? [Y/N] | All turbidity readings ≤ 5 NTU? [Y/N] | All IFE turbidity readings ≤ 0.15 NTU? [Y/N] | Performance std met? [Y/N] (PDR ≤ PDRMax, LRV ≥ LRC) | DIT Daily? |
|---|---|---|---|---|
| Y | Y | Y | | Y |
| **CT's met daily? (p. 2)** | **All Cl2 residual at EP ≥ 0.2 mg/L?** | **PDR < PDRMax?** | **LRVambient > LRC?** | |
| Y | Y | Y | | |

**PRINTED NAME:** **Rod Mingus** **DATE:** 02/05/25

**SIGNATURE:** Rod Mingus **WT CERT #:** T-08557

**Notes:** **PHONE #:** 541-693-2180

## Disinfection Monthly Operating Report

System Name: **Bend Water Department**

PWS ID#: 41 - **00100**

Plant ID : WTP - **A**

| | |
|---|---|
| **0.5** | Log Inactivation Required via Disinfection |

| Day | Minimum Cl2 Residual at 1st User ( C ) ♦ [mg/L = ppm] | Contact Time (T) [minutes] | Actual CT C x T (Formula) | Temp [° C] | pH | Required CT (Formula) | CT Met? ♦ [Yes / No] (Formula) | Peak Hourly Demand Flow CT [GPM] | Peak Hourly Demand Flow OB1 [GPM] |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.13 | 510 | 576 | 3.54 | 7.68 | 39 | Y | 4,209 | 5,336 |
| 2 | 1.11 | 411 | 456 | 4.17 | 7.67 | 37 | Y | 4,914 | 6,142 |
| 3 | 1 | 413 | 413 | 4.36 | 7.6 | 35 | Y | 4,954 | 6,094 |
| 4 | 1 | 484 | 484 | 4.16 | 7.59 | 35 | Y | 4,434 | 5,322 |
| 5 | 1.15 | 393 | 452 | 4.27 | 7.62 | 36 | Y | 5,118 | 6,336 |
| 6 | 1.09 | 537 | 585 | 4.39 | 7.62 | 35 | Y | 4,211 | 4,579 |
| 7 | 0.99 | 445 | 441 | 4.46 | 7.66 | 35 | Y | 4,818 | 5,704 |
| 8 | 1.07 | 444 | 475 | 4.01 | 7.65 | 37 | Y | 4,507 | 5,955 |
| 9 | 1.07 | 448 | 479 | 4.45 | 7.65 | 36 | Y | 4,845 | 5,634 |
| 10 | 1.1 | 398 | 437 | 4.39 | 7.64 | 36 | Y | 4,861 | 6,637 |
| 11 | 1.1 | 465 | 511 | 4.48 | 7.66 | 36 | Y | 4,487 | 5,411 |
| 12 | 1.12 | 480 | 538 | 3.99 | 7.67 | 37 | Y | 4,462 | 5,306 |
| 13 | 1.08 | 458 | 494 | 4.18 | 7.66 | 36 | Y | 4,578 | 5,487 |
| 14 | 1.08 | 494 | 534 | 4.03 | 7.65 | 37 | Y | 4,369 | 5,213 |
| 15 | 1.08 | 416 | 449 | 4.32 | 7.64 | 36 | Y | 5,065 | 5,997 |
| 16 | 1.07 | 499 | 534 | 4.59 | 7.65 | 35 | Y | 4,325 | 5,235 |
| 17 | 1.08 | 428 | 462 | 4.42 | 7.66 | 36 | Y | 4,820 | 5,879 |
| 18 | 1.09 | 502 | 547 | 3.96 | 7.66 | 37 | Y | 4,304 | 5,170 |
| 19 | 1.15 | 515 | 592 | 3.31 | 7.66 | 39 | Y | 4,162 | 5,206 |
| 20 | 1.14 | 425 | 485 | 3.58 | 7.66 | 38 | Y | 4,902 | 6,031 |
| 21 | 1.12 | 495 | 554 | 3.3 | 7.66 | 39 | Y | 4,383 | 5,232 |
| 22 | 1.1 | 480 | 528 | 4.08 | 7.66 | 37 | Y | 4,517 | 5,210 |
| 23 | 1.13 | 460 | 520 | 3.86 | 7.68 | 38 | Y | 4,653 | 5,355 |
| 24 | 1.13 | 489 | 553 | 4.19 | 7.66 | 37 | Y | 4,382 | 5,255 |
| 25 | 1.15 | 427 | 491 | 3.75 | 7.67 | 38 | Y | 4,688 | 6,071 |
| 26 | 1.17 | 470 | 550 | 3.31 | 7.66 | 39 | Y | 4,578 | 5,363 |
| 27 | 1.19 | 480 | 571 | 3.37 | 7.62 | 38 | Y | 4,393 | 5,236 |
| 28 | 1.19 | 428 | 509 | 3.24 | 7.62 | 39 | Y | 4,806 | 6,030 |
| 29 | 1.24 | 444 | 551 | 4.01 | 7.57 | 36 | Y | 4,824 | 5,502 |
| 30 | 1.2 | 404 | 485 | 4.24 | 7.6 | 36 | Y | 5,068 | 6,113 |
| 31 | 1.19 | 490 | 583 | 4.29 | 7.6 | 36 | Y | 4,318 | 5,173 |

- ♦ If chlorine concentration at entry point < 0.2 mg/l, or CT not met, notify DWS within 24 hours.

**Submit this monthly report by the 10th of following month by**


**mail:** PO Box 14350
Portland, OR 97293-0350

**email:** dwp.dmce@odhsoha.oregon.gov

**fax:** 971-673-0458