

# OHA - DWS

## Membrane Filter Monthly Operating Report

County: **Marion**

System Name: **Gates, City of**

Month/Year: **Jul-2024**

PWS ID#: 41 - **00317**

Minimum test pressure applied || req'd: \_\_\_\_\_ psi || \_\_\_\_\_ 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

| Day | CFE Daily Turbidity [NTU] | Highest CFE* [NTU] | Highest IFE [NTU] (>15 min duration) | Highest PDR of day [ <sup>psi</sup> /min] | Lowest LRV <sub>ambient</sub> of day [log removal] | DIT Daily      |
|-----|---------------------------|--------------------|--------------------------------------|---|--|----------------|
|     |                           |                    |                                      |   |  | [Y/N] or "off" |
|     |                           |                    |                                      |   | 4.00   |                |
| 1   | 0.030                     |                    |                                      |   |  | Y              |
| 2   |                           |                    |                                      |   |  | Off            |
| 3   | 0.030                     |                    |                                      |   |  | Y              |
| 4   |                           |                    |                                      |   |  | Off            |
| 5   | 0.030                     |                    |                                      |   |  | Y              |
| 6   |                           |                    |                                      |   |  | Off            |
| 7   | 0.030                     |                    |                                      |   |  | Y              |
| 8   | 0.030                     |                    |                                      |   |  | Y              |
| 9   | 0.030                     |                    |                                      |   |  | Y              |
| 10  | 0.030                     |                    |                                      |   |  | Y              |
| 11  | 0.030                     |                    |                                      |   |  | Y              |
| 12  | 0.030                     |                    |                                      |   |  | Y              |
| 13  |                           |                    |                                      |   |  | Off            |
| 14  | 0.030                     |                    |                                      |   |  | Y              |
| 15  | 0.030                     |                    |                                      |   |  | Y              |
| 16  | 0.031                     |                    |                                      |   |  | Y              |
| 17  |                           |                    |                                      |   |  | Off            |
| 18  | 0.029                     |                    |                                      |   |  | Y              |
| 19  | 0.030                     |                    |                                      |   |  | Y              |
| 20  | 0.030                     |                    |                                      |   |  | Y              |
| 21  | 0.030                     |                    |                                      |   |  | Y              |
| 22  | 0.029                     |                    |                                      |   |  | Y              |
| 23  |                           |                    |                                      |   |  | Off            |
| 24  | 0.031                     |                    |                                      |   |  | Y              |
| 25  |                           |                    |                                      |   |  | Off            |
| 26  | 0.034                     |                    |                                      |   |  | Y              |
| 27  |                           |                    |                                      |   |  | Off            |
| 28  | 0.030                     |                    |                                      |   |  | Y              |
| 29  | 0.030                     |                    |                                      |   |  | Y              |
| 30  | 0.030                     |                    |                                      |   |  | Y              |
| 31  |                           |                    |                                      |   |  | Off            |

**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 ≤ PDR <sub>Max</sub> , LRV ≥ LRC) | DIT Daily? |
| Yes  | Yes  |  |   | Yes        |
| CT's met daily? (p. 2)                         | All Cl <sub>2</sub> residual at EP ≥ 0.2 mg/L? | PDR ≤ PDR <sub>Max</sub> ?                   | LRV <sub>ambient</sub> ≥ LRC?                                     |            |
| Yes  | Yes  |  |   |            |

PRINTED NAME: **Gregory R Benthin**      DATE: **8/6/2024**  
 SIGNATURE: *Gregory R Benthin*      WT CERT #: **5244**  
 Notes:      PHONE #: **503-897-2669**

♣ Used for optimization purposes only.

**Disinfection Monthly Operating Report**

System Name: **Gates, City of**

PWS ID#: 41 - **00317**

Plant ID : WTP - **A**

**0.5**

↳ Log  
Inactivation  
Required via  
Disinfection

| Day | Minimum Cl <sub>2</sub> Residual at 1 <sup>st</sup> 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 [GPM] | Notes (e.g. "Plant Off") |
|-----|---|----------------------------|---------------------------|------------|------|-----------------------|--------------------------------|-------------------------------|--------------------------|
| 1   | 1.140   | 120                        | 136.8                     | 20.6       | 8.67 | 17.7                  | YES                            | 210                           | 3:05 PM                  |
| 2   |   |                            |                           |            |      |                       |                                |                               | Plant Off                |
| 3   | 1.170   | 120                        | 140.4                     | 21.7       | 8.67 | 16.5                  | YES                            | 210                           | 4:15 pm                  |
| 4   |   |                            |                           |            |      |                       |                                |                               | Plant Off                |
| 5   | 1.050   | 120                        | 126.0                     | 22.0       | 8.75 | 16.4                  | YES                            | 210                           | 1:25 PM                  |
| 6   |   |                            |                           |            |      |                       |                                |                               | Plant Off                |
| 7   | 2.860   | 120                        | 343.2                     | 17.4       | 8.46 | 24.6                  | YES                            | 210                           | 12:10 PM                 |
| 8   | 2.620   | 120                        | 314.4                     | 5.0        | 8.60 | 58.6                  | YES                            | 210                           | 12:45 AM                 |
| 9   | 3.840   | 120                        | 460.8                     | 24.1       | 8.49 | 17.8                  | YES                            | 210                           | 4:30 PM                  |
| 10  | 3.200   | 120                        | 384.0                     | 5.0        | 8.44 | 59.2                  | YES                            | 210                           | 4:00 AM                  |
| 11  | 3.880   | 120                        | 465.6                     | 20.0       | 8.47 | 23.3                  | YES                            | 210                           | 2:30 PM                  |
| 12  | 3.550   | 120                        | 426.0                     | 19.7       | 7.98 | 19.1                  | YES                            | 210                           | 4:00 PM                  |
| 13  |   |                            |                           |            |      |                       |                                |                               | Plant Off                |
| 14  | 3.140   | 120                        | 376.8                     | 18.7       | 8.35 | 22.4                  | YES                            | 210                           | 1:00 PM                  |
| 15  | 3.210   | 120                        | 385.2                     | 23.8       | 8.08 | 14.5                  | YES                            | 210                           | 1:15 PM                  |
| 16  | 2.610   | 120                        | 313.2                     | 23.3       | 8.37 | 15.6                  | YES                            | 210                           | 2:10 PM                  |
| 17  |   |                            |                           |            |      |                       |                                |                               | Plant Off                |
| 18  | 3.030   | 120                        | 363.6                     | 23.6       | 8.20 | 15.1                  | YES                            | 210                           | 4:15 PM                  |
| 19  | 2.910   | 120                        | 349.2                     | 5.0        | 7.99 | 48.3                  | YES                            | 210                           | 1:45 AM                  |
| 20  | 2.740   | 120                        | 328.8                     | 21.3       | 8.16 | 16.8                  | YES                            | 210                           | 1:00 PM                  |
| 21  | 3.430   | 120                        | 411.6                     | 5.0        | 7.91 | 49.9                  | YES                            | 210                           | 1:00 AM                  |
| 22  | 2.890   | 120                        | 346.8                     | 18.1       | 8.19 | 21.3                  | YES                            | 210                           | 1:25 PM                  |
| 23  |   |                            |                           |            |      |                       |                                |                               | Plant Off                |
| 24  | 2.830   | 120                        | 339.6                     | 22.7       | 8.15 | 15.4                  | YES                            | 210                           | 2:35 PM                  |
| 25  |   |                            |                           |            |      |                       |                                |                               | Plant Off                |
| 26  | 2.900   | 120                        | 348.0                     | 22.4       | 8.06 | 15.3                  | YES                            | 210                           | 3:30 PM                  |
| 27  |   |                            |                           |            |      |                       |                                |                               | Plant Off                |
| 28  | 3.100   | 120                        | 372.0                     | 5.0        | 7.87 | 47.2                  | YES                            | 210                           | 12:15 PM                 |
| 29  | 3.100   | 120                        | 372.0                     | 19.1       | 7.93 | 18.6                  | YES                            | 210                           | 4:30 PM                  |
| 30  | 2.900   | 120                        | 348.0                     | 21.0       | 8.06 | 16.8                  | YES                            | 210                           | 4:00 PM                  |
| 31  |   |                            |                           |            |      |                       |                                |                               | Plant Off                |

\* 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 10<sup>th</sup> of following month by**

mail: Drinking Water Services  
PO Box 14350  
Portland, OR 97293-0350  
email: [dwp.dmce@odhsoha.oregon.gov](mailto:dwp.dmce@odhsoha.oregon.gov)  
fax: 971-673-0458