

# OHA - DWS

## Membrane Filter Monthly Operating Report

County: **Polk**

System Name: **Buell Red Prairie Water Dist.**

Month/Year: **Apr-2025**

PWS ID#: 41 - **01174**

Minimum test pressure **applied**: **20** psi

Plant ID: WTP - **A**

Minimum test pressure **req'd**: **18.23** psi

(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<sub>Max</sub> [<sup>psi</sup>/min]

LRC [log removal]

**0.040**

**4.00**

**DIT  
Daily**

| Day | CFE Daily Turbidity [NTU] | Highest CFE* [NTU] | Highest IFE [NTU] | Highest PDR of day [ <sup>psi</sup> /min] | Lowest LRV <sub>ambient</sub> of day [log removal] | [Y/N] or "off" |
|-----|---------------------------|--------------------|-------------------|-------------------------------------------|----------------------------------------------------|----------------|
| 1   | 0.023                     | 0.03               | 0.033             | 0.02                                      | 4.48                                               | Y              |
| 2   | 0.023                     | 0.028              | 0.033             | 0.02                                      | 4.46                                               | Y              |
| 3   | 0.024                     | 0.029              | 0.034             | 0.03                                      | 4.28                                               | Y              |
| 4   | 0.023                     | 0.027              | 0.033             | 0.04                                      | 4.31                                               | Y              |
| 5   | 0.024                     | 0.032              | 0.034             | 0.02                                      | 4.55                                               | Y              |
| 6   | 0.025                     | 0.028              | 0.032             | 0.02                                      | 4.52                                               | Y              |
| 7   | 0.026                     | 0.028              | 0.036             | 0.02                                      | 4.43                                               | Y              |
| 8   | 0.025                     | 0.033              | 0.033             | 0.02                                      | 4.52                                               | Y              |
| 9   | 0.025                     | 0.029              | 0.033             | 0.02                                      | 4.33                                               | Y              |
| 10  | 0.026                     | 0.033              | 0.033             | 0.03                                      | 4.35                                               | Y              |
| 11  | 0.027                     | 0.033              | 0.032             | 0.02                                      | 4.46                                               | Y              |
| 12  | 0.032                     | 0.035              | 0.033             | 0.03                                      | 4.28                                               | Y              |
| 13  | 0.031                     | 0.068              | 0.038             | 0.04                                      | 4.33                                               | Y              |
| 14  | 0.032                     | 0.073              | 0.042             | 0.03                                      | 4.25                                               | Y              |
| 15  | 0.032                     | 0.071              | 0.053             | 0.02                                      | 4.36                                               | Y              |
| 16  | 0.035                     | 0.069              | 0.048             | 0.02                                      | 4.52                                               | Y              |
| 17  | 0.021                     | 0.034              | 0.031             | 0.02                                      | 4.68                                               | Y              |
| 18  | 0.018                     | 0.028              | 0.033             | 0.02                                      | 4.41                                               | Y              |
| 19  | 0.020                     | 0.027              | 0.033             | 0.02                                      | 4.46                                               | Y              |
| 20  | 0.020                     | 0.031              | 0.032             | 0.02                                      | 4.55                                               | Y              |
| 21  | 0.022                     | 0.033              | 0.032             | 0.02                                      | 4.39                                               | Y              |
| 22  | 0.023                     | 0.03               | 0.034             | 0.02                                      | 4.49                                               | Y              |
| 23  | 0.025                     | 0.038              | 0.033             | 0.02                                      | 4.52                                               | Y              |
| 24  | 0.026                     | 0.035              | 0.034             | 0.01                                      | 4.69                                               | Y              |
| 25  | 0.028                     | 0.032              | 0.037             | 0.01                                      | 4.48                                               | Y              |
| 26  | 0.027                     | 0.035              | 0.040             | 0.01                                      | 4.42                                               | Y              |
| 27  | 0.029                     | 0.041              | 0.044             | 0.01                                      | 4.45                                               | Y              |
| 28  | 0.033                     | 0.052              | 0.043             | 0.01                                      | 4.64                                               | Y              |
| 29  | 0.032                     | 0.043              | 0.038             | 0.02                                      | 4.62                                               | Y              |
| 30  | 0.032                     | 0.04               | 0.038             | 0.02                                      | 4.52                                               | Y              |
| 31  | N/A                       | N/A                | N/A               | N/A                                       | N/A                                                | N/A            |

|                                                |                                                |                                              |                                                                      |            |
|------------------------------------------------|------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------|------------|
| 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]<br>(PDR ≤ PDR <sub>Max</sub> , LRV ≥ LRC) | DIT Daily? |
| <b>Yes</b>                                     | <b>Yes</b>                                     | <b>Yes</b>                                   | <b>Yes</b>                                                           | <b>Yes</b> |
| 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?                                        |            |
| <b>Yes</b>                                     | <b>Yes</b>                                     | <b>Yes</b>                                   | <b>Yes</b>                                                           |            |

PRINTED NAME: **Darrel Lockard**

DATE: **5/5/2025**

SIGNATURE: *Darrel Lockard*

WT CERT #: **2853**

Notes:

PHONE #:

**(541) 222-9997**

**Disinfection Monthly Operating Report**System Name: **Buell Red Prairie Water Dist.**PWS ID#: 41 - **01174**Plant ID : WTP - **A****0.5**Log  
Inactivation  
Required via  
Disinfection

| Day | Minimum Cl <sub>2</sub><br>Residual at 1 <sup>st</sup><br>User ( C ) *<br>[mg/L = ppm] | Contact<br>Time<br>(T)<br>[minutes] | Actual CT<br>C x T<br>(Formula) | Temp<br>[° C] | pH   | Required<br>CT<br>(Formula) | CT Met? *<br>[Yes / No]<br>(Formula) | Peak Hourly<br>Demand Flow<br>[GPM] | Notes<br>(e.g. "Plant<br>Off") |
|-----|----------------------------------------------------------------------------------------|-------------------------------------|---------------------------------|---------------|------|-----------------------------|--------------------------------------|-------------------------------------|--------------------------------|
| 1   | 1.150                                                                                  | 60                                  | 69.0                            | 13.0          | 7.00 | 15.8                        | YES                                  | 110                                 |                                |
| 2   | 1.230                                                                                  | 60                                  | 73.8                            | 14.0          | 7.00 | 14.9                        | YES                                  | 110                                 |                                |
| 3   | 1.210                                                                                  | 60                                  | 72.6                            | 14.0          | 7.00 | 14.9                        | YES                                  | 110                                 |                                |
| 4   | 1.170                                                                                  | 60                                  | 70.2                            | 15.0          | 7.00 | 13.9                        | YES                                  | 110                                 |                                |
| 5   | 1.150                                                                                  | 60                                  | 69.0                            | 14.0          | 7.00 | 14.8                        | YES                                  | 110                                 |                                |
| 6   | 1.060                                                                                  | 60                                  | 63.6                            | 15.0          | 7.00 | 13.7                        | YES                                  | 110                                 |                                |
| 7   | 1.020                                                                                  | 60                                  | 61.2                            | 14.0          | 7.00 | 14.6                        | YES                                  | 110                                 |                                |
| 8   | 1.120                                                                                  | 60                                  | 67.2                            | 14.0          | 7.00 | 14.8                        | YES                                  | 110                                 |                                |
| 9   | 1.150                                                                                  | 60                                  | 69.0                            | 14.0          | 7.00 | 14.8                        | YES                                  | 110                                 |                                |
| 10  | 1.230                                                                                  | 60                                  | 73.8                            | 13.0          | 7.00 | 16.0                        | YES                                  | 110                                 |                                |
| 11  | 1.200                                                                                  | 60                                  | 72.0                            | 15.0          | 7.00 | 13.9                        | YES                                  | 110                                 |                                |
| 12  | 1.130                                                                                  | 60                                  | 67.8                            | 14.0          | 7.00 | 14.8                        | YES                                  | 110                                 |                                |
| 13  | 1.080                                                                                  | 60                                  | 64.8                            | 13.0          | 7.00 | 15.7                        | YES                                  | 110                                 |                                |
| 14  | 1.030                                                                                  | 60                                  | 61.8                            | 12.0          | 7.00 | 17.0                        | YES                                  | 110                                 |                                |
| 15  | 1.070                                                                                  | 60                                  | 64.2                            | 12.0          | 7.00 | 17.1                        | YES                                  | 110                                 |                                |
| 16  | 1.110                                                                                  | 60                                  | 66.6                            | 14.0          | 7.00 | 14.7                        | YES                                  | 110                                 |                                |
| 17  | 1.200                                                                                  | 60                                  | 72.0                            | 14.0          | 7.00 | 14.9                        | YES                                  | 110                                 |                                |
| 18  | 1.190                                                                                  | 60                                  | 71.4                            | 14.0          | 7.00 | 14.9                        | YES                                  | 110                                 |                                |
| 19  | 1.240                                                                                  | 60                                  | 74.4                            | 13.0          | 7.00 | 16.0                        | YES                                  | 110                                 |                                |
| 20  | 1.270                                                                                  | 60                                  | 76.2                            | 12.0          | 7.00 | 17.5                        | YES                                  | 110                                 |                                |
| 21  | 1.360                                                                                  | 60                                  | 81.6                            | 11.0          | 7.00 | 18.8                        | YES                                  | 110                                 |                                |
| 22  | 1.120                                                                                  | 60                                  | 67.2                            | 15.0          | 7.00 | 13.8                        | YES                                  | 110                                 |                                |
| 23  | 1.230                                                                                  | 60                                  | 73.8                            | 15.0          | 7.00 | 14.0                        | YES                                  | 110                                 |                                |
| 24  | 1.040                                                                                  | 60                                  | 62.4                            | 15.0          | 7.00 | 13.7                        | YES                                  | 110                                 |                                |
| 25  | 1.060                                                                                  | 60                                  | 63.6                            | 16.0          | 7.00 | 12.8                        | YES                                  | 110                                 |                                |
| 26  | 1.040                                                                                  | 60                                  | 62.4                            | 15.0          | 7.00 | 13.7                        | YES                                  | 110                                 |                                |
| 27  | 1.160                                                                                  | 60                                  | 69.6                            | 18.0          | 7.00 | 11.3                        | YES                                  | 110                                 |                                |
| 28  | 1.120                                                                                  | 60                                  | 67.2                            | 16.0          | 7.00 | 12.9                        | YES                                  | 110                                 |                                |
| 29  | 1.080                                                                                  | 60                                  | 64.8                            | 15.0          | 7.00 | 13.7                        | YES                                  | 110                                 |                                |
| 30  | 1.090                                                                                  | 60                                  | 65.4                            | 16.0          | 7.00 | 12.9                        | YES                                  | 110                                 |                                |
| 31  | Off                                                                                    | Off                                 | #VALUE!                         | Off           | Off  | #VALUE!                     | #VALUE!                              | Off                                 |                                |

\* If chlorine concentration at entry point &lt; 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

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