

OHA - DWS

Membrane Filter Monthly Operating Report

County: **Polk**

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

Month/Year: **Jul-2024**

PWS ID#: 41 - **01174**

Minimum test pressure **applied**: **18.21** psi

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

Minimum test pressure **req'd**: **17.24** psi

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

PDR = Pressure Decay Rate

PDR_{Max} [^{psi}/min]

LRC [log removal]

DIT Daily

LRC = Log Removal Credit

0.040

4.00

Day	CFE Daily Turbidity [NTU]	Highest CFE* [NTU]	Highest IFE [NTU]	Highest PDR of day [^{psi} /min]	Lowest LRV _{ambient} of day [log removal]	[Y/N] or "off"
1	0.028	0.033	0.031	0.03	4.26	Y
2	0.026	0.033	0.028	0.02	4.33	Y
3	0.026	0.03	0.028	0.04	4.18	Y
4	0.025	0.047	0.028	0.03	4.24	Y
5	0.028	0.042	0.029	0.03	4.21	Y
6	0.028	0.031	0.039	0.02	4.33	Y
7	0.027	0.035	0.041	0.03	4.35	Y
8	0.029	0.034	0.039	0.02	4.52	Y
9	0.028	0.035	0.039	0.02	4.43	Y
10	0.025	0.031	0.039	0.04	4.31	Y
11	0.027	0.032	0.037	0.02	4.55	Y
12	0.027	0.033	0.035	0.02	4.84	Y
13	0.030	0.046	0.033	0.01	4.82	Y
14	0.029	0.043	0.038	0.02	4.52	Y
15	0.028	0.033	0.038	0.02	4.43	Y
16	0.026	0.033	0.034	0.04	4.31	Y
17	0.026	0.03	0.035	0.02	4.55	Y
18	0.027	0.073	0.037	0.02	4.84	Y
19	0.027	0.076	0.043	0.01	4.82	Y
20	0.025	0.065	0.047	0.02	4.43	Y
21	0.024	0.042	0.071	0.03	4.28	Y
22	0.026	0.058	0.036	0.02	4.46	Y
23	0.028	0.032	0.042	0.01	4.33	Y
24	0.028	0.036	0.038	0.02	4.48	Y
25	0.030	0.041	0.032	0.02	4.84	Y
26	0.028	0.035	0.036	0.02	4.43	Y
27	0.025	0.034	0.031	0.03	4.28	Y
28	0.025	0.03	0.028	0.02	4.46	Y
29	0.020	0.033	0.032	0.01	4.33	Y
30	0.024	0.031	0.026	0.02	4.48	Y
31	0.026	0.043	0.028	0.02	4.84	Y

Y

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 _{Max} , LRV ≥ LRC)	DIT Daily?
Yes	Yes	Yes	Yes	Yes

CT's met daily? (p. 2)	All Cl ₂ residual at EP ≥ 0.2 mg/L?	PDR ≤ PDR _{Max} ?	LRV _{ambient} ≥ LRC?
Yes	Yes	Yes	Yes

PRINTED NAME: Darrel Lockard **DATE:** 8/8/2024
SIGNATURE: *Darrel Lockard* **WT CERT #: 2853**
Notes: **PHONE #:** (541) 222-9997

* Used for optimization purposes only.

OHA-DWS

Disinfection Monthly Operating Report

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

PWS ID#: 41 - **01174**

Plant ID : WTP - _____

0.5

↳ Log
Inactivation
Required via
Disinfection

Day	Minimum Cl ₂ Residual at 1 st 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	1.120	60	67.2	24.0	7.00	7.5	YES	110	
2	0.970	60	58.2	24.0	7.00	7.4	YES	110	
3	0.950	60	57.0	25.0	7.00	6.9	YES	110	
4	0.810	60	48.6	24.0	7.00	7.2	YES	110	
5	0.880	60	52.8	25.0	7.00	6.8	YES	110	
6	0.940	60	56.4	26.0	7.00	6.4	YES	110	
7	0.980	60	58.8	28.0	7.00	5.6	YES	110	
8	1.050	60	63.0	26.0	7.00	6.5	YES	110	
9	1.050	60	63.0	26.0	7.00	6.5	YES	110	
10	1.030	60	61.8	23.0	7.00	8.0	YES	110	
11	0.980	60	58.8	25.0	7.00	6.9	YES	110	
12	1.110	60	66.6	25.0	7.00	7.0	YES	110	
13	1.000	60	60.0	26.0	7.00	6.5	YES	110	
14	1.080	60	64.8	25.0	7.00	7.0	YES	110	
15	0.890	60	53.4	27.0	7.00	5.9	YES	110	
16	0.930	60	55.8	23.0	7.00	7.9	YES	110	
17	1.060	60	63.6	24.0	7.00	7.5	YES	110	
18	0.980	60	58.8	23.0	7.00	7.9	YES	110	
19	0.960	60	57.6	25.0	7.00	6.9	YES	110	
20	1.020	60	61.2	23.0	7.00	7.9	YES	110	
21	1.050	60	63.0	24.0	7.00	7.4	YES	110	
22	1.120	60	67.2	21.0	7.00	9.2	YES	110	
23	1.230	60	73.8	18.0	7.00	11.4	YES	110	
24	1.040	60	62.4	22.0	7.00	8.5	YES	110	
25	1.040	60	62.4	25.0	7.00	6.9	YES	110	
26	0.960	60	57.6	24.0	7.00	7.4	YES	110	
27	0.950	60	57.0	23.0	7.00	7.9	YES	110	
28	0.890	60	53.4	20.0	7.00	9.6	YES	110	
29	1.070	60	64.2	19.0	7.00	10.5	YES	110	
30	1.180	60	70.8	26.0	7.00	6.6	YES	110	
31	1.060	60	63.6	28.0	7.00	5.7	YES	110	

* 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: Drinking Water Services
PO Box 14350
Portland, OR 97293-0350