

OHA - DWS

Membrane Filter Monthly Operating Report

County: **Polk**

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

Month/Year: **Aug-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	0.021	0.036	0.038	0.02	4.41	Y
2	0.021	0.029	0.041	0.02	4.46	Y
3	0.022	0.027	0.039	0.01	4.33	Y
4	0.021	0.031	0.039	0.02	4.48	Y
5	0.022	0.027	0.040	0.02	4.84	Y
6	0.022	0.031	0.039	0.01	4.82	Y
7	0.022	0.033	0.041	0.02	4.77	Y
8	0.022	0.033	0.040	0.03	4.25	Y
9	0.024	0.03	0.041	0.03	4.28	Y
10	0.023	0.032	0.053	0.03	4.21	Y
11	0.022	0.036	0.063	0.03	4.39	Y
12	0.025	0.041	0.042	0.02	4.41	Y
13	0.025	0.035	0.041	0.03	4.25	Y
14	0.028	0.034	0.040	0.03	4.19	Y
15	0.026	0.046	0.038	0.02	4.49	Y
16	0.028	0.037	0.038	0.02	4.52	Y
17	0.028	0.038	0.042	0.02	4.36	Y
18	0.030	0.042	0.039	0.01	4.69	Y
19	0.031	0.048	0.047	0.02	4.39	Y
20	0.030	0.043	0.045	0.02	4.49	Y
21	0.030	0.063	0.048	0.02	4.52	Y
22	0.032	0.052	0.052	0.03	4.19	Y
23	0.035	0.047	0.051	0.03	4.22	Y
24	0.035	0.051	0.052	0.03	4.23	Y
25	0.019	0.032	0.037	0.00	4.86	Y
26	0.019	0.043	0.038	0.03	4.92	Y
27	0.020	0.036	0.038	0.01	4.83	Y
28	0.020	0.031	0.041	0.01	4.89	Y
29	0.020	0.031	0.041	0.02	4.56	Y
30	0.020	0.039	0.040	0.02	4.53	Y
31	0.021	0.037	0.052	0.02	4.67	

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 SIGNATURE: <i>Darrel Lockard</i> Notes:	DATE: 9/4/2024 WT CERT #: 2853 PHONE #: (541) 222-9997
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* 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	1.070	60	64.2	23.0	7.00	8.0	YES	110	
2	1.120	60	67.2	23.0	7.00	8.0	YES	110	
3	0.980	60	58.8	25.0	7.00	6.9	YES	110	
4	0.840	60	50.4	27.0	7.00	5.9	YES	110	
5	1.000	60	60.0	20.0	7.00	9.7	YES	110	
6	1.120	60	67.2	25.0	7.00	7.0	YES	110	
7	1.060	60	63.6	23.0	7.00	8.0	YES	110	
8	1.110	60	66.6	25.0	7.00	7.0	YES	110	
9	1.090	60	65.4	25.0	7.00	7.0	YES	110	
10	1.030	60	61.8	25.0	7.00	6.9	YES	110	
11	1.000	60	60.0	24.0	7.00	7.4	YES	110	
12	0.980	60	58.8	24.0	7.00	7.4	YES	110	
13	1.350	60	81.0	22.0	7.00	8.8	YES	110	
14	1.260	60	75.6	23.0	7.00	8.2	YES	110	
15	1.340	60	80.4	24.0	7.00	7.7	YES	110	
16	1.320	60	79.2	24.0	7.00	7.7	YES	110	
17	1.380	60	82.8	22.0	7.00	8.9	YES	110	
18	1.190	60	71.4	22.0	7.00	8.7	YES	110	
19	1.450	60	87.0	22.0	7.00	8.9	YES	110	
20	1.390	60	83.4	18.0	7.00	11.6	YES	110	
21	1.430	60	85.8	18.0	7.00	11.7	YES	110	
22	1.560	60	93.6	20.0	7.00	10.4	YES	110	
23	1.520	60	91.2	19.0	7.00	11.0	YES	110	
24	1.610	60	96.6	20.0	7.00	10.4	YES	110	
25	1.550	60	93.0	21.0	7.00	9.7	YES	110	
26	1.830	60	109.8	18.0	7.00	12.2	YES	110	
27	0.690	60	41.4	19.0	7.00	10.0	YES	110	
28	1.460	60	87.6	17.0	7.00	12.6	YES	110	
29	1.500	60	90.0	20.0	7.00	10.3	YES	110	
30	1.480	60	88.8	19.0	7.00	11.0	YES	110	
31	1.510	60	90.6	19.0	7.00	11.0	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