

OHA - DWS

Membrane Filter Monthly Operating Report

County: **Polk**

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

Month/Year: **Sept./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	0.025	0.028	0.03	4.40	Y
2	0.020	0.026	0.030	0.03	4.44	Y
3	0.020	0.025	0.028	0.01	4.69	Y
4	0.020	0.023	0.029	0.02	4.39	Y
5	0.023	0.026	0.028	0.02	4.49	Y
6	0.023	0.036	0.030	0.02	4.52	Y
7	0.029	0.031	0.033	0.03	4.28	Y
8	0.032	0.04	0.030	0.03	4.21	Y
9	0.038	0.046	0.032	0.03	4.39	Y
10	0.046	0.051	0.032	0.02	4.36	Y
11	0.022	0.027	0.033	0.03	4.25	Y
12	0.023	0.029	0.052	0.03	4.35	Y
13	0.024	0.031	0.035	0.02	4.52	Y
14	0.024	0.033	0.041	0.02	4.43	Y
15	0.027	0.031	0.037	0.04	4.31	Y
16	0.027	0.055	0.037	0.02	4.55	Y
17	0.032	0.047	0.035	0.02	4.37	Y
18	0.034	0.045	0.041	0.02	4.26	Y
19	0.038	0.043	0.045	0.03	4.24	Y
20	0.041	0.046	0.047	0.02	4.34	Y
21	0.044	0.049	0.051	0.02	4.43	Y
22	0.047	0.052	0.048	0.03	4.28	Y
23	0.049	0.061	0.051	0.02	4.46	Y
24	0.019	0.024	0.023	0.02	4.33	Y
25	0.022	0.025	0.023	0.03	4.25	Y
26	0.021	0.025	0.025	0.02	4.23	Y
27	0.024	0.034	0.028	0.03	4.19	Y
28	0.024	0.033	0.028	0.03	4.34	Y
29	0.026	0.043	0.034	0.02	4.30	Y
30	0.027	0.042	0.029	0.03	4.22	Y
31					N/A	Off

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: **10/10/2024**
 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	1.140	60	68.4	19.0	7.00	10.6	YES	110	
2	1.480	60	88.8	20.0	7.00	10.3	YES	110	
3	1.630	60	97.8	24.0	7.00	8.0	YES	110	
4	1.300	60	78.0	19.0	7.00	10.8	YES	110	
5	1.330	60	79.8	20.0	7.00	10.1	YES	110	
6	1.360	60	81.6	20.0	7.00	10.1	YES	110	
7	1.430	60	85.8	21.0	7.00	9.6	YES	110	
8	1.340	60	80.4	20.0	7.00	10.1	YES	110	
9	1.680	60	100.8	22.0	7.00	9.2	YES	110	
10	1.540	60	92.4	20.0	7.00	10.4	YES	110	
11	1.610	60	96.6	20.0	7.00	10.4	YES	110	
12	1.570	60	94.2	22.0	7.00	9.1	YES	110	
13	1.490	60	89.4	21.0	7.00	9.6	YES	110	
14	1.360	60	81.6	21.0	7.00	9.5	YES	110	
15	1.380	60	82.8	19.0	7.00	10.9	YES	110	
16	1.330	60	79.8	18.0	7.00	11.6	YES	110	
17	0.640	60	38.4	18.0	7.00	10.7	YES	110	
18	1.680	60	100.8	19.0	7.00	11.3	YES	110	
19	1.590	60	95.4	20.0	7.00	10.4	YES	110	
20	1.290	60	77.4	20.0	7.00	10.1	YES	110	
21	1.210	60	72.6	22.0	7.00	8.7	YES	110	
22	1.130	60	67.8	20.0	7.00	9.9	YES	110	
23	1.280	60	76.8	18.0	7.00	11.5	YES	110	
24	1.240	60	74.4	20.0	7.00	10.0	YES	110	
25	1.320	60	79.2	19.0	7.00	10.8	YES	110	
26	1.300	60	78.0	22.0	7.00	8.8	YES	110	
27	1.380	60	82.8	23.0	7.00	8.3	YES	110	
28	0.740	60	44.4	21.0	7.00	8.8	YES	110	
29	1.240	60	74.4	19.0	7.00	10.7	YES	110	
30	1.630	60	97.8	19.0	7.00	11.2	YES	110	
31	1.690	60	101.4	20.0	7.00	10.5	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