

OHA - DWS

Membrane Filter Monthly Operating Report

County: **Polk**

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

Month/Year: **Jun-2024**

PWS ID#: 41 - **01174**

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

Plant ID: WTP - _____

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

(e.g., "A")

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	0.023	0.035	0.035	0.02	4.46	Y
2	0.024	0.032	0.037	0.02	4.55	Y
3	0.023	0.058	0.043	0.02	4.68	Y
4	0.026	0.043	0.047	0.02	4.41	Y
5	0.025	0.036	0.071	0.03	4.25	Y
6	0.027	0.031	0.075	0.03	4.19	Y
7	0.025	0.065	0.034	0.04	4.33	Y
8	0.022	0.059	0.029	0.02	4.33	Y
9	0.024	0.042	0.031	0.03	4.21	Y
10	0.018	0.021	0.028	0.03	4.40	Y
11	0.018	0.03	0.028	0.03	4.44	Y
12	0.020	0.036	0.028	0.01	4.69	Y
13	0.019	0.029	0.029	0.02	4.39	Y
14	0.021	0.027	0.028	0.02	4.49	Y
15	0.020	0.031	0.030	0.02	4.52	Y
16	0.021	0.027	0.029	0.02	4.36	Y
17	0.020	0.031	0.031	0.03	4.25	Y
18	0.028	0.033	0.032	0.03	4.28	Y
19	0.026	0.033	0.034	0.03	4.21	Y
20	0.026	0.03	0.032	0.03	4.39	Y
21	0.025	0.047	0.037	0.02	4.36	Y
22	0.028	0.042	0.033	0.03	4.25	Y
23	0.028	0.031	0.040	0.03	4.28	Y
24	0.029	0.033	0.036	0.03	4.21	Y
25	0.027	0.033	0.037	0.03	4.25	Y
26	0.028	0.032	0.035	0.03	4.26	Y
27	0.028	0.036	0.033	0.03	4.29	Y
28	0.030	0.041	0.038	0.03	4.25	Y
29	0.028	0.035	0.038	0.02	4.41	Y
30	0.025	0.034	0.034	0.03	4.21	Y
31	Only 30 days					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:** 7/10/2024
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	1.230	60	73.8	17.0	8.00	17.7	YES	110	
2	1.180	60	70.8	17.0	8.00	17.6	YES	110	
3	1.200	60	72.0	17.0	8.00	17.7	YES	110	
4	1.160	60	69.6	17.0	8.00	17.6	YES	110	
5	0.880	60	52.8	16.0	8.00	18.2	YES	110	
6	1.150	60	69.0	18.0	8.00	16.4	YES	110	
7	0.970	60	58.2	18.0	8.00	16.1	YES	110	
8	1.030	60	61.8	16.0	8.00	18.5	YES	110	
9	1.080	60	64.8	16.0	8.00	18.6	YES	110	
10	1.040	60	62.4	17.0	8.00	17.3	YES	110	
11	1.350	60	81.0	18.0	8.00	16.8	YES	110	
12	0.680	60	40.8	19.0	8.00	14.6	YES	110	
13	1.000	60	60.0	19.0	8.00	15.1	YES	110	
14	0.970	60	58.2	19.0	7.00	10.4	YES	110	
15	0.990	60	59.4	19.0	7.00	10.4	YES	110	
16	0.980	60	58.8	17.0	7.00	11.9	YES	110	
17	1.020	60	61.2	18.0	7.00	11.2	YES	110	
18	0.980	60	58.8	15.0	7.00	13.6	YES	110	
19	0.970	60	58.2	18.0	7.00	11.1	YES	110	
20	0.990	60	59.4	19.0	7.00	10.4	YES	110	
21	0.960	60	57.6	19.0	7.00	10.4	YES	110	
22	0.970	60	58.2	19.0	7.00	10.4	YES	110	
23	0.950	60	57.0	18.0	7.00	11.1	YES	110	
24	0.940	60	56.4	19.0	7.00	10.3	YES	110	
25	0.940	60	56.4	19.0	7.00	10.3	YES	110	
26	1.080	60	64.8	18.0	7.00	11.2	YES	110	
27	1.030	60	61.8	19.0	7.00	10.4	YES	110	
28	1.050	60	63.0	20.0	7.00	9.8	YES	110	
29	1.020	60	61.2	20.0	7.00	9.7	YES	110	
30	1.050	60	63.0	22.0	7.00	8.5	YES	110	
31	Only 30 days	60	#####			#####	#####	110	Only 30 days

♦ 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