

OHA - DWS

Membrane Filter Monthly Operating Report

County: **Polk**

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

Month/Year: **December, 2025**

PWS ID#: 41 - **01174**

Minimum test pressure applied: **18.5** psi

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

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

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

PDR = Pressure Decay Rate

LRC = Log Removal Credit

Day	CFE Daily Turbidity [NTU]	Highest CFE* [NTU]	Highest IFE [NTU]	PDR _{Max} [psi/min]		LRC [log removal]	DIT Daily	
				0.040				
				Highest PDR of day [psi/min]		Lowest LRV _{ambient} of day [log removal]		
				[Y/N] or "off"				
1	0.025		0.079	0.02	4.58	Y		
2	0.025		0.093	0.02	4.60	Y		
3	0.025		0.093	0.02	4.33	Y		
4	0.024		0.059	0.02	4.60	Y		
5	0.025		0.065	0.02	4.59	Y		
6	0.025		0.075	0.02	4.59	Y		
7	0.025		0.082	0.02	4.47	Y		
8	0.025		0.091	0.02	4.59	Y		
9	0.025		0.095	0.02	4.53	Y		
10	0.025		0.053	0.02	4.50	Y		
11	0.024		0.061	0.02	4.59	Y		
12	0.024		0.033	0.02	4.58	Y		
13	0.024		0.032	0.02	4.60	Y		
14	0.024		0.036	0.02	4.56	Y		
15	0.024		0.036	0.02	4.09	Y		
16	0.024		0.039	0.02	4.59	Y		
17	0.030		0.044	0.02	4.59	Y		
18	0.024		0.051	0.02	4.02	Y		
19							Y	
20							Y	
21	Reservoir Turnover 12/19-12/21. Well initiated as primary.						Y	
22	0.025		0.075	0.03	4.62	Y		
23	0.025		0.077	0.02	4.61	Y		
24	0.025		0.09	0.03	4.36	Y		
25	0.025		0.084	0.02	4.45	Y		
26	0.025		0.088	0.03	4.36	Y		
27	0.025		0.093	0.03	4.36	Y		
28	0.025		0.065	0.03	4.36	Y		
29	0.024		0.063	0.03	4.36	Y		
30	0.025		0.071	0.03	4.50	Y		
31	0.024		0.073	0.03	4.36	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:** 1/9/2025
SIGNATURE: *Darrel Lockard* **WT CERT #:** 2853
Notes: LRV Equation Issues - Qp figure is causing issues **PHONE #:** (541) 222-9997
 Reservoir Turning over 12/19-12/22: Well Initiated

* 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 - A

0.5	↩ Log Inactivation Required via Disinfection
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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	1.670	60	100.2	11.7	7.23	20.2	YES	120	
2	1.380	60	82.8	14.6	7.43	17.1	YES	120	
3	1.800	60	108.0	10.2	7.28	23.0	YES	120	
4	1.830	60	109.8	13.3	7.24	18.3	YES	120	
5	1.760	60	105.6	13.8	7.38	18.5	YES	120	
6	2.060	60	123.6	13.3	7.24	18.8	YES	120	
7	1.980	60	118.8	13.7	7.28	18.4	YES	120	
8	2.030	60	121.8	16.4	7.26	15.4	YES	120	
9	1.780	60	106.8	15.4	7.25	15.9	YES	120	
10	1.980	60	118.8	17.8	7.39	14.6	YES	120	
11	1.870	60	112.2	15.4	7.21	15.8	YES	120	
12	1.830	60	109.8	15.1	7.20	16.0	YES	120	
13	2.700	60	162.0	15.3	7.19	17.4	YES	120	
14	2.150	60	129.0	13.6	7.16	18.1	YES	120	
15	1.710	60	102.6	13.7	7.18	17.2	YES	120	
16	2.000	60	120.0	15.3	7.22	16.2	YES	120	
17	1.820	60	109.2	15.3	7.28	16.3	YES	120	
18	1.920	60	115.2	14.8	7.24	16.8	YES	120	
19	2.100	60	126.0	16.8	7.47	16.3	YES	120	
20	1.170	60	70.2	14.4	7.59	18.0	YES	120	
21	1.300	60	78.0	17.5	7.34	13.5	YES	120	
22	2.190	60	131.4	15.1	7.42	18.1	YES	120	
23	1.950	60	117.0	15.4	7.44	17.4	YES	120	
24	1.060	60	63.6	13.3	7.87	21.2	YES	120	
25	2.200	60	132.0	12.0	7.44	22.6	YES	120	
26	2.150	60	129.0	14.0	7.42	19.4	YES	120	
27	2.120	60	127.2	14.4	7.41	18.7	YES	120	
28	2.030	60	121.8	13.6	7.48	20.1	YES	120	
29	2.130	60	127.8	12.8	7.40	20.8	YES	120	
30	1.640	60	98.4	14.6	7.45	17.8	YES	120	
31	1.870	60	112.2	13.7	7.37	18.8	YES	120	

♦ 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

email: dwp.dmce@odhsoha.oregon.gov

fax: 971-673-0458