

Membrane Filter Monthly Operating Report

County: Deschutes

System Name: City of Bend

Month/Year: June 2024

PWS ID#: 41 - 00100 Minimum test pressure applied || req'd: 32 psi || 27 psi

Plant ID: WTP - A (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


0.21

4.00

Day	CFE Daily Turbidity [NTU]	Highest CFE [NTU]	Highest IFE [NTU] (>15 min duration)	Highest PDR of day [psi/min]	Lowest LRVambient of day [log removal]	[Y/N] or "off"
1	0.0152	0.0156	0.0134	0.0492		Y
2	0.0152	0.0154	0.0133	0.0466		Y
3	0.0153	0.018	0.017	0.0492		Y
4	0.0152	0.0173	0.0139	0.0512		Y
5	0.0152	0.0156	0.0219	0.0506		Y
6	0.0152	0.0197	0.0153	0.0494		Y
7	0.0152	0.0166	0.0134	0.0506		Y
8	0.0152	0.0157	0.0134	0.0524		Y
9	0.0152	0.0154	0.0132	0.0556		Y
10	0.0152	0.016	0.0148	0.055		Y
11	0.0152	0.0154	0.0135	0.0538		Y
12	0.0153	0.0435	0.0138	0.0534		Y
13	0.0153	0.0529	0.0131	0.0546		Y
14	0.0153	0.0179	0.0132	0.0558		Y
15						
16						
17						
18	n/a	n/a	n/a	n/a		OFF
19	0.0162	0.033	0.0195	0.0586		Y
20	0.0156	0.0171	0.014	0.0558		Y
21	0.0156	0.0161	0.0134	0.0396		Y
22	0.0157	0.0162	0.0135	0.047		Y
23	0.0156	0.016	0.0136	0.0442		Y
24	0.0156	0.0168	0.0151	0.0482		Y
25	0.0156	0.016	0.0132	0.044		Y
26	0.0142	0.0415	0.0148	0.0486		Y
27	0.0123	0.0137	0.0149	0.0428		Y
28	0.0123	0.0126	0.0144	0.0452		Y
29	0.0123	0.0124	0.0144	0.046		Y
30	0.0123	0.0124	0.0144	0.0482		Y
31						

Compliance summary (operator to complete any blank fields)

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 ≤ PDRMax, LRV ≥ LRC)	DIT Daily?
Y	Y	Y		Y
CT's met daily? (p. 2)	All Cl2 residual at EP ≥ 0.2 mg/L?	PDR < PDRMax?	LRVambient > LRC?	
Y	Y	Y		

PRINTED NAME: Rod Minaus **DATE:** 07/09/24
SIGNATURE:  **WT CERT #:** T-08557
Notes: **PHONE #:** 541-693-2180

6/15/2024

We lost communication with SCADA therefore losing some data starting Saturday afternoon on the 15th and running through Monday the 17th. We did perform daily IT's on all filtration racks during this period of time. We also shut the plant down on Monday the 17th which gave our SCADA team time to fix the issue. We brought the plant back online the next day.

Disinfection Monthly Operating Report

System Name: **Bend Water Department**

PWS ID#: 41 - **00100**

Plant ID : WTP - **A**

0.5

Log
Inactivation
Required via
Disinfection

Day	Minimum Cl ₂ Residual at 1st 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 CT [GPM]	Peak Hourly Demand Flow OB1 [GPM]
1	1.1	351	386	7.99	7.41	26	Y	6,125	6,494
2	1.11	351	389	7.22	7.36	27	Y	6,133	6,477
3	0.93	351	327	7.38	7.37	26	Y	6,072	6,494
4	1.24	352	436	7.03	7.36	27	Y	6,099	6,481
5	1.11	348	386	7.56	7.36	26	Y	6,176	6,492
6	1.14	349	398	7.46	7.35	26	Y	6,149	6,512
7	1.03	347	357	9.09	7.34	23	Y	6,283	6,494
8	1.08	349	377	9.01	7.38	24	Y	6,160	6,473
9	1.17	352	411	7.63	7.37	26	Y	6,144	6,474
10	1.16	321	372	7.34	7.39	27	Y	6,697	6,970
11	1.16	295	342	7.76	7.29	25	Y	7,122	7,505
12	1.17	295	345	6.98	7.4	28	Y	7,106	7,497
13	1.18	297	350	7.66	7.42	27	Y	7,103	7,477
14	1.18	300	353	7.75	7.4	26	Y	6,976	7,477
15									
16									
17									
18	n/a	0	n/a	n/a	n/a	n/a	n/a	0	0
19	1.01	274	277	8.09	7.35	25	Y	7,572	8,002
20	0.99	272	270	7.95	7.35	25	Y	7,622	8,055
21	0.92	272	250	9.53	7.32	22	Y	7,545	8,053
22	0.94	272	256	9.77	7.24	21	Y	7,669	8,029
23	0.96	273	262	9.14	7.26	22	Y	7,624	8,028
24	0.91	272	247	10.04	7.3	21	Y	7,657	8,045
25	1.1	272	299	9.33	7.37	23	Y	7,596	8,040
26	1.05	273	286	9.17	7.3	23	Y	7,562	8,031
27	1	273	273	8.69	7.36	24	Y	7,590	8,059
28	1	273	273	9.29	7.33	23	Y	7,544	8,026
29	0.96	274	263	10.32	7.36	21	Y	7,554	8,031
30	1.02	286	292	8.63	7.37	24	Y	7,508	8,047
31									

♦ 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: PO Box 14350
Portland, OR 97293-0350
email: dwp.dmce@odhsoha.oregon.gov
fax: 971-673-0458