

OHA - DWS

Membrane Filter Monthly Operating Report

County: **Clackamas**

System Name: **NCCWC**

Month/Year: **Nov-2024**

PWS ID#: 41 - **00580**

Minimum test pressure applied: **12.82** psi

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

Minimum test pressure req'd: **11.4** 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

PDR_{Max} [^{psi}/_{min}]
0.484

LRC [log removal]
4.00

DIT
Daily

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	0.050	0.05	0.080	0.41	4.11	yes
2	0.050	0.05	0.050	0.41	4.05	yes
3						off
4	0.050	0.05	0.050	0.44	4.04	yes
5						off
6						off
7	0.050	0.05	0.080	0.44	4.08	yes
8	0.050	0.05	0.060	0.44	4.15	yes
9						off
10						off
11	0.070	0.07	0.080	0.44	4.16	yes
12	0.050	0.05	0.050	0.44	4.10	yes
13	0.050	0.05	0.020	0.44	4.09	yes
14	0.050	0.05	0.050	0.44	4.08	yes
15	0.050	0.05	0.050	0.44	4.10	yes
16						off
17	0.050	0.05	0.050	0.44	4.08	yes
18	0.050	0.05	0.050	0.44	4.08	yes
19	0.050	0.05	0.050	0.44	4.06	yes
20	0.060	0.06	0.050	0.44	4.07	yes
21	0.060	0.06	0.050	0.44	4.06	yes
22	0.060	0.06	0.050	0.44	4.06	yes
23	0.060	0.06	0.050	0.43	4.03	yes
24	0.060	0.06	0.060	0.43	4.04	yes
25	0.060	0.06	0.080	0.43	4.04	yes
26	0.060	0.06	0.090	0.39	4.09	yes
27	0.060	0.06	0.070	0.39	4.09	yes
28	0.050	0.05	0.060	0.46	4.08	yes
29	0.050	0.05	0.070	0.46	4.09	yes
30						off

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 ≤ 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	

PRINTED NAME:

SIGNATURE:

Notes:

*Bret Bieng-
th*

DATE:

WT CERT #:

PHONE #:

4 Dec. 2024

T-08749

971-356-6943

p. 1 of 2

OHA - Drinking Water Program - Surface Water Quality Data Form

NORTH CLACKAMAS COUNTY WC ID#: OR4100580 WTP:- WTP-B2 Month/Year: November 2024

Membrane Filters

Date	Time	Minimum Cl ₂ Residual at 1 st User (C)*	Contact Time (T)	Actual CT	Temp	pH	Required CT	CT Met?*	Peak Hourly Demand Flow
		(mg/L)	(minutes)	C x T	(°C)		Use Tables	Yes / No	(gpm)
11/01/24	6:00 AM	1.42	28	40	13.1	7.6	19	Yes	4569
11/02/24	6:00 AM	1.19	32	38	13.1	7.6	19	Yes	4674
11/03/24	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/04/24	6:00 AM	1.10	45	50	12.7	7.6	19	Yes	2912
11/05/24	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/06/24	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/07/24	6:00 AM	1.25	61	77	12.1	7.6	21	Yes	2125
11/08/24	6:00 AM	1.30	97	126	10.9	7.6	23	Yes	1340
11/09/24	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/10/24	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/11/24	6:00 AM	1.25	51	63	11.7	7.5	20	Yes	2575
11/12/24	6:00 AM	1.17	59	69	11.6	7.7	22	Yes	2182
11/13/24	6:00 AM	1.68	88	148	11.1	7.5	23	Yes	1474
11/14/24	6:00 AM	1.26	27	35	11.1	7.5	21	Yes	4599
11/15/24	6:00 AM	1.01	118	119	11.0	7.5	21	Yes	1265
11/16/24	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/17/24	6:00 AM	1.58	31	48	11.2	7.5	22	Yes	4200
11/18/24	6:00 AM	1.21	22	26	10.5	7.5	22	Yes	5684
11/19/24	6:00 AM	1.19	27	32	10.0	7.5	23	Yes	4893
11/20/24	6:00 AM	1.45	24	35	10.4	7.5	23	Yes	5386
11/21/24	6:00 AM	1.72	24	42	10.1	7.5	24	Yes	5334
11/22/24	6:00 AM	1.56	38	60	10.4	7.5	23	Yes	3351
11/23/24	6:00 AM	1.43	60	86	9.9	7.5	23	Yes	2132
11/24/24	6:00 AM	1.44	80	115	9.9	7.5	23	Yes	1602
11/25/24	6:00 AM	1.54	79	122	10.6	7.5	23	Yes	1599
11/26/24	6:00 AM	1.41	89	125	10.5	7.5	22	Yes	1467
11/27/24	6:00 AM	1.45	29	42	9.7	7.5	24	Yes	4398
11/28/24	6:00 AM	1.37	93	127	10.0	7.5	23	Yes	1405
11/29/24	6:00 AM	1.35	34	46	9.6	7.5	24	Yes	3810
11/30/24	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0

*If Cl₂ at entry point <0.2 mg/L OR CT not met, notify DWP by end of next business day

OHA - Drinking Water Program - Turbidity Monitoring Report Form County: Clackamas
Slow Sand, Membrane, Diatomaceous Earth Filtration, or Unfiltered System

System name: NORTH CLACKAMAS COUNTY WC ID # OR4100580 WTP-: WTP-B2 Month/Year: November 2024							
Day	12:00 AM [NTU]	4:00 AM [NTU]	8:00 AM [NTU]	Noon [NTU]	4:00 PM [NTU]	8:00 PM [NTU]	Highest Reading of the Day [NTU]
1	N/A	N/A	0.09	N/A	N/A	N/A	0.09
2	N/A	N/A	0.06	N/A	N/A	N/A	0.06
3	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN
4	N/A	N/A	0.07	N/A	N/A	N/A	0.07
5	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN
6	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN
7	N/A	N/A	0.07	N/A	N/A	N/A	0.07
8	N/A	N/A	0.04	N/A	N/A	N/A	0.04
9	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN
10	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN
11	N/A	N/A	0.07	N/A	N/A	N/A	0.07
12	N/A	N/A	0.09	N/A	N/A	N/A	0.09
13	N/A	N/A	0.06	N/A	N/A	N/A	0.06
14	N/A	N/A	0.05	N/A	N/A	N/A	0.05
15	N/A	N/A	0.05	N/A	N/A	N/A	0.05
16	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN
17	N/A	N/A	0.05	N/A	N/A	N/A	0.05
18	N/A	N/A	0.06	N/A	N/A	N/A	0.06
19	N/A	N/A	0.06	N/A	N/A	N/A	0.06
20	N/A	N/A	0.08	N/A	N/A	N/A	0.08
21	N/A	N/A	0.06	N/A	N/A	N/A	0.06
22	N/A	N/A	0.09	N/A	N/A	N/A	0.09
23	N/A	N/A	0.09	N/A	N/A	N/A	0.09
24	N/A	N/A	0.09	N/A	N/A	N/A	0.09
25	N/A	N/A	0.08	N/A	N/A	N/A	0.08
26	N/A	N/A	0.08	N/A	N/A	N/A	0.08
27	N/A	N/A	0.08	N/A	N/A	N/A	0.08
28	N/A	N/A	0.07	N/A	N/A	N/A	0.07
29	N/A	N/A	0.07	N/A	N/A	N/A	0.07
30	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN
Slow Sand/Membrane/DE Filtration/ Unfiltered				Monthly Summary			
95% of daily turbidity readings $\leq$ 1 NTU? YES All daily readings $\leq$ 5 NTU? YES				CT's met everyday? (see back) YES		All CL2 residual at entry point $\geq$ 0.2 mg/l? YES	
Notes:				PRINTED NAME: Bret Bienerth			
				SIGNATURE <i>Bret Bienerth</i>		DATE 12/4/24	
				PHONE #: (503) -723-3505		CERT #: T-08749	