

# OHA - DWS

## Membrane Filter Monthly Operating Report

County: **Clackamas**

System Name: **North Clackamas County**

Month/Year: **Feb-2024**

PWS ID#: 41 - **00580**

Minimum test pressure applied || req'd: 13.06 psi || 12.67 psi

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

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<sub>Max</sub> [<sup>psi</sup>/<sub>min</sub>]

LRC [log removal]

0.484

4.00

DIT  
Daily

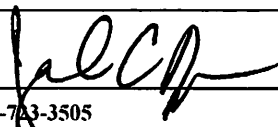
Day	CFE Daily Turbidity [NTU]	Highest CFE* [NTU]	Highest IFE [NTU] (>15 min duration)	Highest PDR of day [ <sup>psi</sup> / <sub>min</sub> ]	Lowest LRV <sub>ambient</sub> of day [log removal]	[Y/N] or "off"
1	0.04	0.08	0.08	0.253	4.18	YES
2	0.04	0.08	0.08	0.272	4.14	YES
3						OFF
4						OFF
5						OFF
6	0.07	0.09	0.09	0.253	4.39	YES
7						OFF
8	0.05	0.07	0.07	0.272	4.16	YES
9	0.06	0.06	0.06	0.272	4.15	YES
10	0.03	0.07	0.07	0.272	4.15	YES
11	0.04	0.08	0.06	0.273	4.15	YES
12	0.05	0.07	0.05	0.271	4.15	YES
13	0.04	0.07	0.05	0.273	4.15	YES
14	0.04	0.06	0.05	0.273	4.15	YES
15	0.04	0.06	0.07	0.273	4.16	YES
16	0.04	0.05	0.06	0.273	4.13	YES
17	0.03	0.05	0.06	0.273	4.15	YES
18	0.04	0.04	0.05	0.272	4.13	YES
19	0.04	0.04	0.05	0.273	4.13	YES
20	0.04	0.04	0.05	0.282	4.13	YES
21	0.04	0.05	0.05	0.282	4.13	YES
22	0.04	0.07	0.07	0.284	4.12	YES
23	0.06	0.07	0.07	0.284	4.12	YES
24	0.04	0.07	0.07	0.284	4.12	YES
25	0.06	0.06	0.07	0.284	4.13	YES
26	0.05	0.06	0.07	0.284	4.13	YES
27	0.05	0.06	0.07	0.284	4.23	YES
28	0.05	0.06	0.07	0.284	4.28	YES
29	0.06	0.08	0.07	0.284	4.22	YES

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 <sub>Max</sub> , LRV ≥ LRC)	DIT Daily?
Yes	Yes	Yes	Yes	Yes
CT's met daily? (p. 2)	All Cl <sub>2</sub> residual at EP ≥ 0.2 mg/L?	PDR ≤ PDR <sub>Max</sub> ?	LRV <sub>ambient</sub> ≥ LRC?	
		Yes	Yes	

PRINTED NAME: *Joseph Rogers*      DATE: *3-1-2024*  
 SIGNATURE: *[Signature]*      WT CERT #: *T-09162*  
 Notes:      PHONE #: *503-572-0129*

♣ Used for optimization purposes only.

**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: February 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	0.06	N/A	N/A	N/A	0.06
2	N/A	N/A	0.04	N/A	N/A	N/A	0.04
3	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN
4	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN
5	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN
6	N/A	N/A	0.06	N/A	N/A	N/A	0.06
7	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN
8	N/A	N/A	0.03	N/A	N/A	N/A	0.03
9	N/A	N/A	0.04	N/A	N/A	N/A	0.04
10	N/A	N/A	0.03	N/A	N/A	N/A	0.03
11	N/A	N/A	0.06	N/A	N/A	N/A	0.06
12	N/A	N/A	0.05	N/A	N/A	N/A	0.05
13	N/A	N/A	0.03	N/A	N/A	N/A	0.03
14	N/A	N/A	0.03	N/A	N/A	N/A	0.03
15	N/A	N/A	0.05	N/A	N/A	N/A	0.05
16	N/A	N/A	0.06	N/A	N/A	N/A	0.06
17	N/A	N/A	0.03	N/A	N/A	N/A	0.03
18	N/A	N/A	0.04	N/A	N/A	N/A	0.04
19	N/A	N/A	0.03	N/A	N/A	N/A	0.03
20	N/A	N/A	0.03	N/A	N/A	N/A	0.03
21	N/A	N/A	0.05	N/A	N/A	N/A	0.05
22	N/A	N/A	0.06	N/A	N/A	N/A	0.06
23	N/A	N/A	0.05	N/A	N/A	N/A	0.05
24	N/A	N/A	0.07	N/A	N/A	N/A	0.07
25	N/A	N/A	0.06	N/A	N/A	N/A	0.06
26	N/A	N/A	0.05	N/A	N/A	N/A	0.05
27	N/A	N/A	0.07	N/A	N/A	N/A	0.07
28	N/A	N/A	0.08	N/A	N/A	N/A	0.08
29	N/A	N/A	0.07	N/A	N/A	N/A	0.07
<b>Slow Sand/Membrane/DE Filtration/ Unfiltered</b>				<b>Monthly Summary</b>			
95% of daily turbidity readings ≤ 1 NTU? <b>YES</b>				CT's met everyday? (see back) <b>YES</b>		All CL2 residual at entry point ≥ 0.2 mg/l? <b>YES</b>	
All daily readings ≤ 5 NTU? <b>YES</b>				<b>PRINTED NAME: Joe Rogers</b>			
<b>Notes:</b>				<b>SIGNATURE</b> 		<b>DATE 3/1/2024</b>	
				<b>PHONE #: (503) -723-3505</b>		<b>CERT #: T-09162</b>	

**OHA - Drinking Water Program - Surface Water Quality Data Form**

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

**Membrane Filters**

Date	Time	Minimum Cl <sub>2</sub> Residual at 1 <sup>st</sup> 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)
02/01/24	6:00 AM	1.50	36	53	8.1	7.9	31	Yes	4368
02/02/24	6:00 AM	1.34	37	50	9.2	7.8	27	Yes	4101
02/03/24	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
02/04/24	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
02/05/24	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
02/06/24	6:00 AM	1.26	107	134	8.2	8.0	31	Yes	1294
02/07/24	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
02/08/24	6:00 AM	1.52	56	86	9.2	7.8	28	Yes	2648
02/09/24	6:00 AM	1.36	37	51	9.1	7.8	28	Yes	3984
02/10/24	6:00 AM	1.37	36	49	9.2	7.7	26	Yes	4190
02/11/24	6:00 AM	1.38	38	52	7.5	7.7	29	Yes	4036
02/12/24	6:00 AM	1.18	38	45	7.2	7.8	31	Yes	3995
02/13/24	6:00 AM	1.14	36	41	7.1	7.8	31	Yes	4191
02/14/24	6:00 AM	1.25	47	59	6.6	7.8	32	Yes	3277
02/15/24	6:00 AM	1.43	37	52	6.5	8.3	40	Yes	4028
02/16/24	6:00 AM	1.46	40	59	6.6	7.7	31	Yes	3699
02/17/24	6:00 AM	1.28	108	138	6.3	7.9	34	Yes	1419
02/18/24	6:00 AM	1.25	114	143	6.3	8.0	35	Yes	1322
02/19/24	6:00 AM	1.31	49	64	6.4	7.9	34	Yes	3203
02/20/24	6:00 AM	1.29	58	75	6.6	8.2	37	Yes	2588
02/21/24	6:00 AM	1.45	39	57	7.0	8.0	34	Yes	3887
02/22/24	6:00 AM	1.49	39	58	7.2	7.9	33	Yes	3916
02/23/24	6:00 AM	1.37	108	148	8.4	7.9	30	Yes	1403
02/24/24	6:00 AM	1.38	73	100	7.3	7.8	31	Yes	2137
02/25/24	6:00 AM	1.21	71	86	7.4	7.8	30	Yes	2140
02/26/24	6:00 AM	1.32	34	45	7.5	8.0	33	Yes	4371
02/27/24	6:00 AM	1.42	36	51	6.6	7.8	32	Yes	4228
02/28/24	6:00 AM	1.26	48	60	7.7	7.7	29	Yes	3134
02/29/24	6:00 AM	1.25	48	60	7.4	7.7	29	Yes	3136

\*If Cl<sub>2</sub> at entry point <0.2 mg/L OR CT not met, notify DWP by end of next business day