

OHA - DWS

Membrane Filter Monthly Operating Report

County: **Clackamas**

System Name: **NCCWC**

Month/Year: **Jun-2024**

PWS ID#: 41 - **00580**

Minimum test pressure applied: **13.77** 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]

LRC [log removal]

0.484


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	0.020	0.02	0.030	0.33	4.21	YES
2	0.020	0.02	0.030	0.35	4.06	YES
3	0.020	0.02	0.030	0.35	4.04	YES
4	0.020	0.02	0.030	0.35	4.05	YES
5	0.040	0.04	0.040	0.35	4.17	YES
6	0.050	0.05	0.050	0.35	4.22	YES
7	0.040	0.05	0.050	0.35	4.19	YES
8	0.040	0.05	0.050	0.35	4.30	YES
9	0.040	0.05	0.050	0.36	4.12	YES
10	0.040	0.05	0.050	0.34	4.06	YES
11	0.040	0.05	0.050	0.36	4.02	YES
12	0.040	0.04	0.040	0.32	4.19	YES
13	0.040	0.04	0.040	0.31	4.19	YES
14	0.040	0.04	0.040	0.31	4.20	YES
15	0.030	0.04	0.040	0.25	4.20	YES
16	0.030	0.04	0.040	0.33	4.06	YES
17	0.030	0.04	0.040	0.32	4.03	YES
18	0.040	0.04	0.040	0.32	4.04	YES
19	0.040	0.05	0.050	0.37	4.16	YES
20	0.040	0.05	0.040	0.37	4.14	YES
21	0.040	0.05	0.040	0.34	4.18	YES
22	0.040	0.05	0.040	0.34	4.06	YES
23	0.040	0.05	0.040	0.34	4.04	YES
24	0.040	0.05	0.040	0.34	4.03	YES
25	0.040	0.05	0.040	0.34	4.06	YES
26	0.040	0.05	0.040	0.35	4.07	YES
27	0.030	0.03	0.030	0.35	4.18	YES
28	0.030	0.03	0.030	0.35	4.18	YES
29	0.040	0.04	0.040	0.36	4.16	YES
30	0.040	0.04	0.040	0.36	4.08	YES

Compliance summary (operator to complete any blank fields)

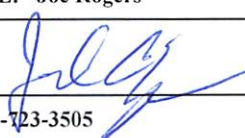
95% of daily turbidity readings ≤ 1 NTU? [Y/N]	All turbidity readings ≤ 5 NTU? [Y/N]	All IFE turbidity readings ≤ 0.15 NTU? [Y/N]	Performance std met? [Y/N] (PDR ≤ PDR _{Max} , LRV ≥ LRC)	DIT Daily?
Yes	Yes	Yes	Yes	Yes
CT's met daily? (p. 2)	All Cl ₂ residual at EP ≥ 0.2 mg/L?	PDR ≤ PDR _{Max} ?	LRV _{ambient} ≥ LRC?	
		Yes	Yes	

PRINTED NAME: **JOE ROGERS**
 SIGNATURE: 
 Notes:

DATE: **7/2/2024**
 WT CERT #: **09162**
 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: June 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	0.05	N/A	N/A	N/A	0.05	
2	N/A	N/A	0.04	N/A	N/A	N/A	0.04	
3	N/A	N/A	0.05	N/A	N/A	N/A	0.05	
4	N/A	N/A	0.08	N/A	N/A	N/A	0.08	
5	N/A	N/A	0.07	N/A	N/A	N/A	0.07	
6	N/A	N/A	0.09	N/A	N/A	N/A	0.09	
7	N/A	N/A	0.08	N/A	N/A	N/A	0.08	
8	N/A	N/A	0.06	N/A	N/A	N/A	0.06	
9	N/A	N/A	0.05	N/A	N/A	N/A	0.05	
10	N/A	N/A	0.04	N/A	N/A	N/A	0.04	
11	N/A	N/A	0.08	N/A	N/A	N/A	0.08	
12	N/A	N/A	0.07	N/A	N/A	N/A	0.07	
13	N/A	N/A	0.07	N/A	N/A	N/A	0.07	
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	0.04	N/A	N/A	N/A	0.04	
17	N/A	N/A	0.03	N/A	N/A	N/A	0.03	
18	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN	
19	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN	
20	N/A	N/A	0.03	N/A	N/A	N/A	0.03	
21	N/A	N/A	0.04	N/A	N/A	N/A	0.04	
22	N/A	N/A	0.04	N/A	N/A	N/A	0.04	
23	N/A	N/A	0.04	N/A	N/A	N/A	0.04	
24	N/A	N/A	0.04	N/A	N/A	N/A	0.04	
25	N/A	N/A	0.06	N/A	N/A	N/A	0.06	
26	N/A	N/A	0.03	N/A	N/A	N/A	0.03	
27	N/A	N/A	0.05	N/A	N/A	N/A	0.05	
28	N/A	N/A	0.04	N/A	N/A	N/A	0.04	
29	N/A	N/A	0.06	N/A	N/A	N/A	0.06	
30	N/A	N/A	0.04	N/A	N/A	N/A	0.04	
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: Joe Rogers				
				SIGNATURE 			DATE 7/1/24	
				PHONE #: (503) -723-3505			CERT #: T-09162	

OHA - Drinking Water Program - Surface Water Quality Data Form

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

Membrane Filters

Date	Time	Minimum Cl ₂ Residual at 1 st User (C)* (mg/L)	Contact Time (T) (minutes)	Actual CT C x T	Temp (°C)	pH	Required CT Use Tables	CT Met?*	Peak Hourly Demand Flow (gpm)
								Yes / No	
06/01/24	6:00 AM	1.45	37	54	15.0	7.9	18	Yes	3974
06/02/24	6:00 AM	1.29	38	50	14.4	7.8	19	Yes	3836
06/03/24	6:00 AM	1.66	35	58	14.4	7.9	20	Yes	4416
06/04/24	6:00 AM	1.39	26	36	13.9	7.7	19	Yes	5706
06/05/24	6:00 AM	1.31	55	72	13.4	7.7	20	Yes	2675
06/06/24	6:00 AM	1.32	49	65	14.0	7.8	19	Yes	3030
06/07/24	6:00 AM	1.37	57	77	14.2	7.9	20	Yes	2674
06/08/24	6:00 AM	1.40	47	66	15.1	7.7	17	Yes	3219
06/09/24	6:00 AM	1.42	53	75	15.2	7.8	18	Yes	2859
06/10/24	6:00 AM	1.35	40	54	15.6	7.8	17	Yes	3770
06/11/24	6:00 AM	1.36	43	58	16.1	7.7	16	Yes	3477
06/12/24	6:00 AM	1.20	69	83	15.6	8.0	18	Yes	2162
06/13/24	6:00 AM	1.26	35	44	16.7	8.2	19	Yes	4241
06/14/24	6:00 AM	1.26	54	68	16.8	7.7	15	Yes	2833
06/15/24	6:00 AM	1.30	49	64	16.9	8.0	17	Yes	3011
06/16/24	6:00 AM	1.23	120	147	15.7	8.0	18	Yes	1248
06/17/24	6:00 AM	1.30	53	68	16.1	8.2	19	Yes	2839
06/18/24	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
06/19/24	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
06/20/24	6:00 AM	1.17	53	62	16.5	7.7	15	Yes	2850
06/21/24	6:00 AM	1.26	35	44	17.6	8.0	16	Yes	4267
06/22/24	6:00 AM	1.25	36	45	17.6	7.7	15	Yes	4224
06/23/24	6:00 AM	1.22	35	43	17.7	7.8	15	Yes	4363
06/24/24	6:00 AM	1.13	33	37	18.1	8.2	17	Yes	4513
06/25/24	6:00 AM	1.21	25	30	17.7	7.7	15	Yes	6150
06/26/24	6:00 AM	1.24	23	29	18.5	7.6	13	Yes	6390
06/27/24	6:00 AM	1.22	35	43	17.9	7.6	14	Yes	4323
06/28/24	6:00 AM	1.28	36	46	17.6	7.8	15	Yes	4276
06/29/24	6:00 AM	1.28	32	41	18.4	7.6	14	Yes	4838
06/30/24	6:00 AM	1.29	41	53	19.2	7.8	14	Yes	3622

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