

OHA - DWS

Membrane Filter Monthly Operating Report

County: Clackamas

System Name: North Clackamas County

Month/Year: Mar-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

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

LRC [log removal]

LRC = Log Removal Credit

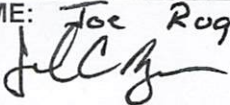
0.484

4.00

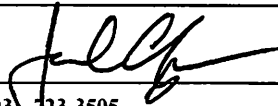
DIT
Daily

Day	CFE Daily Turbidity [NTU]	Highest CFE* [NTU]	Highest IFE [NTU] (>15 min duration)	Highest PDR of day [^{psi} /min]	Lowest LRV _{ambient} of day [log removal]	[Y/N] or "off"
1	0.050	0.07	0.080	0.205	4.39	YES
2	0.070	0.08	0.080	0.212	4.37	YES
3	0.080	0.07	0.080	0.284	4.19	YES
4	0.070	0.09	0.090	0.284	4.19	YES
5	0.070	0.09	0.090	0.284	4.20	YES
6	0.070	0.09	0.090	0.284	4.18	YES
7	0.070	0.09	0.090	0.283	4.18	YES
8	0.070	0.09	0.090	0.284	4.20	YES
9	0.070	0.07	0.070	0.284	4.22	YES
10	0.070	0.07	0.070	0.237	4.21	YES
11	0.060	0.06	0.060	0.284	4.21	YES
12	0.060	0.06	0.060	0.284	4.25	YES
13	0.060	0.06	0.060	0.284	4.21	YES
14	0.070	0.07	0.070	0.284	4.27	YES
15	0.060	0.06	0.060	0.219	4.25	YES
16	0.060	0.06	0.060	0.343	4.22	YES
17	0.060	0.07	0.060	0.216	4.23	YES
18	0.070	0.06	0.060	0.224	4.19	YES
19	0.070	0.07	0.070	0.224	4.23	YES
20	0.070	0.07	0.070	0.215	4.22	YES
21	0.070	0.07	0.070	0.343	4.22	YES
22	0.060	0.07	0.070	0.343	4.23	YES
23	0.070	0.07	0.070	0.343	4.22	YES
24	0.070	0.07	0.070	0.284	4.22	YES
25	0.060	0.07	0.070	0.284	4.22	YES
26	0.060	0.07	0.070	0.284	4.19	YES
27	0.060	0.07	0.070	0.284	4.19	YES
28	0.070	0.07	0.070	0.284	4.21	YES
29	0.060	0.07	0.070	0.282	4.21	YES
30	0.060	0.09	0.090	0.282	4.15	YES
31	0.070	0.07	0.070	0.282	4.15	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 _{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 DATE: 4-3-2024
 SIGNATURE:  WT CERT #: T-09162
 Notes: _____ PHONE #: 503-572-0129

**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: March 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	0.08	N/A	N/A	N/A	0.08	
3	N/A	N/A	0.08	N/A	N/A	N/A	0.08	
4	N/A	N/A	0.07	N/A	N/A	N/A	0.07	
5	N/A	N/A	0.09	N/A	N/A	N/A	0.09	
6	N/A	N/A	0.10	N/A	N/A	N/A	0.10	
7	N/A	N/A	0.09	N/A	N/A	N/A	0.09	
8	N/A	N/A	0.11	N/A	N/A	N/A	0.11	
9	N/A	N/A	0.06	N/A	N/A	N/A	0.06	
10	N/A	N/A	0.07	N/A	N/A	N/A	0.07	
11	N/A	N/A	0.05	N/A	N/A	N/A	0.05	
12	N/A	N/A	0.05	N/A	N/A	N/A	0.05	
13	N/A	N/A	0.10	N/A	N/A	N/A	0.10	
14	N/A	N/A	0.09	N/A	N/A	N/A	0.09	
15	N/A	N/A	0.06	N/A	N/A	N/A	0.06	
16	N/A	N/A	0.08	N/A	N/A	N/A	0.08	
17	N/A	N/A	0.06	N/A	N/A	N/A	0.06	
18	N/A	N/A	0.05	N/A	N/A	N/A	0.05	
19	N/A	N/A	0.06	N/A	N/A	N/A	0.06	
20	N/A	N/A	0.07	N/A	N/A	N/A	0.07	
21	N/A	N/A	0.08	N/A	N/A	N/A	0.08	
22	N/A	N/A	0.09	N/A	N/A	N/A	0.09	
23	N/A	N/A	0.08	N/A	N/A	N/A	0.08	
24	N/A	N/A	0.03	N/A	N/A	N/A	0.03	
25	N/A	N/A	0.06	N/A	N/A	N/A	0.06	
26	N/A	N/A	0.07	N/A	N/A	N/A	0.07	
27	N/A	N/A	0.08	N/A	N/A	N/A	0.08	
28	N/A	N/A	0.09	N/A	N/A	N/A	0.09	
29	N/A	N/A	0.08	N/A	N/A	N/A	0.08	
30	N/A	N/A	0.09	N/A	N/A	N/A	0.09	
31	N/A	N/A	0.07	N/A	N/A	N/A	0.07	
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 4/1/24	
				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: March 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)
03/01/24	6:00 AM	1.32	40	52	7.8	7.7	29	Yes	3826
03/02/24	6:00 AM	1.31	46	61	7.7	7.7	29	Yes	3224
03/03/24	6:00 AM	1.38	38	53	6.1	7.7	32	Yes	3900
03/04/24	6:00 AM	1.32	38	51	6.5	7.7	31	Yes	4000
03/05/24	6:00 AM	1.33	39	52	6.7	7.7	31	Yes	3767
03/06/24	6:00 AM	1.29	28	36	5.4	7.7	33	Yes	5325
03/07/24	6:00 AM	1.07	63	67	5.6	7.8	33	Yes	2398
03/08/24	6:00 AM	1.27	36	46	6.2	7.7	31	Yes	4220
03/09/24	6:00 AM	1.22	50	61	8.0	7.8	29	Yes	3002
03/10/24	6:00 AM	1.39	39	55	6.9	7.8	32	Yes	3794
03/11/24	6:00 AM	1.36	60	82	7.2	8.1	35	Yes	2510
03/12/24	6:00 AM	1.31	84	110	7.3	8.0	33	Yes	1803
03/13/24	6:00 AM	1.24	101	125	7.1	8.1	35	Yes	1557
03/14/24	6:00 AM	1.23	112	138	7.5	7.7	29	Yes	1380
03/15/24	6:00 AM	1.31	39	52	8.4	7.7	28	Yes	3786
03/16/24	6:00 AM	1.26	118	148	8.8	7.8	28	Yes	1269
03/17/24	6:00 AM	1.15	63	73	7.9	7.7	28	Yes	2364
03/18/24	6:00 AM	1.33	48	64	8.3	7.7	28	Yes	3205
03/19/24	6:00 AM	1.31	59	78	8.1	7.6	27	Yes	2575
03/20/24	6:00 AM	1.30	39	51	9.0	7.9	29	Yes	3813
03/21/24	6:00 AM	1.49	27	40	8.6	7.6	27	Yes	5459
03/22/24	6:00 AM	1.35	54	73	9.1	7.6	26	Yes	2766
03/23/24	6:00 AM	1.25	57	72	8.6	7.6	26	Yes	2664
03/24/24	6:00 AM	1.30	33	43	9.0	7.6	26	Yes	4666
03/25/24	6:00 AM	1.31	31	40	8.6	7.6	26	Yes	4929
03/26/24	6:00 AM	1.43	30	43	8.8	7.6	26	Yes	4864
03/27/24	6:00 AM	1.30	33	43	8.6	7.7	27	Yes	4349
03/28/24	6:00 AM	1.25	28	36	8.5	7.7	28	Yes	5185
03/29/24	6:00 AM	1.32	35	46	9.3	7.6	25	Yes	4206
03/30/24	6:00 AM	1.35	26	35	9.5	7.6	25	Yes	5647
03/31/24	6:00AM	1.38	37	52	8.2	7.6	27	Yes	3887

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