

OHA - DWS

Membrane Filter Monthly Operating Report

County: Clackamas

System Name: North Clackamas County

Month/Year: Dec-2023

PWS ID#: 41 - 00580

Minimum test pressure applied || req'd: 13.12 psi || 12.72 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_{Max} [^{psi}/_{min}]

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 [^{psi} / _{min}]	Lowest LRV _{ambient} of day [log removal]	[Y/N] or "off"
1	0.040	0.04	0.040	0.255	4.24	yes
2	0.040	0.05	0.050	0.255	4.20	yes
3	0.050	0.06	0.060	0.255	4.19	yes
4	0.050	0.09	0.060	0.255	4.20	yes
5	0.050	0.08	0.060	0.255	4.18	yes
6	0.040	0.06	0.060	0.255	4.17	yes
7	0.040	0.05	0.050	0.255	4.19	yes
8	0.040	0.06	0.060	0.255	4.21	yes
9	0.040	0.06	0.060	0.202	4.22	yes
10	0.040	0.06	0.060	0.255	4.21	yes
11	0.040	0.07	0.050	0.255	4.19	yes
12	0.040	0.06	0.050	0.255	4.19	yes
13	0.040	0.06	0.050	0.255	4.20	yes
14	0.050	0.06	0.060	0.255	4.25	yes
15	0.050	0.06	0.060	0.255	4.20	yes
16						off
17	0.050	0.06	0.060	0.255	4.20	yes
18	0.050	0.06	0.060	0.255	4.19	yes
19	0.050	0.06	0.060	0.255	4.19	yes
20						off
21						off
22						off
23						off
24						off
25	0.050	0.06	0.060	0.211	4.22	yes
26						off
27						off
28						off
29						off
30	0.030	0.05	0.050	0.211	4.45	yes
31	0.030	0.05	0.050	0.213	4.45	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
 SIGNATURE: Joe Rogers
 Notes:

DATE: 1-1-24
 WT CERT #: 61502 T-09162
 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: December 2023								
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	0.04	N/A	N/A	N/A	0.04	
2	N/A	N/A	0.04	N/A	N/A	N/A	0.04	
3	N/A	N/A	0.08	N/A	N/A	N/A	0.08	
4	N/A	N/A	0.08	N/A	N/A	N/A	0.08	
5	N/A	N/A	0.09	N/A	N/A	N/A	0.09	
6	N/A	N/A	0.08	N/A	N/A	N/A	0.08	
7	N/A	N/A	0.04	N/A	N/A	N/A	0.04	
8	N/A	N/A	0.05	N/A	N/A	N/A	0.05	
9	N/A	N/A	0.05	N/A	N/A	N/A	0.05	
10	N/A	N/A	0.09	N/A	N/A	N/A	0.09	
11	N/A	N/A	0.06	N/A	N/A	N/A	0.06	
12	N/A	N/A	0.06	N/A	N/A	N/A	0.06	
13	N/A	N/A	0.06	N/A	N/A	N/A	0.06	
14	N/A	N/A	0.04	N/A	N/A	N/A	0.04	
15	N/A	N/A	0.03	N/A	N/A	N/A	0.03	
16	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN	
17	N/A	N/A	0.07	N/A	N/A	N/A	0.07	
18	N/A	N/A	0.05	N/A	N/A	N/A	0.05	
19	N/A	N/A	0.04	N/A	N/A	N/A	0.04	
20	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN	
21	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN	
22	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN	
23	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN	
24	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN	
25	N/A	N/A	0.08	N/A	N/A	N/A	0.08	
26	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN	
27	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN	
28	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN	
29	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN	
30	N/A	N/A	0.05	N/A	N/A	N/A	0.05	
31	N/A	N/A	0.03	N/A	N/A	N/A	0.03	
Slow Sand/Membrane/DE Filtration/ Unfiltered				Monthly Summary				
95% of daily turbidity readings ≤ 1 NTU? YES All daily readings ≤ 5 NTU? YES				CT's met everyday? (see back) YES		All CL2 residual at entry point ≥ 0.2 mg/l? YES		
Notes:				PRINTED NAME: Joe Rogers				
				SIGNATURE 			DATE 1/1/24	
				PHONE #: (503) -723-3509			CERT #: T-09162	

OHA - Drinking Water Program - Surface Water Quality Data Form

NORTH CLACKAMAS COUNTY WC ID#: OR4100580 WTP-: WTP-B2 Month/Year: December 2023

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)
12/01/23	6:00 AM	1.46	114	167	7.1	7.5	28	Yes	1356
12/02/23	6:00 AM	1.32	51	67	7.3	7.6	28	Yes	2933
12/03/23	6:00 AM	1.39	34	47	7.7	7.5	27	Yes	4444
12/04/23	6:00 AM	1.46	43	62	9.0	7.7	27	Yes	3498
12/05/23	6:00 AM	1.49	39	58	9.8	7.7	26	Yes	3858
12/06/23	6:00 AM	1.54	36	56	10.2	7.5	23	Yes	4190
12/07/23	6:00 AM	1.58	35	55	10.4	7.5	23	Yes	4238
12/08/23	6:00 AM	1.58	35	55	10.2	7.5	24	Yes	4280
12/09/23	6:00 AM	1.60	33	52	9.2	7.5	25	Yes	4443
12/10/23	6:00 AM	1.34	35	47	9.8	7.8	26	Yes	4348
12/11/23	6:00 AM	1.33	35	47	9.3	7.8	27	Yes	4261
12/12/23	6:00 AM	1.47	39	58	9.1	7.9	29	Yes	3853
12/13/23	6:00 AM	1.41	30	42	9.1	7.8	28	Yes	4973
12/14/23	6:00 AM	1.36	46	63	9.2	7.8	27	Yes	3189
12/15/23	6:00 AM	1.36	56	76	8.9	7.7	27	Yes	2612
12/16/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
12/17/23	6:00 AM	1.37	120	165	6.7	7.9	33	Yes	1291
12/18/23	6:00 AM	1.27	36	46	8.2	8.0	31	Yes	4073
12/19/23	6:00 AM	1.35	119	161	8.0	8.1	33	Yes	1304
12/20/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
12/21/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
12/22/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
12/23/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
12/24/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
12/25/23	6:00 AM	1.34	111	149	8.1	8.1	33	Yes	1325
12/26/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
12/27/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
12/28/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
12/29/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
12/30/23	6:00 AM	1.63	83	136	7.8	8.0	34	Yes	1859
12/31/23	6:00AM	1.39	113	156	8.4	8.3	35	Yes	1344

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