

OHA - DWS

Membrane Filter Monthly Operating Report

County: **Clackamas**

System Name: **North Clackamas County**

Month/Year: **Jan-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_{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						OFF
2						OFF
3						OFF
4						OFF
5						OFF
6	0.050	0.05	0.070	0.213	4.42	YES
7	0.040	0.05	0.070	0.221	4.22	YES
8	0.040	0.05	0.070	0.218	4.19	YES
9	0.040	0.05	0.060	0.219	4.20	YES
10	0.040	0.05	0.060	0.228	4.20	YES
11	0.030	0.06	0.060	0.228	4.21	YES
12	0.040	0.06	0.060	0.207	4.22	YES
13	0.040	0.06	0.060	0.233	4.22	YES
14	0.050	0.06	0.060	0.231	4.20	YES
15	0.050	0.06	0.060	0.231	4.20	YES
16	0.050	0.06	0.060	0.231	4.20	YES
17	0.050	0.06	0.060	0.243	4.21	YES
18	0.040	0.09	0.060	0.243	4.19	YES
19	0.040	0.08	0.060	0.260	4.20	YES
20	0.040	0.08	0.080	0.256	4.17	YES
21	0.060	0.07	0.070	0.253	4.17	YES
22	0.050	0.08	0.060	0.253	4.16	YES
23	0.050	0.07	0.070	0.253	4.17	YES
24	0.060	0.07	0.070	0.253	4.17	YES
25	0.050	0.08	0.070	0.253	4.16	YES
26	0.050	0.08	0.070	0.253	4.16	YES
27	0.040	0.09	0.090	0.253	4.14	YES
28	0.040	0.08	0.080	0.253	4.15	YES
29	0.040	0.06	0.060	0.253	4.16	YES
30	0.040	0.06	0.060	0.253	4.17	YES
31	0.050	0.07	0.060	0.253	4.17	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	

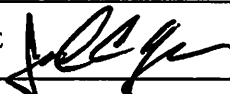
PRINTED NAME: **JOE ROGERS** DATE: **2/1/2024**
 SIGNATURE: *[Signature]* WT CERT #: **T-01962**
 Notes: PHONE #: **503-572-0129**

* 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: January 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	DOWN	N/A	N/A	N/A	DOWN
2	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN
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	0.05	N/A	N/A	N/A	0.05
7	N/A	N/A	0.04	N/A	N/A	N/A	0.04
8	N/A	N/A	0.04	N/A	N/A	N/A	0.04
9	N/A	N/A	0.08	N/A	N/A	N/A	0.08
10	N/A	N/A	0.09	N/A	N/A	N/A	0.09
11	N/A	N/A	0.09	N/A	N/A	N/A	0.09
12	N/A	N/A	0.07	N/A	N/A	N/A	0.07
13	N/A	N/A	0.05	N/A	N/A	N/A	0.05
14	N/A	N/A	0.04	N/A	N/A	N/A	0.04
15	N/A	N/A	0.06	N/A	N/A	N/A	0.06
16	N/A	N/A	0.09	N/A	N/A	N/A	0.09
17	N/A	N/A	0.08	N/A	N/A	N/A	0.08
18	N/A	N/A	0.08	N/A	N/A	N/A	0.08
19	N/A	N/A	0.07	N/A	N/A	N/A	0.07
20	N/A	N/A	0.06	N/A	N/A	N/A	0.06
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	0.07	N/A	N/A	N/A	0.07
24	N/A	N/A	0.08	N/A	N/A	N/A	0.08
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	0.09	N/A	N/A	N/A	0.09
28	N/A	N/A	0.04	N/A	N/A	N/A	0.04
29	N/A	N/A	0.04	N/A	N/A	N/A	0.04
30	N/A	N/A	0.06	N/A	N/A	N/A	0.06
31	N/A	N/A	0.08	N/A	N/A	N/A	0.08

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 2/1/24
	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: January 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)
01/01/24	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
01/02/24	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
01/03/24	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
01/04/24	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
01/05/24	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
01/06/24	6:00 AM	1.43	50	72	7.9	8.0	32	Yes	2894
01/07/24	6:00 AM	1.37	37	51	7.7	7.7	29	Yes	4122
01/08/24	6:00 AM	1.38	34	47	7.8	7.7	29	Yes	4402
01/09/24	6:00 AM	1.36	40	54	8.1	7.7	28	Yes	3814
01/10/24	6:00 AM	1.27	35	45	8.1	7.7	28	Yes	4313
01/11/24	6:00 AM	1.23	29	36	6.9	7.7	30	Yes	4985
01/12/24	6:00 AM	1.26	32	41	6.9	7.7	30	Yes	4600
01/13/24	6:00 AM	1.28	38	49	6.4	7.7	31	Yes	4014
01/14/24	6:00 AM	1.42	140	198	4.1	8.2	45	Yes	1084
01/15/24	6:00 AM	1.40	47	66	4.0	7.6	35	Yes	3160
01/16/24	6:00 AM	1.60	33	53	3.4	7.6	39	Yes	4525
01/17/24	6:00 AM	1.50	53	80	3.1	7.7	40	Yes	2921
01/18/24	6:00 AM	1.56	26	40	3.7	7.7	39	Yes	5742
01/19/24	6:00 AM	1.66	25	42	5.1	7.7	35	Yes	5880
01/20/24	6:00 AM	1.50	33	50	5.9	7.6	31	Yes	4414
01/21/24	6:00 AM	1.62	37	61	5.8	8.0	38	Yes	4042
01/22/24	6:00 AM	1.48	36	54	7.4	7.8	31	Yes	4210
01/23/24	6:00 AM	1.43	33	47	7.1	7.7	30	Yes	4639
01/24/24	6:00 AM	1.42	35	49	6.9	7.7	31	Yes	4422
01/25/24	6:00 AM	1.43	32	45	7.1	7.7	30	Yes	4830
01/26/24	6:00 AM	1.39	36	50	8.4	7.8	29	Yes	4270
01/27/24	6:00 AM	1.35	43	57	8.9	8.0	30	Yes	3555
01/28/24	6:00 AM	1.41	35	49	7.9	7.8	30	Yes	4353
01/29/24	6:00 AM	1.46	31	45	7.9	7.6	28	Yes	4838
01/30/24	6:00 AM	1.48	31	46	8.1	7.7	29	Yes	4950
01/31/24	6:00AM	1.45	42	61	8.2	8.0	32	Yes	3665

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