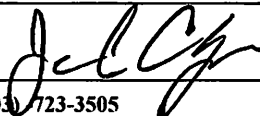


**OHA - Drinking Water Program - Turbidity Monitoring Report Form County: Clackamas
Slow Sand, Membrane, Diatomaceous Earth Filtration, or Unfiltered System**

System name: NORTH CLACKAMAS COUNTY WC ID # OR4100580 WTP:- WTP-B2 Month/Year: November 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	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	0.03	N/A	N/A	N/A	0.03	
6	N/A	N/A	0.04	N/A	N/A	N/A	0.04	
7	N/A	N/A	0.03	N/A	N/A	N/A	0.03	
8	N/A	N/A	0.06	N/A	N/A	N/A	0.06	
9	N/A	N/A	0.03	N/A	N/A	N/A	0.03	
10	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN	
11	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN	
12	N/A	N/A	0.02	N/A	N/A	N/A	0.02	
13	N/A	N/A	0.04	N/A	N/A	N/A	0.04	
14	N/A	N/A	0.05	N/A	N/A	N/A	0.05	
15	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN	
16	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN	
17	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN	
18	N/A	N/A	DOWN	N/A	N/A	N/A	DOWN	
19	N/A	N/A	0.07	N/A	N/A	N/A	0.07	
20	N/A	N/A	0.05	N/A	N/A	N/A	0.05	
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	0.04	N/A	N/A	N/A	0.04	
26	N/A	N/A	0.04	N/A	N/A	N/A	0.04	
27	N/A	N/A	0.06	N/A	N/A	N/A	0.06	
28	N/A	N/A	0.05	N/A	N/A	N/A	0.05	
29	N/A	N/A	0.05	N/A	N/A	N/A	0.05	
30	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 \leq 1 NTU? YES				CT's met everyday? (see back)		All CL2 residual at entry point \geq 0.2 mg/l?		
All daily readings \leq 5 NTU? YES				YES		YES		
Notes:				PRINTED NAME: Joe Rogers				
				SIGNATURE 			DATE 12/01/23	
				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: November 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)
11/01/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/02/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/03/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/04/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/05/23	6:00 AM	1.41	46	65	11.0	7.6	23	Yes	3256
11/06/23	6:00 AM	1.43	40	57	11.5	7.5	21	Yes	3805
11/07/23	6:00 AM	1.30	40	52	12.4	7.6	20	Yes	3762
11/08/23	6:00 AM	1.46	33	48	11.9	7.5	21	Yes	4577
11/09/23	6:00 AM	1.34	91	122	12.5	7.5	19	Yes	1615
11/10/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/11/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/12/23	6:00 AM	1.32	133	175	11.2	7.7	23	Yes	1154
11/13/23	6:00 AM	1.35	107	144	10.9	7.6	23	Yes	1432
11/14/23	6:00 AM	1.36	99	134	10.5	7.6	23	Yes	1535
11/15/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/16/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/17/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/18/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/19/23	6:00 AM	1.32	122	161	10.5	7.7	24	Yes	1238
11/20/23	6:00 AM	1.40	59	83	10.5	7.9	26	Yes	2723
11/21/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/22/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/23/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/24/23	6:00 AM	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	0
11/25/23	6:00 AM	1.23	78	96	8.4	7.6	27	Yes	1997
11/26/23	6:00 AM	1.32	136	179	8.1	7.7	28	Yes	1127
11/27/23	6:00 AM	1.40	57	80	8.5	7.7	28	Yes	2667
11/28/23	6:00 AM	1.34	113	151	8.2	7.8	29	Yes	1360
11/29/23	6:00 AM	1.28	122	156	8.1	8.2	34	Yes	1238
11/30/23	6:00 AM	1.34	102	137	7.7	7.6	28	Yes	1476

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

OHA - DWS

Membrane Filter Monthly Operating Report

County: **Clackamas**

System Name: **North Clackamas County**

Month/Year: **Nov-2023**

PWS ID#: 41 - **00580**

Minimum test pressure applied || req'd: 12.95 psi || 13.15 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

DIT Daily

PDR_{Max} [^{psi}/_{min}]	LRC [log removal]
0.484	4.00

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	0.040	0.08	0.070	0.24	4.18	
6	0.040	0.08	0.060	0.24	4.21	
7	0.040	0.07	0.060	0.24	4.20	
8	0.040	0.08	0.060	0.25	4.23	
9	0.050	0.05	0.050	0.25	4.28	
10						OFF
11						OFF
12	0.060	0.05	0.050	0.25	4.31	
13	0.060	0.05	0.050	0.25	4.31	
14	0.060	0.05	0.050	0.18	4.31	
15						OFF
16						OFF
17						OFF
18						OFF
19	0.070	0.07	0.050	0.26	4.22	
20	0.050	0.05	0.040	0.18	4.27	
21						OFF
22						OFF
23						OFF
24						OFF
25	0.050	0.05	0.050	0.18	4.51	
26	0.080	0.05	0.050	0.17	4.22	
27	0.050	0.06	0.050	0.26	4.27	
28	0.050	0.06	0.050	0.26	4.26	
29	0.060	0.06	0.060	0.18	4.29	
30	0.050	0.05	0.050	0.18	4.27	

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: **11-30-23**
 SIGNATURE: *Joe Rogers* WT CERT #: **T-09162**
 Notes: *Jul C...* PHONE #: **503-572-0129**

♣ Used for optimization purposes only.