

Membrane Filter Monthly Operating Report

County: Marion

System Name: Detroit Water System

Month/Year:

PWS ID#: 41 - 00257

Minimum test pressure applied || req'd: 17.48 psi || 17.48 psi

Plant ID: WTP - A (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

0.080

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	6	6	.0159	.0159	4.603	
2	5	5	.0158	.0158	4.602	
3	.5	.5	.0159	.0159	4.602	
4	.4	.5	.0159	.0159	4.602	
5	.6	.6	.0159	.0159	4.602	
6	.1	.1	.0159	.0159	4.602	
7	.1	.1	.0160	.0160	4.603	
8	.0	.0	.0160	.0160	4.603	
9	1.0		.0160	.0160	3.629	
10	1.0		.0161	.0161	4.602	
11	1.0		.0161	.0161	4.622	
12	1.1		.0161	.0161	4.467	
13	.8		.0161	.0161	4.606	
14	.3		.0161	.0161	4.625	
15	.6		.0161	.0161	4.592	
16	.1		.0158	.0158	4.622	
17	.2		.0158	.0158	4.618	
18	.2		.0159	.0159	4.618	
19	.2		.0158	.0158	4.606	
20	.1		.0159	.0159	3.108	
21	.8		.0158	.0158	3.10	
22	.6		.0158	.0158	4.48	
23	.4		.0159	.0159	4.477	
24	.1		.0160	.0160	4.488	
25	.0		.0184	.0184	3.250	
26	.3		.0163	.0163	4.476	
27	1.3		.0161	.0161	3.274	
28	1.1		.0161	.0161	4.453	
29	.8		.0163	.0163	4.436	
30	.6		.0161	.0161	4.433	
31	.7		.0161	.0161	4.509	

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?
CT's met daily? (p. 2)	All Cl ₂ residual at EP ≥ 0.2 mg/L?	PDR ≤ PDR _{Max} ?	LRV _{ambient} ≥ LRC?	

PRINTED NAME: Robert Bruce

SIGNATURE: Robert Bruce

Notes:

DATE: 6.6.25

WT CERT #: 7136

PHONE #: 503-854-3496

OHA - DWS

Membrane Filter Monthly Operating Report

County: Marion

System Name: Detroit Water System

Month/Year:

PWS ID#: 41 - 00257

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PDR_{Max} [psi/min]

LRC [log removal]

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0.080

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					5.249	
2					5.323	
3					5.421	
4					5.32	
5					5.316	
6					5.32	
7					5.354	
8					5.334	
9	.04		.0565	.025	5.235	
10	.02		.05104	.025	5.235	
11	.02		.0590	.025	5.325	
12	.02		.0606	.025	5.313	
13	.02		.0650	.025	2.885	
14					5.266	
15	.02		.0881	.025	5.265	
16	.01		.0933	.025	5.12	
17	.02		.1001	.025	5.128	
18	.02		.1123	.025	5.125	
19	.03		.1220	.025	5.09	
20	.03		.0160	.025	5.096	
21	.02		.1535	.031	5.066	
22	.02		.0539	.034	5.12	
23	.02		.0589	.028	5.15	
24	.02		.0635	.034	5.147	
25	.02		.06876	.030	5.152	
26	.03		.0755	.034	5.22	
27	.02		.0908	.036	5.358	
28	.03		.0916	.038	5.346	
29	.03		.0117	.034	5.345	
30	.03		.0115	.032	5.298	
31	.03		.1259	.031	5.3	

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?
CT's met daily? (p. 2)	All Cl ₂ residual at EP ≥ 0.2 mg/L?	PDR ≤ PDR _{Max} ?	LRV _{ambient} ≥ LRC?	

PRINTED NAME: Robert Bruce
 SIGNATURE: *Robert Bruce*
 Notes:

DATE: 6.6.2025
 WT CERT #: 7136
 PHONE #: 503-854-3496

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OHA - Drinking Water Services - Surface Water Quality Data Form

WTP- :

Disinfection Giardia Log

System Name:

ID#: 41

Month/Year: May/2025

Inactiv:

0.5

Date / Time	Minimum Cl ₂ Residual at 1st User (C) ³	Contact Time (T)	Actual CT	Temp	pH	Required CT	CT Met? ³	Peak Hourly Demand Flow
	[ppm or mg/L]	[minutes]	C X T	[° C]		formula	Yes / No	[GPM]
1	1.3	66	85	11.1	7.4	23	yes	70
2	1.4	66	92	12.1	7.4	23	yes	175
3	1.3	66	85	11.9	7.3	23	yes	205
4	1.3	66	85	11.1	7.4	23	yes	170
5	1.3	66	85	11.0	7.4	23	yes	250
6	1.1	66	72	11.3	7.3	22	yes	250
7	1.1	66	72	12.2	7.4	22	yes	180
8	1.1	66	72	11.8	7.4	22	yes	200
9	1.0	66	66	12.0	7.4	22	yes	250
10	1.2	66	79	12.1	7.4	23	yes	275
11	1.2	66	79	11.8	7.5	23	yes	265
12	1.2	66	79	11.8	7.5	23	yes	235
13	1.2	66	79	13.3	7.4	23	yes	330
14	1.2	66	79	13.8	7.4	28	yes	250
15	1.1	66	72	14.3	7.9	29	yes	220
16	1.3	66	85	13.5	7.6	28	yes	300
17	1.2	66	79	14.4	7.7	28	yes	300
18	1.0	66	66	14.1	7.6	22	yes	165
19	1.1	66	72	12.5	7.5	22	yes	165
20	1.2	66	79	12.0	7.4	22	yes	130
21	1.2	66	79	11.6	7.4	22	yes	170
22	1.2	66	79	12.8	7.4	22	yes	200
23	1.3	66	85	12.1	7.4	23	yes	360
24	1.2	66	79	11.8	7.4	22	yes	280
25	1.3	66	85	12.0	7.4	23	yes	360
26	1.3	66	85	12.9	7.5	23	yes	350
27	1.3	66	85	12.6	7.5	23	yes	250
28	1.2	66	79	13.5	7.5	23	yes	260
29	1.2	66	79	13.9	7.5	23	yes	240
30	1.2	66	79	14.1	7.5	23	yes	320
31	1.2	66	79	14.4	7.4	23	yes	330

³ If Cl₂ at entry point < 0.2 mg/l or CT not met, notify DWS within 24 hours.

Revised November 2022

Return by 10th of following month by email, fax, or mail to:

dwp.dmce@oha.oregon.gov; 971-673-0694; or Drinking Water Services, PO Box 14350, Portland, OR 97293-0350

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OHA - Drinking Water Services - Surface Water Quality Data Form
Slow Sand, Membrane, Diatomaceous Earth Filtration, or Unfiltered Systems

County: Marion
Month/Year: May/2025

System Name:	ID#: 41						WTP: TP -
Day	12 AM [NTU]	4 AM [NTU]	8 AM [NTU]	NOON [NTU]	4 PM [NTU]	8 PM [NTU]	Highest Reading of the day ¹ [NTU]
1							
2							
3							
4							
5							
6							
7							
8							
9				0.01	0.01	0.01	0.01
10	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	0.01		0.01	0.01			0.01
12		0.01	0.01			0.01	0.01
13	0.01	0.01	0.01				0.01
14							
15				0.01	0.01	0.01	0.01
16	0.01		0.01	0.01	0.01	0.01	0.01
17			0.01				0.01
18	0.01	0.01	0.01	0.01	0.01		0.01
19			0.01	0.01			0.01
20				0.01	0.01	0.01	0.01
21	0.01		0.01				0.01
22		0.01	0.01				0.01
23	0.01		0.01		0.01	0.01	0.01
24			0.01	0.01	0.01	0.01	0.01
25	0.01		0.01	0.01	0.01	0.01	0.01
26			0.01	0.01			0.01
27			0.01	0.01		0.01	0.01
28	0.01	0.01	0.01		0.01	0.01	0.01
29			0.01				0.01
30			0.01		0.01	0.01	0.01
31	0.01		0.01		0.01	0.01	0.01

Slow Sand/Membrane/DE Filtration/Unfiltered 95% of daily turbidity readings ≤ 1 NTU? ² <u>Yes</u> / No All daily turbidity readings ≤ 5 NTU? <u>Yes</u> / No		Monthly Summary (Answer Yes or No) CT's met everyday? (see back) <u>Yes</u> / No All Cl2 residual at entry point ≥ 0.2 mg/l? <u>Yes</u> / No	
Notes:		PRINTED NAME: <u>Robert Bruce</u> SIGNATURE: <u>Robert Bruce</u> DATE: <u>6-6-25</u> PHONE #: <u>503 854-3496</u> CERT #: <u>7136</u>	

¹ Including continuous NTU data, if applicable, for optimization recording purposes. Compliance values in columns 12 AM through 8 PM may not correspond to continuous readings' maximum. ² F1

OHA - Drinking Water Services - Surface Water Quality Data Form
Slow Sand, Membrane, Diatomaceous Earth Filtration, or Unfiltered Systems

County: Marion
 Month/Year: May/2025
 WTP: TP -

System Name:

ID#: 41

Day	12 AM [NTU]	4 AM [NTU]	8 AM [NTU]	NOON [NTU]	4 PM [NTU]	8 PM [NTU]	Highest Reading of the day ¹ [NTU]
1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2	0.01	0.01	0.01	0.01	0.01	0.01	0.01
3	0.01	0.01	0.01	0.01	0.01	0.01	0.01
4	0.01	0.01	0.01	0.01		0.01	0.01
5	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6	0.01	0.01	0.01	0.01	0.01		0.01
7	0.01	0.01	0.01	0.01	0.01	0.01	0.01
8	0.01		0.01				0.01
9				0.01			0.01
10		0.01	0.01			0.01	0.01
11	0.01		0.01				0.01
12	0.01	0.01	0.01				0.01
13	0.01	0.01	0.01			0.01	0.01
14	0.01	0.01	0.01				0.01
15			0.01	0.01	0.01	0.01	0.01
16	0.01	0.01	0.01	0.01	0.01	0.01	0.01
17	0.01	0.01	0.01	0.01	0.01		0.01
18				0.01	0.01	0.01	0.01
19	0.01	0.01	0.01	0.01	0.01	0.01	0.01
20				0.01	0.01	0.01	0.01
21	0.01	0.01	0.01	0.01	0.01	0.01	0.01
22	0.01	0.01	0.01	0.01	0.01	0.01	0.01
23	0.01	0.01	0.01		0.01	0.01	0.01
24	0.01	0.01	0.01	0.01	0.01	0.01	0.01
25	0.01	0.01	0.01	0.01	0.01	0.01	0.01
26	0.01	0.01	0.01	0.01	0.01	0.01	0.01
27	0.01	0.01	0.01	0.01	0.01	0.01	0.01
28	0.01	0.01	0.01	0.01	0.01	0.01	0.01
29	0.01	0.01	0.01	0.01	0.01	0.01	0.01
30		0.01	0.01	0.01	0.01	0.01	0.01
31	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Slow Sand/Membrane/DE Filtration/Unfiltered

95% of daily turbidity readings $\leq$ 1 NTU? ² ☒ Yes / No
 All daily turbidity readings $\leq$ 5 NTU? ☒ Yes / No

Monthly Summary (Answer Yes or No)

CT's met everyday? (see back) ☒ Yes / No
 All Cl2 residual at entry point $\geq$ 0.2 mg/l? ☒ Yes / No

Notes:

PRINTED NAME: Robert Bruce

SIGNATURE: Robert Bruce

DATE: 6.6.2025

PHONE #: (503) 854-3496

CERT #: 7136

¹ Including continuous NTU data, if applicable, for optimization recording purposes. Compliance values in columns 12 AM through 8 PM may not correspond to continuous readings' maximum. ² Filtered systems only.