OHA - DWS

Membrane Filter Monthly Operating Report

County: **Marion**

System Name: **Detroit Water System**

Month/Year: **Jul-2025**

PWS ID#: 41 - **00257**

Plant ID: WTP - **A** *(e.g., "A")*

Minimum test pressure **applied**: **17.48** psi

Minimum test pressure **req'd**: **17.48** psi

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]	DIT Daily
0.080	4.00	

Day	CFE Daily Turbidity [NTU]	Highest CFE♣ [NTU]	Highest IFE [NTU] (>15 minutes)	Highest PDR of day [$^{psi}/_{min}$]	Lowest $LRV_{ambient}$ of day [log removal]	[Y/N] or "off"
1	0.045		0.045	0.029	4.43	
2	0.050		0.050	0.029	4.48	
3	0.055		0.055	0.034	4.44	
4	0.061		0.061	0.032	4.50	
5	0.068		0.068	0.036	4.48	
6	0.078		0.078	0.034	4.49	
7	0.087		0.087	0.033	4.50	
8	0.099		0.099	0.033	4.44	
9	0.104		0.104	0.033	4.48	
10	0.019		0.019	0.028	4.61	
11	0.020		0.020	0.024	4.59	
12	0.022		0.022	0.024	4.60	
13	0.024		0.024	0.032	4.50	
14	0.027		0.027	0.033	4.42	
15	0.031		0.031	0.033	4.55	
16	0.037		0.037	0.030	4.49	
17	0.047		0.047	0.032	4.50	
18	0.057		0.057	0.032	4.47	
19	0.068		0.068	0.032	4.49	
20	0.084		0.084	0.024	4.54	
21	0.096		0.096	0.035	4.46	
22	0.102		0.102	0.035	4.51	
23	0.023		0.023	0.030	4.52	
24	0.025		0.025	0.030	4.57	
25	0.028		0.028	0.032	4.55	
26	0.031		0.031	0.036	4.44	
27	0.035		0.035	0.036	4.46	
28	0.041		0.041	0.028	4.54	
29	0.049		0.049	0.034	4.48	
30	0.058		0.058	0.034	4.48	
31	0.072		0.072	0.031	4.48	

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] ($PDR \le PDR_{Max}$, $LRV \ge LRC$)	DIT Daily?
Yes	**Yes**	**Yes**	**Yes**	

CT's met daily? (p. 2)	All Cl_2 residual at EP ≥ 0.2 $^{mg}/_{L}$?	$PDR \le PDR_{Max}$?	$LRV_{ambient} \ge LRC$?
		Yes	**Yes**

PRINTED NAME: Robert Bruce

SIGNATURE: Robert Bruce

DATE: 8-4-2025

WT CERT #: 7136

PHONE #: 503-854-3496

Notes:

♣ *Used for optimization purposes only.*

OHA - Drinking Water Services - Surface Water Quality Data Form
Slow Sand, Membrane, Diatomaceous Earth Filtration, or Unfiltered Systems SW2

County: Marion
Month/Year: July / 2025

System Name: Detroit **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	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
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
6	0.01	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	0.01	0.01
9		0.01	0.01				0.01
10			0.01	0.01	0.01	0.01	0.01
11			0.01	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	0.01	0.01
14			0.01	0.01		0.01	0.01
15			0.01	0.01			0.01
16			0.01	0.01		0.01	0.01
17			0.01	0.01	0.01	0.01	0.01
18	0.01	0.01	0.01		0.01	0.01	0.01
19			0.01	0.01		0.01	0.01
20	0.01	0.01	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
23		0.01	0.01	0.01	0.01	0.01	0.01
24			0.01	0.01		0.01	0.01
25				0.01	0.01	0.01	0.01
26	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
29		0.01	0.01	0.01	0.01	0.01	0.01
30			0.01	0.01	0.01		0.01
31		0.01	0.01	0.01	0.01	0.01	0.01

Slow Sand/Membrane/DE Filtration/Unfiltered		Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings ≤ 1 NTU? [2]	(Yes) / No	CT's met everyday? (see back)	All Cl2 residual at entry point ≥ 0.2 mg/l?
All daily turbidity readings ≤ 5 NTU?	(Yes) / No	(Yes) / No	(Yes) / No

Notes:

PRINTED NAME: Robert Bruce
SIGNATURE: Robert Bruce DATE: 8 · 4 · 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.

OHA - Drinking Water Services - Surface Water Quality Data Form (5401)
Slow Sand, Membrane, Diatomaceous Earth Filtration, or Unfiltered Systems

County: Marion
Month/Year: July 2025

System Name: Detroit 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	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	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	0.01
7	0.01	0.01	0.01	0.01	0.01	0.01	0.01
8	0.01		0.01	0.01	0.01	0.01	0.01
9	0.01	0.01	0.01	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	0.01	0.01	0.01
12	0.01	0.01	0.01	0.01	0.01	0.01	0.01
13	0.01	0.01	0.01	0.01	0.01	0.01	0.01
14	0.01	0.01	0.01	0.01	0.01	0.01	0.01
15	0.01	0.01	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
18	0.01	0.01	0.01	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	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
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
29	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

Slow Sand/Membrane/DE Filtration/Unfiltered

95% of daily turbidity readings ≤ 1 NTU? [2] (Yes) / No

All daily turbidity readings ≤ 5 NTU? (Yes) / No

Monthly Summary (Answer Yes or No)

CT's met everyday? (see back) (Yes) / No

All Cl2 residual at entry point ≥ 0.2 mg/l? (Yes) / No

Notes:

PRINTED NAME: Robert Bruce

SIGNATURE: Robert Bruce DATE: 8-4-2025

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.

OHA - Drinking Water Services - Surface Water Quality Data Form

WTP- :

System Name: Detroit ID#: 41 Month/Year: July 2025 Disinfection *Giardia* Log 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	.8	66	52	18.0	7.6	18	yes	340
2	.8	66	52	17.3	7.6	18	yes	340
3	.8	66	52	18.0	7.7	18	yes	340
4	.8	66	52	17.0	7.7	18	yes	355
5	.8	666	52	16.1	7.8	18	Yes	385
6	.7	66	46	15.9	7.8	17	Yes	400+
7	.7	66	46	17.8	7.8	17	yes	400+
8	.7	66	46	17.8	7.8	17	yes	350
9	.7	66	46	18.4	7.6	17	yes	350
10	.8	66	52	19.1	7.6	18	yes	365
11	.8	66	52	19.1	7.6	18	yes	400 +
12	.8	66	52	18.0	7.5	18	Yes	400+
13	.8	66	52	18.4	7.4	18	Yes	375
14	.8	66	52	20.5	7.4	13	yes	375
15	.8	66	52	20.7	7.5	18	yes	360
16	.8	66	52	20.1	7.3	13	yes	360
17	.8	66	52	20.1	7.3	13	yes	340
18	.7	66	46	18.5	7.5	18	yes	380
19	.7	66	46	18.4	7.6	18	Yes	400+
20	.7	66	46	19.5	7.8	18	Yes	380
21	.7	66	46	17.7	7.8	18	Yes	400
22	.7	66	46	18.1	7.9	18	Yes	350
23	.7	66	46	18.0	7.8	18	yes	365
24	.7	66	46	18.2	7.7	18	yes	355
25	.7	66	46	19.9	7.7	18	yes	380
26	.8	666	52	18.8	7.8	18	Yes	400+
27	.7	66	46	17.8	7.8	18	Yes	370
28	.7	66	46	17.5	7.9	18	yes	400
29	.7	66	46	18.2	7.9	18	yes	360
30	.7	66	46	19.1	7.8	18	yes	400
31	.7	66	46	19.6	7.9	18	yes	340

[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