

OHA - DWS

Membrane Filter Monthly Operating Report

County: **Marion**

System Name: **Detroit Water System**

Month/Year: **Oct-2025**

PWS ID#: 41 - **00257**

Minimum test pressure applied: **17.48** psi

Plant ID: WTP - **A**

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

(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]

0.080

LRC [log removal]

4.00

DIT
Daily

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	0.103		0.103	0.026	4.36	
2	0.125		0.125	0.021	4.62	
3	0.135		0.135	0.019	4.68	
4	0.023		0.023	0.028	4.53	
5	0.024		0.024	0.028	4.52	
6	0.024		0.024	0.028	4.53	
7	0.025		0.025	0.029	4.54	
8	0.026		0.026	0.029	4.55	
9	0.028		0.028	0.026	4.60	
10	0.029		0.029	0.024	4.64	
11	0.031		0.031	0.027	4.58	
12	0.033		0.033	0.028	4.57	
13	0.022		0.022	0.028	4.55	
14	0.043		0.043	0.028	4.56	
15	0.043		0.043	0.028	4.56	
16	0.043		0.043	0.026	4.59	
17	0.043		0.043	0.027	4.57	
18	0.043		0.043	0.027	4.57	
19	0.043		0.043	0.028	4.60	
20	0.043		0.043	0.028	4.61	
21	0.043		0.043	0.027	4.61	
22	0.059		0.059	0.029	4.58	
23	0.113		0.113	0.029	4.58	
24	0.022		0.022	0.025	4.60	
25	0.022		0.022	0.026	4.61	
26	0.023		0.023	0.026	4.61	
27	0.023		0.023	0.024	4.64	
28	0.022		0.022	0.023	4.67	
29	0.022		0.022	0.024	4.65	
30	0.022		0.022	0.024	4.65	
31	0.022		0.022	0.021	4.69	

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?
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: **Robert Bruce** DATE: **11-7-25**

SIGNATURE: *Robert Bruce* WT CERT #: **7136-25**

Notes: PHONE #: **503-854-3496**

OHA - Drinking Water Program – Surface Water Quality Data Form - *Giardia* Inactivation

Name: City of Detroit ID #41: _____ WTP-: _____ Month/Year: 10-25 Log Requirement (Circle One): 0.5 1.0

Date / Time	Minimum Cl ₂ Residual at 1 st 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]		Use tables	Yes / No	[GPM]
1 /	.9	66	59	14.7	8.0	26	yes	
2 /	.9	66	59	14.6	8.0	26	yes	
3 /	.9	66	59	14.8	8.0	26	yes	
4 /	.8	66	53	14.8	8.0	26	yes	
5 /	.9	66	59	14.5	8.0	26	yes	
6 /	.9	66	59	13.8	8.0	26	yes	
7 /	.8	66	53	13.5	8.0	26	yes	
8 /	.8	66	53	13.5	8.0	26	yes	
9 /	.8	66	53	14.0	8.0	26	yes	
10 /	.8	66	53	14.1	8.0	26	yes	
11 /	.7	66	46	13.5	8.0	26	yes	
12 /	.55	66	33	14.1	8.0	26	yes	
13 /	.40	66	26	12.5	8.0	26	yes	
14 /	.5	66	33	13.3	8.0	26	yes	
15 /	.5	66	33	13.6	8.0	26	yes	
16 /	.5	66	33	12.8	8.0	26	yes	
17 /	.6	66	39	12.7	8.0	26	yes	
18 /	.8	66	53	14.7	7.8	26	yes	
19 /	1.0	66	66	16.7	7.6	15	yes	
20 /	.9	66	59	16.2	7.6	18	yes	
21 /	.5	66	33	15.3	7.5	17	yes	
22 /	.5	66	33	15.3	7.6	17	yes	
23 /	.5	66	33	15.4	7.6	17	yes	
24 /	.8	66	53	13.8	7.2	18	yes	
25 /	1.0	66	66	14.0	7.1	19	yes	
26 /	1.2	66	79.2	13.5	7.1	19	yes	
27 /	1.0	66	66	16.5	7.3	18	yes	
28 /	1.0	66	66	12.0	6.7	19	yes	
29 /	1.0	66	66	12.1	6.8	19	yes	
30 /	1.2	66	79	14.9	7.0	19	yes	
31 /	1.2	66	79	14.8	7.0	19	yes	

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

Revised November 2022

Download form at: public.health.oregon.gov/HealthyEnvironments/DrinkingWater/Monitoring/Documents/turb-conv-direct.pdf

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

OHA - Drinking Water Services – Turbidity Monitoring Report Form County: Michigan
Slow Sand, Membrane, Diatomaceous Earth Filtration or Unfiltered Systems

System Name: Detroit Water System **ID #:** 00257 **WTP-:** A **Month/Year:** 10-25

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
2	0.01			0.01	0.01		0.01
3				0.01			0.01
4				0.01	0.01		0.01
5				0.01			0.01
6	0.01				0.01		0.01
7				0.01		0.01	0.01
8						0.01	0.01
9	0.01			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
14			0.01	0.01		0.01	0.01
15	0.01						0.01
16	0.01						0.01
17				0.01	0.01		0.01
18					0.01	0.01	0.01
19	0.01	0.01	0.01				0.01
20							
21				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	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
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
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 Monthly Summary 95% of daily turbidity readings ≤ 1 NTU? ² <u>Yes</u> / No All daily turbidity readings ≤ 5 NTU? <u>Yes</u> / No Notes:	Monthly Summary (Answer Yes or No)	
	CT's met everyday? (see back) <u>Yes</u> / No	All Cl ₂ residual at entry point ≥ 0.2 mg/l? <u>Yes</u> / No
	PRINTED NAME: <u>Robert Bruce</u>	
	SIGNATURE: <u>Robert Bruce</u>	DATE: <u>11-7-25</u>
	PHONE #: <u>(63) 854-3496</u>	CERT #: <u>7136</u>

¹ Including continuous turbidity 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 – Turbidity Monitoring Report Form County: Marion
Slow Sand, Membrane, Diatomaceous Earth Filtration or Unfiltered Systems

System Name: Detroit Water System **ID #:** 00257 **WTP:-** A **Month/Year:** 10-25

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
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	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
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	0.01	0.01
18	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	0.01
21	0.01	0.01	0.01	0.01			0.01
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

Slow Sand Membrane/DE Filtration/Unfiltered Monthly Summary 95% of daily turbidity readings ≤ 1 NTU? ² <u>Yes</u> / No All daily turbidity readings ≤ 5 NTU? <u>Yes</u> / No Notes:	Monthly Summary (Answer Yes or No)	
	CT's met everyday? (see back) <u>Yes</u> / No	All Cl ₂ residual at entry point ≥ 0.2 mg/l? <u>Yes</u> / No
	PRINTED NAME: <u>Robert Bruce</u>	
	SIGNATURE: <u>Robert Bruce</u>	DATE: <u>11-2-25</u>
	PHONE #: <u>(503) 854-3496</u>	CERT #: <u>7136</u>

¹ Including continuous turbidity 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.