

OHA - DWS

Membrane Filter Monthly Operating Report

County: **Marion**

System Name: **Detroit Water System**

Month/Year: **Nov-2025**

PWS ID#: 41 - **00257**

Minimum test pressure applied: **17.48** psi

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

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

Day	CFE Daily Turbidity [NTU]	Highest CFE* [NTU]	Highest IFE [NTU] (>15 minutes)	PDR _{Max} [^{psi} / _{min}]	LRC [log removal]	DIT Daily [Y/N] or "off"
				0.080	4.00	
1	0.022		0.022	0.023	4.65	
2	0.022		0.022	0.026	4.60	
3	0.022		0.022	0.026	4.60	
4	0.023		0.023	0.025	4.62	
5	0.023		0.023	0.026	4.56	
6	0.023		0.023	0.026	4.56	
7	0.022		0.022	0.026	4.59	
8	0.022		0.022	0.024	4.63	
9	0.022		0.022	0.023	4.65	
10	0.022		0.022	0.024	4.64	
11	0.022		0.022	0.024	4.64	
12	0.022		0.022	0.023	4.38	
13	0.018		0.018	0.004	5.56	
14	0.022		0.022	0.025	4.58	
15	0.025		0.025	0.025	4.58	
16	0.024		0.024	0.024	4.60	
17	0.023		0.023	0.024	4.60	
18	0.023		0.023	0.024	4.60	
19	0.023		0.023	0.024	4.60	
20	0.023		0.023	0.023	4.61	
21	0.023		0.023	0.024	4.58	
22	0.024		0.024	0.024	4.63	
23	0.024		0.024	0.023	4.59	
24	0.023		0.023	0.024	4.58	
25	0.023		0.023	0.024	4.58	
26	0.024		0.024	0.024	4.60	
27	0.023		0.023	0.024	4.59	
28	0.023		0.023	0.023	4.61	
29	0.023		0.023	0.023	4.60	
30	0.023		0.023	0.023	4.62	
31						

Compliance summary (operator to complete any blank fields)

95% of daily turbidity readings ≤ 1 NTU? [Y/N] Yes	All turbidity readings ≤ 5 NTU? [Y/N] Yes	All IFE turbidity readings ≤ 0.15 NTU? [Y/N] Yes	Performance std met? [Y/N] (PDR ≤ PDR _{Max} , LRV ≥ LRC) Yes	DIT Daily?
CT's met daily? (p. 2)	All Cl ₂ residual at EP ≥ 0.2 mg/L?	PDR ≤ PDR _{Max} ? Yes	LRV _{ambient} ≥ LRC? Yes	

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

DATE: **12-4-25**
WT CERT #: **7130**
PHONE #:

OHA - Drinking Water Services – Turbidity Monitoring Report

Conventional or Direct Filtration

Sud[#]

County: Marion

Name: Detroit Water System

ID #41:

WTP-:

Month/Year: 11-25

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							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12				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	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	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	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
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	0.01
31							

Conventional or Direct Filtration Monthly Summary 95% of the 4-hour turbidity readings ≤ 0.3 NTU? <u>Yes / No</u> All the 4-hour turbidity readings ≤ 1 NTU? <u>Yes / No</u> All turbidity readings < IFE² triggers? <u>Yes / No</u> Notes:	Monthly Summary (Answer Yes or No) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> CT's met everyday? (see back) <u>Yes / No</u> </td> <td style="width: 50%;"> All Cl₂ residuals at entry point ≥ 0.2 mg/l? <u>Yes / No</u> </td> </tr> </table> PRINTED NAME: <u>Robert Bruce</u> SIGNATURE: <u>Robert Bruce</u> DATE: <u>12-4-25</u> PHONE #: () CERT #: <u>7130</u>	CT's met everyday? (see back) <u>Yes / No</u>	All Cl ₂ residuals at entry point ≥ 0.2 mg/l? <u>Yes / No</u>
CT's met everyday? (see back) <u>Yes / No</u>	All Cl ₂ residuals at entry point ≥ 0.2 mg/l? <u>Yes / No</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 IFE = Individ. Filter Effl. (OAR 333-061-0040(1)(d)(B&C))

OHA - Drinking Water Services – Turbidity Monitoring Report

Conventional or Direct Filtration

Site # 2

County: Marion

Name: Detroit Water System

ID #41:

WTP-:

Month/Year: 11-25

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	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
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							
14						0.01	0.01
15							
16	0.01						0.01
17				0.01	0.01		0.01
18				0.01			0.01
19					0.01		0.01
20						0.01	0.01
21	0.01	0.01	0.01				0.01
22						0.01	0.01
23							
24					0.01		0.01
25						0.01	0.01
26				0.01		0.01	0.01
27				0.01	0.01		0.01
28	0.01		0.01	0.01			0.01
29						0.01	0.01
30							
31							

Conventional or Direct Filtration Monthly Summary 95% of the 4-hour turbidity readings ≤ 0.3 NTU? ☒ Yes / ☐ No All the 4-hour turbidity readings ≤ 1 NTU? ☒ Yes / ☐ No All turbidity readings < IFE² triggers? ☒ Yes / ☐ No² Notes:	Monthly Summary (Answer Yes or No) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> CT's met everyday? (see back) ☒ Yes / ☐ No </td> <td style="width: 50%;"> All Cl₂ residuals at entry point ≥ 0.2 mg/l? ☒ Yes / ☐ No </td> </tr> </table> PRINTED NAME: Robert Bruce SIGNATURE: <i>Robert Bruce</i> DATE: 12-4-25 PHONE #: () CERT #: 7136	CT's met everyday? (see back) ☒ Yes / ☐ No	All Cl₂ residuals at entry point ≥ 0.2 mg/l? ☒ Yes / ☐ No
CT's met everyday? (see back) ☒ Yes / ☐ No	All Cl₂ residuals at entry point ≥ 0.2 mg/l? ☒ Yes / ☐ No		

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 IFE = Individ. Filter Effl. (OAR 333-061-0040(1)(d)(B&C))

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

Name: City of Detroit

ID #41:

WTP-: Month/Year:

11.25

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 /	1.1	66	72	13.7	6.7	19	yes	
2 /	1.4	66	92	15.0	6.8	13	yes	
3 /	1.2	66	79	11.9	6.5	16	yes	
4 /	1.0	66	66	15.1	6.9	13	yes	
5 /	1.0	66	66	12.4	6.8	19	yes	
6 /	.7	66	46	16.2	7.4	14	yes	
7 /	.7	66	46	15.3	7.5	14	yes	
8 /	.8	66	52	13.7	7.2	18	yes	
9 /	.8	66	52	15.6	7.5	15	yes	
10 /	.8	66	52	11.7	7.2	18	yes	
11 /	.8	66	52	15.4	7.5	15	yes	
12 /	.8	66	52	13.2	7.4	18	yes	
13 /	.8	66	52	13.3	7.5	18	yes	
14 /	.8	66	52	16.6	7.8	18	yes	
15 /	.8	66	52	12.5	7.4	22	yes	
16 /	1.2	66	79	12.0	7.2	23	yes	
17 /	1.2	66	79	16.6	7.8	19	yes	
18 /	1.0	66	66	14.4	7.5	22	yes	
19 /	.9	66	59	14.0	7.6	22	yes	
20 /	.9	66	59	14.1	7.5	22	yes	
21 /	.9	66	59	11.7	7.1	22	yes	
22 /	1.0	66	66	15.9	7.5	15	yes	
23 /	1.0	66	66	11.8	6.9	19	yes	
24 /	1.0	66	66	15.3	7.5	15	yes	
25 /	1.0	66	66	11.8	6.8	19	yes	
26 /	.7	66	46	11.7	7.0	18	yes	
27 /	.7	66	46	11.9	7.0	18	yes	
28 /	.6	66	40	13.5	7.4	21	yes	
29 /	1.4	66	27	15.8	7.8	17	yes	
30 /	.6	66	40	15.3	7.4	13	yes	
31 /								

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:

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