

OHA - DWS

Membrane Filter Monthly Operating Report

County: **Marion**

System Name: **Detroit Water System**

Month/Year: **Aug-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

Day	CFE Daily Turbidity [NTU]	Highest CFE* [NTU]	Highest IFE [NTU] (>15 minutes)	PDR _{Max} [^{psi} /min]	LRC [log removal]	DIT Daily
				0.080	4.00	
1	0.083		0.083	0.031	4.56	
2	0.097		0.097	0.026	4.58	
3	0.115		0.115	0.026	4.64	
4	0.131		0.131	0.029	4.52	
5	0.138		0.138	0.031	4.48	
6	0.115		0.115	0.031	4.55	
7	0.119		0.119	0.028	4.58	
8	0.126		0.126	0.029	4.52	
9	0.134		0.134	0.029	4.50	
10	0.140		0.140	0.032	4.48	
11	0.023		0.142	0.032	4.48	
12	0.023		0.023	0.032	4.54	
13	0.023		0.023	0.035	4.50	
14	0.023		0.023	0.035	4.50	
15	0.024		0.024	0.033	4.53	
16	0.025		0.025	0.027	4.61	
17	0.027		0.027	0.032	4.52	
18	0.029		0.029	0.032	4.52	
19	0.031		0.031	0.024	4.63	
20	0.034		0.034	0.026	4.61	
21	0.038		0.038	0.030	4.54	
22	0.042		0.042	0.030	4.54	
23	0.047		0.047	0.027	4.59	
24	0.052		0.052	0.029	4.39	
25	0.058		0.058	0.029	4.54	
26	0.070		0.070	0.048	4.33	
27	0.023		0.023	0.027	4.58	
28	0.023		0.023	0.032	4.51	
29	0.023		0.023	0.032	4.51	
30	0.024		0.024	0.033	4.49	
31	0.024		0.024	0.033	4.50	

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} ? Yes	LRV _{ambient} ≥ LRC? Yes	

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

DATE: **9-9-25**
 WT CERT #: **7136**
 PHONE #: **503-854-3496**

OHA - Drinking Water Services – Turbidity Monitoring Report
Conventional or Direct Filtration

County: Marion

SKD 1

Name: City of Detroit

ID #41:

WTP-:

Month/Year: 03/2025

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
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
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
12	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	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
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
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	0.01
31	0.01	0.01	0.01	0.01	0.01	0.01	0.01

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 < IFE ² triggers? Yes / No ²		Monthly Summary (Answer Yes or No) CT's met everyday? (see back) Yes / No All Cl ₂ residuals at entry point ≥ 0.2 mg/l? Yes / No	
Notes:		PRINTED NAME: <u>Robert Bruce</u> SIGNATURE: <u>Robert Bruce</u> DATE: <u>9.9.2025</u> PHONE #: <u>(503) 854-3494</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 IFE = Indiv. Filter Effl. (OAR 333-061-0040(1)(d)(B&C))

OHA - Drinking Water Services – Turbidity Monitoring Report

Conventional or Direct Filtration

County: Marion

SHD 2

Name: City of Detroit

ID #41:

WTP-:

Month/Year: 08/2025

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
2		0	0.01	0.01	0.01		0.01
3				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
6		0.01	0.01				0.01
7			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	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	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	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
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
27	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	0.01
31		0.01	0.01	0.01	0.01	0.01	0.01

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: <u>Robert Bruce</u> SIGNATURE: <u>Robert Bruce</u> DATE: <u>9.9.25</u> PHONE #: <u>(503) 854-3496</u> CERT #: <u>7136</u>	CT's met everyday? (see back) Yes / No	All Cl ₂ residuals at entry point ≥ 0.2 mg/l? Yes / No
CT's met everyday? (see back) Yes / No	All Cl ₂ 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 Services - Surface Water Quality Data Form

WTP- :

System Name:

ID#: 41

Month/Year: Aug 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	.7	66	46	19.7	7.9	18	Yes	380
2	.7	66	46	19.0	7.9	18	Yes	375
3	.6	66	40	18.1	7.9	17	Yes	375
4	.6	66	40	18.4	8.0	17	Yes	375
5	.6	66	40	17.5	8.0	17	Yes	360
6	.6	66	40	18.0	8.0	17	Yes	380
7	.6	66	40	18.5	8.0	17	Yes	380
8	1.0	66	66	17.0	8.0	18	Yes	390
9	1.0	66	66	17.5	7.8	18	Yes	355
10	1.0	66	66	17.3	7.9	18	Yes	400+
11	1.0	66	66	18.3	7.9	18	Yes	400+
12	1.0	66	66	19.6	7.8	18	Yes	400+
13	.8	66	52	19.1	7.7	18	Yes	400+
14	.8	66	52	19.0	7.7	18	Yes	360
15	1.1	66	72	19.0	7.7	19	Yes	400+
16	1.1	66	72	19.7	7.9	19	Yes	240
17	1.0	66	66	18.7	7.9	18	Yes	295
18	1.0	66	66	18.8	7.9	18	Yes	400
19	1.0	66	66	17.8	8.0	18	Yes	400+
20	.8	66	52	18.0	8.0	18	Yes	340
21	.8	66	52	17.0	7.9	18	Yes	360
22	.8	66	52	17.2	7.8	18	Yes	320
23	.8	66	52	17.6	7.7	18	Yes	400+
24	.7	66	46	17.7	7.6	18	Yes	350
25	.7	66	46	17.7	7.6	18	Yes	400
26	.7	66	46	17.4	7.7	18	Yes	360
27	.7	66	46	17.3	7.7	18	Yes	380
28	.7	66	46	19.3	7.8	18	Yes	
29	.7	66	46	18.7	7.7	18	Yes	
30	.9	66	60	19.1	7.8	18	Yes	
31	.9	66	60	18.0	7.8	18	Yes	

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