

OHA - DWS

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

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 min duration)	Highest PDR of day [psi/min]	Lowest LRV _{ambient} of day [log removal]	[Y/N] or "off"
1	1.8		0.0160	0.008	4.454	
2	1.6		0.0161	0.009	4.459	
3	1.6		0.0160	0.008	4.492	
4	1.5		0.0161	0.006	4.409	
5	1.6		0.0173	0.006	4.468	
6	1.6		0.0165	0.006	4.567	
7	1.5		0.0166	0.006	4.482	
8	1.4		0.0168	0.004	4.467	
9	1.7		0.0173	0.004	4.466	
10	1.4		0.0173	0.004	4.4	
11	1.4		0.0186	0.006	4.407	
12	1.3		0.0196	0.006	4.462	
13	1.2		0.0219	0.007	4.482	
14	1.1		0.0245	0.008	4.473	
15	1.3		0.0266	0.007	4.506	
16	1.3		0.0295	0.006	4.39	
17	1.8		0.0338	0.006	4.267	
18	1.3		0.0374	0.005	4.474	
19	1.8		0.0429	0.006	4.465	
20	1.0		0.0474	0.006	4.449	
21	1.6		0.0543	0.007	4.423	
22	1.4		0.0620	0.007	4.443	
23	1.2		0.0681	0.007	4.443	
24	1.4		0.0794	0.007	4.458	
25	1.6		0.0920	0.007	4.45	
26	1.5		0.1063	0.007	4.452	
27	3.0		0.1215	0.007	4.496	
28	1.1		0.1399	0.007	4.427	
29	1.1		0.0343	0.007	4.514	
30	1.1		0.0386	0.007	4.436	
31	1.1					

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: 7-6-2025
WT CERT #: 7134
PHONE #: 503-854-3496

p. 1 of 2

OHA - DWS

Membrane Filter Monthly Operating Report

System Name: Detroit Water SystemCounty: MarionPWS ID#: 41 - 00257Month/Year: June 2025Plant ID: WTP - A (e.g., "A")Minimum test pressure applied || req'd: 17.48 psi || 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 min duration)	PDR _{Max} [psi/min]	LRC [log removal]	DIT Daily [Y/N] or "off"
				0.080	4.00	
1	.03		.1325	.036	5.176	
2	.03		.1438	.034	5.142	
3	.03		.1385	.034	5.145	
4	.03		.0220	.034	5.208	
5	.03		.0223	.031	2.73 (2 min. out of Pressure Decay Test)	
6	.04		.0228	.030	5.33	
7	.05		.0228	.033	5.293	
8	.03		.0228	.030	5.301	
9	.03		.0229	.034	5.454	
10	.02		.0228	.038	5.454	
11	.02		.0228	.038	5.295	
12	.02		.0225	.039	5.216	
13	.01		.0219	.33	5.2	
14	.01		.0218	.034	5.217	
15	.01		.0216	.031	5.224	
16	.02		.0215	.034	5.259	
17	.02		.0214	.034	5.211	
18	.02		.0214	.022	5.213	
19	.02		.0215	.029	5.295	
20	.01		.0215	.029	5.214	
21	.01		.0216	.034	5.213	
22	.02		.0279	.035	5.243	
23	.03		.0215	.036	5.247	
24	.03		.0215	.023	5.25	
25	.03		.0216	.025	5.252	
26	.03		.0220	.034	5.251	
27	.03		.0216	.032	5.251	
28	.04		.0218	.032	5.248	
29	.04		.0211	.034	5.23	
30	.04		.0218	.034	5.247	
31						

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) <u>Yes</u>	All Cl ₂ residual at EP ≥ 0.2 mg/L?	PDR ≤ PDR _{Max} ?	LRV _{ambient} ≥ LRC?	
PRINTED NAME: <u>Robert Bruce</u>		DATE: <u>7-6-2025</u>		
SIGNATURE: <u>Robert Bruce</u>		WT CERT #: <u>7136</u>		
Notes:		PHONE #: <u>503-854-3496</u>		

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

County: Marion
Month/Year: June 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
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
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
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	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
30	0.01	0.01	0.01	0.01	0.01	0.01	0.01
31							

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 Ci2 residual at entry point $\geq$ 0.2 mg/l? ☒ Yes / No	
Notes:		PRINTED NAME: <u>Robert Bruce</u>	
		SIGNATURE: <u>Robert Bruce</u>	DATE: <u>7.6.2025</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 Filtered systems only.

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

County: Madison

Month/Year: June 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			0.01	0.01	0.01		0.01
2	0.01		0.01		0.01		0.01
3				0.01	0.01		0.01
4			0.01	0.01	0.01		0.01
5				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
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		0.01
11		0.01	0.01	0.01	0.01		0.01
12	0.01		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	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	0.01	0.01
19	0.01		0.01	0.01		0.01	0.01
20			0.01	0.01			0.01
21	0.01	0.01	0.01	0.01	0.01		0.01
22	0.01	0.01	0.01				0.01
23			0.01				0.01
24			0.01	0.01	0.01		0.01
25			0.01				0.01
26			0.01	0.01	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	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							

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: 7.6.25

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:

ID#: 41

Month/Year: June 2025

Disinfection Giardia Log

Inactiv:

0.5

Date / Time	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	1.2	66	79	14.1	7.5	23	Yes	265
2	1.2	66	79	13.7	7.5	23	Yes	325
3	1.2	66	79	13.3	7.5	23	Yes	320
4	1.0	66	66	14.3	7.5	22	Yes	340
5	1.0	66	66	13.6	7.5	22	Yes	320
6	.9	66	59	14.6	7.7	26	Yes	380
7	.8	66	52	15.2	7.6	22	Yes	385
8	.8	66	52	15.6	7.6	22	Yes	365
9	1.0	66	66	15.7	7.5	15	Yes	365
10	1.0	66	66	15.0	7.5	15	Yes	330
11	.8	66	52	17.6	7.6	18	Yes	325
12	.8	66	52	15.9	7.6	18	Yes	260
13	.8	66	52	15.9	7.6	18	Yes	390
14	.8	66	52	15.1	7.7	18	Yes	370
15	.8	66	52	14.7	7.7	18	Yes	365
16	.8	66	52	16.1	7.7	18	Yes	400
17	.8	66	52	14.8	7.7	18	Yes	380
18	.8	66	52	16.0	7.7	18	Yes	380
19	.8	66	52	15.5	7.8	18	Yes	400
20	.8	66	52	15.1	7.8	18	Yes	400
21	.8	66	52	14.3	7.8	18	Yes	400+
22	.8	66	52	14.1	7.8	18	Yes	375
23	.7	46	46	14.5	7.8	18	Yes	375
24	.7	66	46	15.0	7.8	18	Yes	370
25	.7	66	46	15.0	7.7	18	Yes	360
26	.7	66	46	15.4	7.7	18	Yes	360
27	.8	66	52	16.6	7.7	18	Yes	380
28	.8	66	52	15.8	7.7	18	Yes	380
29	.8	66	52	15.4	7.7	18	Yes	370
30	.8	66	52	16.7	7.6	18	Yes	400+
31								

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