



**MONTHLY REPORT OF OPERATION  
WATER TREATMENT PLANT**

State Form 34609 (R11 / 1-17)

System Name Middlebury Water Works  
For the Month of May Year 2024

INDIANA DEPARTMENT OF  
ENVIRONMENTAL MANAGEMENT

PWSID Number 5220014

IDEM Field Rep.

Megan Wright

Signed Steve Cripe  
Certification Number 967510

Title Water Superintendent

I certify *under penalty of law*, by this signature that this document was prepared by me, or under my direction, and the information submitted is to the best of my knowledge and belief, true, accurate, and complete.  
*I am also aware that there are significant penalties for submitting false information.*

PHYSICAL AND CHEMICAL DATA\*

Date	Turbidity		Alkalinity		pH		Hardness		Iron		Manganese		Phosphate	Fluoride
	Raw	Finished	Raw	Finished	Raw	Finished	Raw	Finished	Raw	Finished	Raw	Finished	Finished	Finished
1					7.40	7.61	239	251	.03	.01			1.36	.55
2					7.33	7.56	253	264	.01	.00			1.16	.70
3					7.40	7.62	234	242	.07	.00			1.44	.53
4					x	x	x	x	x	x			x	x
5					x	x	x	x	x	x			x	x
6					7.40	7.60	247	252	.00	.01			1.37	.58
7					7.36	7.62	276	256	.81	.01			1.21	.70
8					7.35	7.62	255	246	.94	.00			1.38	.44
9					7.44	7.64	254	261	.11	.00			1.41	.42
10					7.40	7.68	253	247	.77	.00			1.40	.50
11					x	x	x	x	x	x			x	x
12					x	x	x	x	x	x			x	x
13					7.29	7.55	252	251	.43	.02			1.36	.53
14					7.32	7.61	253	250	.95	.00			1.17	.40
15					7.43	7.62	233	253	.08	.03			1.33	.71
16					7.37	7.65	260	258	.83	.00			1.35	.81
17					7.36	7.60	261	257	.90	.02			1.32	.63
18					x	x	x	x	x	x			x	x
19					x	x	x	x	x	x			x	x
20					7.33	7.58	257	256	.79	.00			1.40	.80
21					7.35	7.57	262	253	.54	.01			1.43	.68
22					7.34	7.61	257	248	.84	.04			1.33	.35
23					7.36	7.59	257	261	.54	.00			1.52	.66
24					7.40	7.67	250	230	.77	.00			1.38	.84
25					x	x	x	x	x	x			x	x
26					x	x	x	x	x	x			x	x
27					x	x	x	x	x	x			x	x
28					7.31	7.48	254	249	.00	.00			1.36	.97
29					7.27	7.52	225	239	.03	.01			1.04	.84
30					7.23	7.49	241	250	.43	.01			1.40	.71
31					7.30	7.53	225	233	.58	.00			1.25	.55

\* all Parameters are to be Expressed in mg/l Except pH and turbidity.

**DUE BY THE 10TH OF THE MONTH FOLLOWING THE REPORTING PERIOD.**

Date	Water Treated	Chemicals Used - Pounds				Filters		Chlorine Residual								Remarks		
		MGD gallons	Chlorine	Fluoride	Phosphate	Permanganate	Filter Run Hours	Gallons Per Wash x 1000	Plant Tap N. Zone		D.S. N. Zone		Plant Tap S. Zone		D.S. S. Zone			
									Total	Free	Total	Free	Total	Free	Total			Free
1	.7232	22	3.23	11	1.60	7.99		1.40	1.29	1.06	.73	1.68	1.49	1.27	.75			
2	.6660	23	2.55	10	1.76	7.10		1.49	1.34	1.19	.84	1.57	1.43	1.52	1.11			
3	.4949	22	2.89	8	2.40	5.76		1.65	1.46	1.08	.69	1.74	1.60	1.19	.83			
4	.6642	21	4.08	7	1.44	7.33		x	x	x	x	x	x	x	x			
5	.3933	16	.51	7	1.12	4.38		x	x	x	x	x	x	x	x			
6	.7841	23	2.72	9	1.60	8.57	74.8	1.52	1.37	.58	.30	1.76	1.59	1.17	.90			
7	.5595	20	2.38	8	1.60	6.08		1.74	1.62	.98	.61	1.77	1.58	1.31	.86			
8	.5575	24	2.89	9	1.60	6.05		1.55	1.43	.79	.47	1.61	1.43	.99	.70			
9	.7521	25	2.89	10	1.92	8.60		1.41	1.28	1.25	.82	1.59	1.43	1.10	.42			
10	.5774	27	3.23	11	1.76	6.15		1.65	1.53	1.22	.62	1.64	1.56	1.28	.89			
11	.5314	17	2.21	7	1.28	5.78		x	x	x	x	x	x	x	x			
12	.4554	18	3.91	8	3.36	5.00	75.1	x	x	x	x	x	x	x	x			
13	.8984	21	1.02	9	1.44	9.95		1.74	1.58	.91	.63	1.79	1.59	1.21	.89			
14	.4845	27	3.23	10	1.92	5.27		1.28	1.21	.92	.68	1.55	1.40	1.24	.64			
15	.7123	21	4.25	9	1.60	7.83		1.75	1.59	.98	.68	1.76	1.56	1.36	.84			
16	.7624	23	1.36	11	1.76	7.73		1.79	1.60	.83	.47	1.88	1.66	1.24	.55			
17	.8743	33	3.91	13	2.40	9.68	74.8	1.66	1.46	1.19	.86	1.65	1.52	1.12	.94			
18	.7306	26	3.06	10	1.92	7.98		x	x	x	x	x	x	x	x			
19	.4329	15	1.87	5	.96	4.72		x	x	x	x	x	x	x	x			
20	.7675	29	3.40	12	2.08	8.53		1.64	1.50	.97	.72	1.63	1.51	1.27	1.04	Monthly Water Treatment		
21	.6417	25	2.72	10	1.76	7.16		1.72	1.55	.78	.44	1.77	1.62	1.09	.95	Total Gallons	19.9034	
22	.7759	28	2.23	11	2.08	8.38	74.8	1.46	1.40	1.37	.87	1.60	1.53	1.15	.98	Max. Day	.8984	
23	.7027	24	2.72	10	1.92	7.60		1.51	1.31	.95	.71	1.64	1.47	1.25	.93	Min. Day	.2070	
24	.6922	26	3.57	10	2.08	7.82		1.42	1.10	.54	.30	1.51	1.03	1.03	.54	Avg. Daily	.6420	
25	.6364	21	2.38	8	1.28	6.80		x	x	x	x	x	x	x	x	Total Backwash	.4490	
26	.2070	20	2.21	7	1.44	2.35		x	x	x	x	x	x	x	x	E-Mail To: DWBMRO@idem.in.gov		
27	.5665	10	1.53	6	.96	5.97	74.7	x	x	x	x	x	x	x	x	Mail to: <b>Indiana Department of Environmental Management</b> Drinking Water Branch, MC 66-34 100 North Senate Avenue Indianapolis, IN 46204-2251		
28	.6014	26	3.23	11	1.92	6.70		1.67	1.50	1.02	.97	1.69	1.46	1.24	.84			
29	.8345	20	2.38	8	1.60	9.22		1.72	1.56	.71	.60	1.72	1.58	1.22	.99			
30	.6001	21	2.72	10	1.60	6.52		1.62	1.32	.51	.44	1.68	1.28	.74	.68			
31	.8231	33	5.61	14	2.40	8.91	75.2	1.33	1.18	.78	.65	1.69	1.48	1.09	.99			