



MONTHLY REPORT OF OPERATION WATER TREATMENT PLANT

State Form 34609 (R11 / 1-17)

INDIANA DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT

System Name Arcadia Water Department PWSID Number 5229001

For the Month of June Year 2024 IDEM Field Rep. Lily Alexander

Signed [Signature] Title Utilities Superintendant

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.

Certification Number DS220018/WT220017

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									1.79	.05			2.23	
2									1.77	.03			2.33	
3									1.77	.03			2.17	
4									1.77	.06			2.21	
5									1.79	.08			2.29	
6									1.78	.03			2.24	
7									1.79	.06			2.51	
8									1.79	.05			2.37	
9									1.76	.10			2.36	
10									1.78	.09			2.13	
11									1.77	.07			2.23	
12									1.77	.05			2.17	
13									1.77	.03			2.31	
14									1.80	.05			2.18	
15									1.78	.09			2.36	
16									1.82	.06			2.30	
17									1.81	.09			2.40	
18									1.75	.12			2.64	
19									1.78	.02			2.19	
20									1.56	.07			2.14	
21									1.66	.04			2.24	
22									1.67	.05			2.24	
23									1.69	.05			2.28	
24									1.65	.12			2.31	
25									1.62	.08			2.34	
26									1.65	.04			2.34	
27									1.65	.05			2.25	
28									1.62	.06			2.25	
29									1.69	.04			2.55	
30									1.65	.06			2.34	
31														

* 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 1000 gallons	Chemicals Used – Pounds								Filters		Chlorine Residual				Remarks
		Salt	Alum	Lime	Soda Ash	Carbon	Chlorine	Fluoride	Phosphate	Filter Run (hours)	Gallons per wash x 1000	Plant Tap		D. S.		
												Free	Total	Free	Total	
																June 2024
1	131						7		9	10.6		1.43	1.87	1.16	1.36	June 6th water plant shut down for
2	157						9		11	12.9		1.66	2.25	1.25	1.46	chlorine injector issues and valve
3	157						8		10	12.8		1.53	1.96	1.26	1.51	replacement.
4	181						10		12	14.2	7.6	1.35	1.72	1.13	1.37	June 7th boil order was issued for
5	130						5		8	10.5		.72	1.94	.93	1.08	low chlorine readings.
6	63						3		4	5.2		.54	.57	.43	.68	June 8th water bact. samples taken.
7	327						17		21	24.8		2.12	2.25	.09	.13	June 9th samples tested negative.
8	136						6		11	9.1		1.56	2.25	.73	.92	Boil order lifted.
9	183						9		12	14.9		.96	1.13	1.04	1.22	June 13th retested the distribution
10	167						7		11	13.4		1.49	2.25	.81	.93	system free cl2 1.03 mg/l, total
11	149						9		9	12.6	7.6	.87	1.07	.85	.97	1.04 mg/l.
12	171						10		11	13.9		1.57	2.25	.56	.41	June 22nd weekend guy got low test
13	204						11		14	16.6		1.44	2.25	.37	.54	results for the distribution. I was informed
14	148						8		11	12.0		1.49	2.25	.90	1.08	of this on the 23rd. He was told next
15	184						8		14	15.2		1.35	2.25	1.02	1.28	time to rerun another sample and test.
16	154						8		11	12.6		1.41	1.88	.99	1.14	June 24th in the morning the pre cl2
17	184						9		13	16.0	7.6	1.08	2.25	.75	.94	was not working. Cleaned the injector
18	157						8		12	12.6		1.13	1.38	1.14	1.27	and was back online. June 28th retested
19	152						7		11	12.4		1.32	1.70	1.01	1.17	chlorine dist. free 1.36 and total 1.55
20	197						10		15	15.8		1.52	2.25	1.20	1.38	June 28th started hydrant flushing.
21	145						7		11	12.6	7.6	1.44	1.82	1.11	1.35	Monthly Water Treatment
22	180						11		14	14.7		1.31	2.25	.16	.27	Total Gallons 4,876,000
23	139						4		10	11.3		1.54	2.25	.42	.53	Max. Day 327,000
24	166						8		13	13.6		1.41	2.25	.36	.40	Min. Day 63,000
25	138						8		9	12.0	7.6	1.27	1.66	1.07	1.17	Avg. Daily 162,533
26	134						7		9	10.9		1.53	2.25	.99	1.24	E-Mail To:
27	162						8		12	13.2		1.70	2.25	1.24	1.50	DWBMRO@idem.in.gov
28	176						10		11	15.1	7.6	1.92	2.25	.43	.37	Mail To:
29	137						6		10	11.1		1.67	2.25	1.14	1.33	Indiana Department of Environmental Management
30	167						9		12	13.5		1.36	2.25	1.24	1.42	Drinking Water Branch
31																100 N. Senate Ave. Room N1201 Indianapolis, IN 46204-2237