

Monthly Report of Operation Water Treatment Plant

INDIANA DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT

System Name: CUII - Twin Lakes - Water Plant 2 **PWSID Number:** 5245046

For the Month of: June 2024 **IDEM Field Rep.** Fawn Patterson

Signed:  **Title:** Certified Operator

I certify under penalty of law by this signature that this document was **Certification Number:** 170105 / 170104
prepared by me or under my direction and the information submitted is

to the best of my knowledge and my 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									2.66	0.00			0.49	
2									2.62	0.00			0.61	
3									2.59	0.00			0.61	
4									2.79	0.00			0.72	
5									2.85	0.00			0.59	
6									2.77	0.00			0.74	
7									2.80	0.03			0.77	
8									2.68	0.01			0.67	
9									2.69	0.00			0.77	
10									2.72	0.00			0.85	
11									2.87	0.00			0.70	
12									2.73	0.00			0.77	
13									3.22	0.00			0.96	
14									2.75	0.00			0.83	
15									3.09	0.03			0.79	
16									2.81	0.00			0.73	
17									2.87	0.00			0.88	
18									2.90	0.00			1.21	
19									2.89	0.00			0.90	
20									2.80	0.02			0.95	
21									2.68	0.00			1.00	
22									2.92	0.00			1.05	
23									2.86	0.01			1.00	
24									2.60	0.02			0.98	
25									2.63	0.00			0.99	
26									2.63	0.02			0.96	
27									2.80	0.00			0.66	
28									2.77	0.02			0.87	
29									2.68	0.00			1.01	
30									2.56	0.00			0.84	
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

CUII - Twin Lakes - Water Plant 2 - June 2024

PWSID #

5245046

Date	Water Treated 1000 gallons	Chemicals Used -- Pounds								Filters		Chlorine Residual				Remarks	
		Salt	Alum	Lime	Soda	Carbon	Chlorine	Fluoride	Phos- phate	Filter Run (hours)	Gallons per wash x 1000	Plant Tap		D. S.			
					Ash							Free	Total	Free	Total		
1	186					21.6		4.7	13	8.4	1.02	1.31	1.09	1.50			
2	246					18.1		4.7	17	8.4	0.90	1.26	1.06	1.11			
3	147					15.1		9.3	10	8.4	0.94	1.19	0.96	1.10			
4	174					16.1		4.7	12	8.4	0.90	1.39	1.06	1.18			
5	168					16.1		4.7	11	8.4	0.92	1.27	1.06	1.09			
6	170					16.1		9.3	12	8.4	0.90	1.32	1.00	1.30	Total Backwash Gallons =		
7	167					12.6		9.3	11	8.4	0.82	1.34	1.21	1.36	252,000	Gallons	
8	187					16.6		9.3	13	8.4	0.90	1.44	0.79	1.34	5.09%	% of Flow	
9	204					16.1		9.3	14	8.4	1.34	1.74	0.64	0.82			
10	173					12.0		4.7	12	8.4	1.30	1.70	0.94	1.12			
11	176					10.0		4.7	12	8.4	1.12	1.64	1.25	1.57			
12	164					14.1		9.3	11	8.4	1.21	1.54	1.31	1.51			
13	166					15.1		9.3	11	8.4	1.26	1.56	1.31	1.48			
14	121					9.0		4.7	8	8.4	1.25	1.52	1.31	1.36			
15	208					17.1		4.7	14	8.4	1.05	1.47	1.08	1.28			
16	237					13.0		9.3	16	8.4	0.97	1.42	1.21	1.43			
17	100					8.0		9.3	6	8.4	1.03	1.34	1.26	1.46			
18	148					16.1		4.7	9	8.4	0.84	1.06	1.22	1.41			
19	123					9.0		9.3	8	8.4	0.93	1.19	1.22	1.54			
20	119					4.0		4.7	8	8.4	0.85	1.21	0.85	1.21			
21	104					9.0		9.3	6	8.4	0.85	1.22	0.87	1.07	Monthly Water Treatment		
22	146					10.0		9.3	9	8.4	1.27	1.64	1.00	1.31	Total Gallons	4,949,280	
23	161					11.0		9.3	10	8.4	1.27	1.54	1.15	1.30	Max. Day	0.252	
24	120					9.0		4.7	8	8.4	1.19	1.42	0.96	1.15	Min. Day	0.100	
25	118					9.0		4.7	7	8.4	0.99	1.39	0.72	1.23	Avg. Day	0.165	
26	133					11.0		4.7	8	8.4	1.26	1.45	0.80	1.35			
27	193					16.1		9.3	13	8.4	0.93	1.12	0.80	1.09	Mail to:		
28	130					15.1		9.3	8	8.4	0.77	0.95	0.90	1.02	Department of Environmental Management		
29	207					12.0		4.7	14	8.4	1.00	1.33	1.04	1.16	Drinking Water Branch MC 66-34		
30	252					14.0		9.3	17	8.4	1.02	1.34	1.04	1.19	100 N. Senate Ave.		
31															Indianapolis, IN 46204		