



**MONTHLY REPORT OF OPERATION
OF WATER TREATMENT PLANT**
State Form 34609 (R11 / 1-17)

INDIANA DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT

System Name: Valparaiso Flint Lake Treatment Plant

PWSID Number: 5264029

For the Month of **JUNE 2024**

IDEM Field Rep.

Signed *S.W. Muehler*

Title: Utilities Operations Maintenance Director

Certification Number: WT090135

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	ALKALINITY		PH		TOTAL HARDNESS		IRON				MANGANESE				CHLORINE				FLUORIDE	PO4 TAP
	RAW	TAP	RAW	TAP	RAW	TAP	PLANT		SYSTEM		FREE	TOTAL	FREE	TOTAL						
							RAW	TAP	RAW	TAP										
1	360	320	7.14	7.16	484	450	1.85	0.02	0.18	0.03	1.2	1.6	0.6	0.6	1.0	1.63				
2	350	324	7.18	7.17	470	430	1.70	0.02	0.17	0.03	1.2	1.6	0.8	1.0	1.0	1.69				
3	330	332	7.16	7.12	464	452	1.89	0.07	0.18	0.01	1.2	1.6	0.9	1.1	0.9	1.72				
4	310	310	7.27	7.14	440	442	1.70	0.00	0.14	0.00	1.2	1.4	0.9	1.1	0.9	1.63				
5	302	308	7.30	7.16	412	436	1.60	0.00	0.14	0.01	1.2	1.5	1.0	1.3	0.9	1.65				
6	324	328	7.30	7.18	414	422	1.76	0.03	0.15	0.00	1.2	1.5	0.4	0.6	0.9	1.79				
7	316	324	7.28	7.18	420	432	1.57	0.02	0.14	0.00	1.2	1.5	0.8	0.9	1.0	1.77				
8	296	304	7.27	7.17	408	420	1.63	0.02	0.15	0.01	1.2	1.5	1.0	1.2	0.8	1.79				
9	300	308	7.27	7.17	412	416	1.71	0.03	0.16	0.02	1.2	1.5	0.5	0.6	0.9	1.77				
10	302	306	7.21	7.19	424	418	1.77	0.02	0.14	0.00	1.2	1.5	0.5	0.8	1.0	1.74				
11	298	310	7.30	7.17	420	446	1.64	0.01	0.14	0.01	1.2	1.5	0.5	0.6	0.9	1.72				
12	322	320	7.27	7.16	410	430	1.83	0.02	0.14	0.01	1.2	1.5	0.5	0.9	0.9	1.59				
13	296	300	7.26	7.14	415	420	1.77	0.02	0.14	0.00	1.2	1.5	0.8	1.0	1.0	1.77				
14	314	308	7.28	7.17	418	422	1.77	0.03	0.17	0.01	1.2	1.5	0.3	0.5	0.9	1.58				
15	300	296	7.32	7.18	456	446	1.53	0.02	0.20	0.05	1.2	1.5	1.1	1.2	1.0	1.60				
16	318	294	7.33	7.21	440	430	1.70	0.02	0.20	0.05	1.2	1.5	0.7	0.8	0.9	1.69				
17	306	330	7.32	7.17	398	408	1.85	0.02	0.18	0.03	1.2	1.5	1.1	1.3	0.9	1.53				
18	308	300	7.25	7.15	404	402	1.55	0.04	0.16	0.03	1.2	1.4	0.8	1.0	0.8	1.54				
19	306	310	7.24	7.17	404	402	1.54	0.02	0.15	0.00	1.2	1.5	1.1	1.4	0.8	1.55				
20	308	308	7.28	7.15	430	436	1.67	0.03	0.16	0.03	1.2	1.5	1.2	1.3	1.0	1.38				
21	306	310	7.25	7.19	422	436	1.75	0.04	0.18	0.02	1.2	1.5	1.1	1.3	0.9	1.49				
22	294	304	7.23	7.23	396	404	1.55	0.02	0.17	0.04	1.3	1.5	0.8	1.0	1.0	1.37				
23	302	310	7.28	7.23	406	410	1.38	0.03	0.18	0.03	1.3	1.5	0.7	0.8	0.9	1.57				
24	294	310	7.27	7.29	408	412	1.59	0.04	0.15	0.00	1.2	1.5	1.1	1.3	0.8	1.71				
25	296	300	7.25	7.18	404	418	1.41	0.03	0.14	0.02	1.2	1.5	1.1	1.1	0.7	1.65				
26	306	300	7.31	7.21	416	428	1.51	0.02	0.18	0.04	1.3	1.5	0.6	0.9	0.6	1.86				
27	332	330	7.26	7.17	404	448	1.60	0.02	0.16	0.04	1.2	1.5	1.1	1.3	0.9	1.78				
28	320	324	7.29	7.24	412	422	1.50	0.02	0.17	0.04	1.3	1.5	0.5	0.7	1.0	1.66				
29	352	340	7.28	7.18	408	416	1.30	0.02	0.13	0.00	1.2	1.5	0.7	0.8	0.8	1.77				
30	332	340	7.24	7.20	412	426	1.56	0.01	0.18	0.03	1.3	1.5	0.9	1.0	0.9	1.78				
AVG	313	314	7.26	7.18	421	426	1.64	0.02	0.16	0.02	1.2	1.5	0.8	1.0	0.9	1.66				
MAX	360	340	7.33	7.29	484	452	1.89	0.07	0.20	0.05	1.3	1.6	1.2	1.4	1.0	1.86				
MIN	294	294	7.14	7.12	396	402	1.30	0.00	0.13	0.00	1.2	1.4	0.3	0.5	0.6	1.37				

Parameters not monitored are not reported. All parameters are to be expressed in mg/L except pH and turbidity. Due by the 10th of the month following the reporting period

FLINT LAKE CHEMICAL USAGE

JUNE 2024

DATE	FINISHED WATER (MG)	SODIUM HYPOCHLORITE (Gallon)	FLUORIDE (Lb)	PHOSPHATE (Lb)	FILTER WASH (MG)
1	2.286	64	77	108	0.082
2	2.398	67	77	114	
3	2.501	67	74	120	
4	2.666	75	90	114	0.080
5	2.551	74	87	116	0.038
6	2.184	65	63	119	0.081
7	2.294	65	67	114	
8	2.317	63	68	108	0.040
9	2.237	69	69	116	0.041
10	2.297	68	69	118	0.080
11	2.375	73	80	113	
12	2.584	74	86	100	0.040
13	2.223	67	74	113	0.039
14	2.600	77	85	114	0.041
15	2.455	72	79	111	0.081
16	2.562	75	80	118	0.039
17	2.651	77	92	113	
18	2.631	68	92	120	0.039
19	2.591	64	82	117	
20	2.945	78	99	115	0.120
21	2.858	71	94	119	
22	2.903	66	90	106	0.039
23	2.898	84	111	133	
24	2.411	55	71	128	0.040
25	2.500	65	88	123	0.121
26	2.260	47	60	121	0.039
27	2.437	56	76	120	0.039
28	2.642	65	86	120	0.040
29	2.258	56	74	120	0.041
30	2.485	57	78	134	0.043
TOTALS	75.001	2024	2418	3505	1.243
AVERAGE	2.500	67	81	117	0.057
MINIMUM	2.184	47	60	100	0.038
MAXIMUM	2.945	84	111	134	0.121