Rod Roberson Mayor

Laura Kolo Environmental Resources

Tory Irwin, P.E. Engineering Services



Public Works & Utilities Department

Administration,Engineering & Laboratory 574,293,2572

Utility Billing 574.264.4273

1201 S. Nappanee St. Elkhart, Indiana 46516

January 9, 2023

Sent via U.S. Postal Service to: Chief, Environmental Enforcement Section Environment and Natural Resources Division United States Department of Justice Post Office Box 7611, Ben Franklin Station Washington, D.C. 20044-7611 Re: DOJ No. 90-5-1-1-08182

United States Environmental Protection Agency, Region 5 Water Division Water Enforcement and Compliance Assurance Branch 77 West Jackson Boulevard (WC-15J) Chicago, Illinois 60604

Sent via email to: Wayne Ault at <u>Wayne.Ault@usdoj.gov</u> Ryan Bahr at <u>bahr.ryan@epa.gov</u> Dean Maraldo at <u>maraldo.dean@epa.gov</u> Kara Wendholt at <u>KWendhol@idem.IN.gov</u> Beth Admire at <u>BADMIRE@idem.IN.gov</u>

To Whom It May Concern:

Please find enclosed the City of Elkhart's Six Month Status Report for the period of July 1- December 31, 2022, as required by the Consent Decree. If you have any questions, please contact me at (574) 293-2572.

Sincerely,

Tory Irwin, P.E. City Engineer



City of Elkhart Public Works and Utilities

Combined Sewer Overflow Long-Term Control Plan Six Month Status Report

July 1 – December 31, 2022

1201 S Nappanee St Elkhart, IN 46516 www.elkhartindiana.org



LTCP Six Month Status Report: July 1 – December 31, 2022

Submitted to:

To the United States:

Via United States Postal Service:

Chief, Environmental Enforcement Section Environment and Natural Resources Division United States Department of Justice Post Office Box 7611, Ben Franklin Station Washington, D.C. 20044-7611 Re: DOJ No. 90-5-1-1-08182

Via Courier:

Chief, Environmental Enforcement Section Environment and Natural Resources Division United States Department of Justice 601 D Street, N.W. Washington, D.C. 20004 Re: DOJ No. 90-5-1-1-08182

and

United States Attorney Northern District of Indiana 5400 Federal Plaza, Suite 1500 Hammond, Indiana 46320 Re: USAO File No. 2003V00804 Email to Wayne Ault at <u>Wayne.Ault@usdoj.gov</u>

and

Chief Water Enforcement and Compliance Assurance Branch Water Division United States Environmental Protection Agency, Region 5 77 West Jackson Boulevard Chicago, Illinois 60604 Email to Dean Maraldo at <u>maraldo.dean@epa.gov</u> Email to Ryan Bahr at <u>bahr.ryan@epa.gov</u>

LTCP Six Month Status Report: July 1 – December 31, 2022

To EPA:

Chief Water Enforcement and Compliance Assurance Branch Water Division United States Environmental Protection Agency, Region 5 77 West Jackson Boulevard Chicago, Illinois 60604 Email to Dean Maraldo at <u>maraldo.dean@epa.gov</u> Email to Ryan Bahr at <u>bahr.ryan@epa.gov</u>

To Indiana:

Chief, Permits Branch Office of Water Quality Indiana Department of Environmental Management 100 North Senate Avenue MC 65-42 IGCN 1255 Indianapolis, Indiana 46204-2251 Email to Kara Wendholt at <u>KWendhol@idem.IN.gov</u>

and

Office of Legal Counsel Indiana Department of Environmental Management 100 North Senate Avenue Post Office Box 6015 Indianapolis, Indiana 46206 Email to Beth Admire at <u>BADMIRE@idem.IN.gov</u>

LTCP Six Month Status Report: July 1 – December 31, 2022

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LTCP Six Month Status Report: July 1 – December 31, 2022

Consent Decree Deadline Compliance

Section VII Paragraph 25(a)

1. A statement of all deadlines that this Consent Decree requires Elkhart to meet during the sixmonth period, whether and to what extent Elkhart met those requirements, and the reasons for any noncompliance. Notification to the United States and Indiana of any anticipated delay shall not, by itself, excuse the delay

The following includes a summary of the City of Elkhart's (the "City's") compliance with applicable Consent Decree deadlines and terms from July 1 – December 31, 2022 (the "Reporting Period").

There was one Consent Decree deadline during the Reporting Period. The design date for the Upper St. Joseph River CSO Control was November 15, 2022. Design officially began on August 2, 2022.

Appendix 1 contains a table of all past and future deadlines; and the current status of all Control Measures.

LTCP Six Month Status Report: July 1 – December 31, 2022

General Description of Work Completed and Projected Work to be Completed

Section VII Paragraph 25(a)

- 2. A general description of the work completed within the six-month period, and a projection of work to be performed pursuant to this Consent Decree during the next six-month period
 - a. During the Reporting Period the following work was completed:
 - Design of the Upper St. Joseph River CSO Control began
 - A portion of the Oakland Avenue Control design was completed
 - Additional portions of the Oakland Avenue Control design continued
 - Construction on the additional wastewater treatment plant upgrades continued
 - b. Within the next six-month period:
 - A portion of the Oakland Avenue Control will be bid
 - Additional portions of the Oakland Avenue Control will continue to be designed
 - Construction on the additional wastewater treatment plant upgrades will continue
 - Design of the Upper St. Joseph River CSO Control will continue

LTCP Six Month Status Report: July 1 – December 31, 2022

Information Generated Pursuant to the Requirements of Appendix A

Section VII Paragraph 25(a)

3. Information generated pursuant to the requirements of Appendix A, Long Term Control Plan required by Paragraph 10 of this Decree; and any Supplemental Compliance Plan required by Paragraph 13 of this Decree.

The attached Appendix 2 contains copies of all information generated during the Reporting Period.

Included information:

- Copies of River Monitoring Data collected during the Reporting Period

LTCP Six Month Status Report: July 1 – December 31, 2022

Monthly Monitoring Reports and Other Reports Pertaining to CSO Discharges and Bypassing

Section VII Paragraph 25(a)

4. Copies of all Monthly Monitoring Reports and other reports pertaining to CSO Discharges and Bypasses that Elkhart submitted to IDEM in accordance with Elkhart's Current Permits during the six month period.

The attached Appendix 3 contains numbered copies of monthly monitoring reports and other reports submitted to IDEM pertaining to CSOs and bypasses during the Reporting Period.

City of Elkhart, IN

LTCP Six Month Status Report: July 1 – December 31, 2022

Certification Statement

I certify under penalty of law this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for the gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Tory S. Irwin, P.E. City Engineer

LTCP Six Month Status Report: July 1 – December 31, 2022

Appendix 1

General Description of Work Completed during the Reporting Period; All past and future deadlines and current status of all Control Measures

CSO	CSO	Control Measure	Description	Design Criteria	Performance Criteria	Critical Milestones	Design Date	Bid Date	Date of Full Opera
Measure	Numbe	Elements							
		Chuiati	iana Creek CSO (L Na sa tina l		Required Dates	Nov-15-2010	Nov-15-2011	Nov-15-2014
		Christ	ana Creek CSO C	ontrol		Compliance Date	May-8-2008	Mar-10-2010	Apr-27-2011
1	14	High Dive Park - 1.0 MG Facility for Storage & Pumping and Redirection of CSO 14 Basin Flow from NE Elkhart to the North Interceptor System	Construction of a 1 MG off-line storage tank to reduce overflows at CSO 14 and construct a LS to redirect flow to the North Interceptor System	Provide storage capacity of 1 MG and lift station designed per City of Elkhart Standards and Ten State Standards	When incorporated with the rest of the Christiana Creek Watershed, achieve no more than 9 overflow events on a system wide basis	Design Date - Nov 15, 2010 Bid date – Nov 15, 2011 Date of Full Operation - Nov 15, 2014			
		1-)			•	1	Progress Date	es for Elements of C	ontrol Measure
	CSO 14	4	High Dive Park 1 MG Storage	1		Actual Dates	Aug-5-2008	Mar-10-2010	Apr-27-2011
	CSO 14	4	High Dive Park Pump Station			Actual Dates	Aug-5-2008	Mar-10-2010	Apr-27-2011
	CSO 14	4	Force Main: High Dive Park			Actual Dates	Aug-5-2008	Mar-10-2010	Apr-27-2011
						<u> </u>	15 0040		N 15 00 10
		Upper E	Elkhart River CSO	Control		Required Dates	Nov-15-2013	Nov-15-2014	Nov-15-2018
2	4, 30, 31		Construction of a 80,000 gallon off-line	Provide storage capacity of	When incorporated with the rest of	Compliance Date	Apr-7-2009	Oct-22-2009	Mar-22-2016
-	& 33	CSO 31 and various levels of separations at CSO's 4, 30 & 33	storage tank to reduce overflows at CSO 31 and separation and rehabilitation of sewers to reduce stormwater flow and minimize CSO's 4, 30 & 33	80,000 gal. and sanitary and storm sewers designed per City of Elkhart Standards and Ten State Standards	the system upgrades, no more than 9 overflow events on a	Bid Date - Nov 15, 2014 Date of Full Operation - Nov 15, 2018			
		·			•		Progress Date	es for Elements of C	ontrol Measure
	CSO 4		Separation - Partial			Actual Dates	Apr-7-2009	Oct-22-2009	Apr-27-2011
	CSO 30	0	Separation			Actual Dates	Apr-7-2009	Oct-22-2009	Apr-27-2011
	CSO		EEC 80,000-Gal. Storage &			Actual Dates	Dec-16-2014	May-19-2015	Mar-22-2016
	CSO		Separation - Partial			Actual Dates	Jul-5-2011	Jun-6-2013	May-14-2014
						,			
		,	WWTP Upgrades [*]	*		Required Dates	Nov-15-2015	Nov-15-2017	Nov-15-2024
3	WWTP	WWTP system improvements	Modifications to the influent pumping,	System improvement	Provide peak capacity of	Compliance Date Design Date- Nov 15,	Mar-19-2013	Jul-15-2014	
		provide a peak capacity of 60 MGD through secondary or CMDF treatment and disinfection	preliminary treatment, improvements to primary influent channels, diffuser replacement, aeration blower replacement, RAS system replacement, and cloth media disk filtration installation with a capacity of 30MGD.	designed per Ten State Standards CMDF Filter Area: 5,164.8SF Max. Hydraulic Loading: 4.4gpm/SF Max. Solids Loading: 15.8bb/d/SF Average TSS Removal: >85%	60 MGD - a minimum of 30 MGD through secondary, and up to 30 MGD through CDMF treatment, and 60 MGD disinfection. WWTP Outfall shall meet NPDES permit effluent limits.	2015 Bid Date- Nov 15, 2017 Date of Full Operation - Nov 15, 2024			
		1	_				Progress Date	es for Elements of C	ontrol Measure
	WWTP)	Preliminary and Additional Dis	sinfection for 60 MGD		Actual Dates	Mar-19-2013	Jul-15-2014	Mar-11-2016
	WWTP)	Cloth Media Disks and Piping			Actual Dates	Aug-21-2018	Sep-22-2021	
	WWTP)	Aeration Process Improvemer	nts		Actual Dates	Aug-21-2018	Sep-22-2021	
	WWTP)	RAS System Replacement an	d Pump Capacity Impr	ovements	Actual Dates	Aug-21-2018	Sep-22-2021	
	WWTP)	Primary Clarification System I			Actual Dates	Aug-21-2018	Sep-22-2021	T
		ements for 60MGD were com ance date for date of full oper	npleted on March-11-2016; how ration to November 15, 2024	ever, the 2021 Amend	ment to the Consent Decre				
		l ower F	Elkhart River CSO	Control		Required Dates	Nov-15-2016	Nov-15-2018	Nov-15-2021
					M/L	Compliance Date	Nov-5-2013	Jul-15-2014	Jan-1-2016
		Pumping facility and redirection of	Construction of a 1 MG off-line storage tank to reduce overflows at CSOs 6 & 7 with upgrades to the system to allow the redirection of flow to Oakland Avenue	Provide storage capacity of 1 MG with lift station and system improvements designed per City of Elkhart	When incorporated with the rest of the system upgrades, achieve no more than 9 overflow events on a system wide basis	Design Date - Nov 15, 2016 Bid Date - Nov 15, 2018 Date of Full Operation - Nov 15, 2021 ³			
4	6&7	system flows to Oakland Avenue Control Facility ³	Control Measure when it is completed. ³	Standards and Ten State Standards					
4		Control Facility ³	Control Measure when it is completed. ³	Standards					
4	CSO 6	Control Facility ³	Control Measure when it is completed. ³ Direct East Waterfall Dr to Jac	Standards ckson Blvd. Storage Fa	acility	Actual Dates	Nov-5-2013	Jul-15-2014	Jan-1-2016
4		Control Facility ³ & 7 & 7	Control Measure when it is completed. ³	Standards ckson Blvd. Storage Fa e facility	acility	Actual Dates Actual Dates Actual Dates	Nov-5-2013 Nov-5-2013 Nov-5-2013	Jul-15-2014 Jul-15-2014 Jul-15-2014	Jan-1-2016 Jan-1-2016 Jan-1-2016

CSO	CSO	Control Measure	Description ¹	Design Criteria ¹	Performance Criteria	Critical Milestones	Design Date	Bid Date	Date of Full Operation
Measure	Numbe	Elements			2				
		00	kland Avenue Con	trol		Required Dates	Nov-15-2021	Nov-15-2023	Nov-15-2028
		Oal	Nanu Avenue Con			Compliance Date	Oct-20-2020		
5	24 & 37		Construction of a 1.1 MG off-line storage and pump tank with system additions to allow the redirection of flow to CSO 24 & 37 LS and then to the WWTP to reduce overflows at CSOs 24 & 37	1.1 MG with lift station and system improvements	When incorporated with the rest of the system upgrades, no more than 9 overflow events on a system wide basis	Design Date - Nov 15, 2021 Bid Date - Nov 15, 2023 Date of Full Operation - Nov 15, 2028			
		-			•		Progress Date	es for Elements of C	Control Measure
	CSOs 2	24 & 37	Force Main from Oakland Ave	. LS to WWTP		Actual Dates	Oct-20-2020		
	CSOs 2	24 & 37	Interceptor of CSO 37 Overflo	ow (CSO 37.0)		Actual Dates	Oct-20-2020		
	CSOs 2	24 & 37	Interceptor of CSO 37 Overflo	ow (CSO 37.02)		Actual Dates	Oct-20-2020		
	CSOs 2	24 & 37	Interceptor of CSO 37 Overflo	ow (CSO 37.03)		Actual Dates	Oct-20-2020		
	CSOs 2	24 & 37	Interceptor of CSO 37 Overflo	w + Jackson LS		Actual Dates	Oct-20-2020		
	CSOs 2	24 & 37	Interceptor of Flow to CSO#24	L-TUFF 1		Actual Dates	Oct-20-2020		
	CSOs 2	24 & 37	Interceptor of Flow to CSO#24	L-TUFF 1B		Actual Dates	Oct-20-2020		
	CSOs 2	24 & 37	LS 8 Force Main To Oakland A	Ave. Storage facility		Actual Dates	Oct-20-2020		
	CSOs 2	24 & 37	CSO 24 LS 1.1 MG Storage a	and Pump		Actual Dates	Oct-20-2020		

		Unnor	St Joe River CSO	Control		Required Dates	Nov-15-2022	Nov-15-2023	Nov-15-2026
		Obbei (St JOE KIVEL CSO	Control		Compliance Date	Aug-2-2022		
6	& 39	Improvements, system improvements and CSO eliminations	rehabilitation of sewers to reduce	System modifications designed per City of Elkhart Standards and Ten State Standards	than 9 overflow events on a	Design Date - Nov 15, 2022 Bid Date - Nov 15, 2023 Date of Full Operation - Nov 15, 2026			
							Progress Date	es for Elements of Co	ntrol Measure
	CSO 13		Separation - Partial			Actual Dates	Aug-2-2022		
	CSO 25		Effluent Line Upgrade: CSO 2	25 to Interceptor		Actual Dates			
	CSO 29	1	Plug Overflow (Jefferson)			Actual Dates			
	CSO 28		Plug Overflow (Washington)		Actual Dates				
	CSO 39		Separation			Actual Dates	Oct-25-2022		

		Lower	St Joe River CSO	Control		Required Dates	Nov-15-2023	Nov-15-2024	Dec-31-2029
		LOWER	St JUE KIVEL CSU	Control		Compliance Date	Feb-1-2007	Sep-27-2007	
7	& 23	Improvements, system improvements, CSO eliminations and	Separation, flow redirection and rehabilitation of sewers to reduce stormwater flow and minimize or eliminate CSOs	the system upgrades, no more	Design Date - Nov 15, 2023 Bid Date - Nov 15, 2024 Date of Full Operation - Dec 31, 2029				
							Progress Date	es for Elements of Co	ntrol Measure
	CSO 18	3	Plug Overflow (McNaughton F	Park)		Actual Dates			
	CSO 27	7	Plug Overflow (Navajo)			Actual Dates			
	CSOs 1	7 & 18	Redirect Flow to North Interce	eptor		Actual Dates	Feb-18-2014	May-15-2014	
	CSO 21	1	Separation			Actual Dates	Feb-1-2007	Sep-27-2007	Jun-24-2008
	CSO 23	3	Effluent Line Upgrade CSO#2	3 to LS#4		Actual Dates			
	CSO 23	3	LS 4 Force Main			Actual Dates			
	CSO 23	3	LS 4 (8th & Franklin) Improve	ments		Actual Dates			
	CSO 23	3	Separation - Partial			Actual Dates			

		Di	verside Drive Cont	trol		Required Dates	Nov-15-2024	Nov-15-2025	Dec-31-2029
			verside Drive Com			Compliance Date	Apr-1-2007	Sep-27-2007	
8	15	Riverside Dr 0.43 MG Storage & Pump with sewer separations and system redirection	Construction of a 0.43 MG off-line storage tank with NW Elkhart sewer system redirection and partial basin separation to reduce overflows at CSO 15	0.43 MG and system improvements designed per	When incorporated with the other work in CSO 15 basin and downstream improvements, achieve no more than 9 overflow events on a system wide basis	Design Date - Nov 15, 2024 Bid Date - Nov 15, 2025 Date of Full Operation - Dec 31, 2029			
							Progress Date	es for Elements of Co	ntrol Measure
	CSO 15	5	AACOA Redirection			Actual Dates	Apr-1-2007	Sep-27-2007	Nov-29-2007
	CSO 15	5	Riverside Dr. 0.43 MG Storag	ge & Pump		Actual Dates			
	CSO 15	5	Separation - Partial			Actual Dates			



M E M O R A N D U M

- DATE: January 5, 2023
- **TO:** Board of Public Works
- **FROM:** Paul Wunderlich, Utility Engineer

RE: Control Measure 6 – Upper St. Joseph River CSO Control - Design Date Compliance

Pursuant to the United States of America and State of Indiana v. City of Elkhart, Indiana, Case Number 2:11-cv-00328-JVB-APER, Consent Decree (CD), Effective Date November 30, 2011, and as amended on April 26, 2022, the City of Elkhart is in compliance with the Critical Milestone Design Date, as defined by Section IV.8.v, for the Upper St. Joseph River CSO Control, as outlined in CD Appendix A: Section 1: Table 1-3.

Effective Tuesday, August 2nd, 2022, the City began design on the Upper St. Joseph River CSO Control with the commencement of the CSO Basin 13 LTCP Control Study. This is 105 days earlier than required by the critical milestone deadline of November 15, 2022 as outlined in the CD Appendix A.

References: City of Elkhart, Indiana Standard Form of Agreement between Owner and Engineer for Professional Services (Edition 2020), effective August 2, 2022 (The City of Elkhart, Indiana, acting by and through its Board of Public Works ("Owner") and DLZ Indiana, LLC, 2211 E. Jefferson Blvd, South Bend, IN 46615 ("Engineer") for CSO Basin 13 LTCP Control Study ("Project"))

Engineering requests that the Board of Works accept and place this memo on file.

LTCP Six Month Status Report: July 1 – December 31, 2022

Appendix 2

Copies of all information generated during the Reporting Period

City of Elkhart

River Water Quality Data

	-															Water	*Weather	**Water	***Add
	-	e coli	DO	рΗ	TSS	NH3	PO4	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Temp	Conditions	App	Айй Арр
Elkhart River	CR 18	1722	7.4	7.5												23	1.0	4.0	
	YMCA	2310	7.0	7.5												24	1.0	4.0	
St. Joseph River	Ash Rd	921	6.6	7.8												26	1.0	1.0	
Le	exington Ave	2420	7.0	7.5												25	1.0	4.0	
	Six Span	770	6.6	7.5												22	1.0	1.0	1
Christiana Creek	High Dive	488	7	7.3												24	1	1.0	
	High Dive 2	579	8	7.4												23	1	1.0	
Comments																			
	Rain Eve	ent 🗌		рH	TSS	NH3	PO4	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Water Temp	*Weather Conditions	**Water App	***Add App
7/19/2022	-	e coli	DO		TSS	NH3	PO4	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Water Temp 24		**Water App 2.0	***Add App
7/19/2022	Rain Eve CR 18 YMCA	e coli 167	DO 7.4	7.7	TSS	NH3	PO4	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Temp	Conditions	Арр	
7/19/2022 Elkhart River	CR 18 YMCA	e coli 167 196	DO 7.4	7.7	TSS	NH3	PO4	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Temp 24	Conditions	App 2.0	
Comments 7/19/2022 Elkhart River St. Joseph River	CR 18 YMCA	e coli 167 196 57	DO 7.4 7.4 7.0	7.7 7.9 7.7	TSS	NH3	PO4	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Temp 24 23	Conditions 1.0 1.0	App 2.0 3.0	
7/19/2022 Elkhart River St. Joseph River	CR 18 YMCA Ash Rd	e coli 167 196 57 66	DO 7.4 7.4 7.0 7.8	7.7 7.9 7.7 7.7 7.9	TSS	NH3	PO4	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Temp 24 23 25	Conditions 1.0 1.0 1.0 1.0	App 2.0 3.0 4.0	
7/19/2022 Elkhart River St. Joseph River	CR 18 YMCA Ash Rd exington Ave Six Span	e coli 167 196 57 66 47	DO 7.4 7.4 7.0 7.8 6.8	7.7 7.9 7.7 7.7 7.9 7.7	TSS	NH3	P04	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Temp 24 23 25 25	Conditions 1.0 1.0 1.0 1.0 1.0	App 2.0 3.0 4.0 4.0	
7/19/2022 Elkhart River St. Joseph River	CR 18 YMCA Ash Rd exington Ave Six Span	e coli 167 196 57 66 47 548	DO 7.4 7.4 7.0 7.8 6.8 7	7.7 7.9 7.7 7.7 7.9 7.7 7.9 7.7 7.9	TSS	NH3	P04	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Z n	Temp 24 23 25 25 24	Conditions 1.0 1.0 1.0 1.0 1.0 1.0 1.0	App 2.0 3.0 4.0 4.0 1.0	

7/25/2022	Rain Eve		1																
	-	e coli	DO	рН	TSS	NH3	PO4 B	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Water Temp	*Weather Conditions	**Water App	***Add App
Elkhart River	CR 18	613	8.0	7.5												23	2.0	2.0	
	YMCA	816	8.0	8.0												23	2.0	4.0	
St. Joseph River	Ash Rd	248	7.9	7.9												25	2.0	4.0	
Le	xington Ave	236	7.8	7.8												26	2.0	4.0	
	Six Span	102	7.9	7.9												24	2.0	3.0	
Christiana Creek	High Dive	291	8	8.0												23	2	3.0	
_	High Dive 2	308	8	7.9												23	2	2.0	
Comments																			
8/11/2022	Rain Eve	ent 🗌]																
0/11/2022	-		50						• •				5.	•	7	Water	*Weather	**Water	***Add
		e coli	DO	рн	188	NH3	PO4 B	SOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Temp	Conditions	Арр	Арр
Elkhart River	CR 18			-	188	NH3	PO4 B	SOD	Cd	Cr	Cu	NI	Pb	Ag	Zn	Temp 22	3.0	Арр 2.0	Арр
Elkhart River	CR 18 YMCA	179	7.4	7.6									РБ	Ag	Zn				Арр
Elkhart River		179 158	7.4 7.4	7.6 8.1							Cu		Pb	Ag	2n	22	3.0	2.0	Арр
St. Joseph River	YMCA	179 158 44	7.4 7.4 7.4	7.6 8.1 8.1									Pb	Ag	2n	22 22	3.0 3.0	2.0 4.0	App
St. Joseph River	YMCA Ash Rd	179 158 44 75	7.4 7.4 7.4 8.0	7.6 8.1 8.1 8.2									Pb	Ag		22 22 25	3.0 3.0 3.0	2.0 4.0 3.0	Арр
St. Joseph River	YMCA Ash Rd exington Ave Six Span	179 158 44 75 50	7.4 7.4 7.4 8.0 7.0	7.6 8.1 8.1 8.2 8.1									<u>Р</u> Б	Ag		22 22 22 25 24	3.0 3.0 3.0 3.0 3.0	2.0 4.0 3.0 1.0	Арр - — — — —
St. Joseph River Le Christiana Creek	YMCA Ash Rd exington Ave Six Span	179 158 44 75 50 115	7.4 7.4 7.4 8.0 7.0 8	7.6 8.1 8.1 8.2 8.1 8.1 8.1									Pb	Ag		22 22 25 24 23	3.0 3.0 3.0 3.0 3.0 3.0	2.0 4.0 3.0 1.0 1.0	Арр - — — — —
St. Joseph River Le Christiana Creek	YMCA Ash Rd exington Ave Six Span High Dive	179 158 44 75 50 115	7.4 7.4 7.4 8.0 7.0 8	7.6 8.1 8.1 8.2 8.1 8.1 8.1									<u>РБ</u>	Ag		22 22 25 24 23 21	3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	2.0 4.0 3.0 1.0 1.0 1.0	App
St. Joseph River Le Christiana Creek	YMCA Ash Rd exington Ave Six Span High Dive	179 158 44 75 50 115 326	7.4 7.4 8.0 7.0 8 9	7.6 8.1 8.1 8.2 8.1 8.1 8.1									Pb	Ag	2n	22 22 25 24 23 21	3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	2.0 4.0 3.0 1.0 1.0 1.0	App

8/30/2022	Rain Eve	ent 🔽	•																
		e coli	DO	рН	TSS	NH3	PO4 B	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Water Temp	*Weather Conditions	**Water App	***Add App
Elkhart River	CR 18	238	7.6	7.4												22	1.0	1.0	
	YMCA	249	7.4	8.2												24	1.0	1.0	
St. Joseph River	Ash Rd	727	7.2	8.5												24	1.0	2.0	
Le	exington Ave	118	8.2	8.2												24	1.0	3.0	
	Six Span	121	6.8	8.1												23	1.0	2.0	
Christiana Creek	High Dive	416	7	8.2												22	1	1.0	
-	High Dive 2	206	8	8.1												22	1	1.0	
Comments																			
9/13/2022	Rain Eve	ent]																
	-	e coli	DO	рН	TSS	NH3	PO4 B	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Water Temp	*Weather Conditions	**Water App	***Add App
Elkhart River	CR 18	125	8.6	7.4												18	3.0	1.0	
	YMCA	166	8.6	8.1												17	3.0	1.0	
St. Joseph River	Ash Rd	52	7.6	8.2												20	3.0	1.0	
	exington Ave	62	8.4	8.2												19	3.0	1.0	
Le																10	5.0		
Le	Six Span															19	2.0	1.0	
	Six Span	62	7.6	8.0															
	Six Span	62 155	7.6 8	8.0 8.1												19	2.0	1.0	
Christiana Creek	Six Span High Dive	62 155	7.6 8	8.0 8.1												19 17	2.0 	1.0 	
Christiana Creek	Six Span High Dive	62 155 261	7.6 8 9	8.0 8.1												19 17	2.0 	1.0 	

																Matan	*\&/ = = th = #	**\&/	***Add
	_	e coli	DO	рΗ	TSS	NH3	PO4	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Water Temp	*Weather Conditions	**Water App	Add
Elkhart River	CR 18	59	10.0	7.3												13	1.0	1.0	9
	YMCA	76	11.0	8.1												13	1.0	1.0	9
St. Joseph River	Ash Rd	29	11.4	8.2												14	1.0	1.0	
Le	exington Ave	30	11.0	8.2												14	1.0	1.0	
	Six Span	23	9.0	7.9												13	2.0	1.0	
Christiana Creek	High Dive	82	8	7.9												14	2	1.0	9
	High Dive 2	131	10	8.0												13	2	1.0	
Comments	CR 18: Water le	evel low,	, High	Dive: V	Vater le	evel low	, Aquat	ic Cente	r: Water I	evel low									
44/2/2022	Rain Eve	nt 🗆	7																
11/3/2022																			
11/3/2022		e coli	_	рН	TSS	NH3	PO4	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Water Temp	*Weather Conditions	**Water App	***Add App
Elkhart River	CR 18	e coli	DO	рН 7.5	TSS	NH3	PO4	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn				
	-	e coli 73	DO	7.5	TSS	NH3	PO4	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Temp	Conditions	Арр	
	CR 18	e coli 73	DO 8.4	7.5	TSS	NH3	PO4	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Temp 14	Conditions	App 1.0	
Elkhart River	CR 18 	e coli 73 46 40	DO 8.4 10.0 9.8	7.5 7.9	TSS	NH3	PO4	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Temp 14 13	Conditions 1.0 1.0	Арр 1.0 1.0	
Elkhart River	CR 18 YMCA Ash Rd	e coli 73 46 40 34	DO 8.4 10.0 9.8	7.5 7.9 8.0 7.9	TSS	NH3	P04	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Temp 14 13 14 13 14	Conditions 1.0 1.0 1.0 1.0 1.0	App 1.0 1.0 1.0	
Elkhart River St. Joseph River Le	CR 18 YMCA Ash Rd exington Ave Six Span	e coli 73 46 40 34 71	DO 8.4 10.0 9.8 9.4	7.5 7.9 8.0 7.9 8.0	TSS	NH3	PO4	BOD	Cd	Cr	Cu	Ni	РЬ	Ag	Zn	Temp 14 13 14 13 14 15	Conditions 1.0 1.0 1.0 1.0 1.0 1.0	App 1.0 1.0 1.0 1.0 1.0	
Elkhart River St. Joseph River Le	CR 18 YMCA Ash Rd exington Ave Six Span	e coli 73 46 40 34 71 54	DO 8.4 10.0 9.8 9.4 9.0 8	7.5 7.9 8.0 7.9 8.0 7.9 8.0 7.6		NH3	PO4	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Temp 14 13 14 15 13	Conditions 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	App 1.0 1.0 1.0 1.0 1.0 1.0 1.0	App
St. Joseph River	CR 18 YMCA Ash Rd exington Ave Six Span High Dive	e coli 73 46 40 34 71 54	DO 8.4 10.0 9.8 9.4 9.0 8	7.5 7.9 8.0 7.9 8.0 7.9 8.0 7.6	TSS	NH3	PO4	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Temp 14 13 14 15 13	Conditions 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	App 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	App
Elkhart River St. Joseph River Le	CR 18 YMCA Ash Rd exington Ave Six Span High Dive	e coli 73 46 40 34 71 54 77	DO 8.4 10.0 9.8 9.4 9.0 8 10	7.5 7.9 8.0 7.9 8.0 7.9 8.0 7.6		NH3	PO4	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Temp 14 13 14 15 13	Conditions 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	App 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	App

12/6/2022	Rain E
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Rain Event	
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	-	e coli	DO	рН	TSS	NH3	PO4	BOD	Cd	Cr	Cu	Ni	Pb	Ag	Zn	Water Temp	*Weather Conditions	**Water App	***Add App
Elkhart River	CR 18	145	12.0	7.5												4	3.0	1.0	
	YMCA	96	12.2	8.1												4	3.0	1.0	
St. Joseph River	Ash Rd	39	12.6	8.4												3	3.0	1.0	
Le	xington Ave	54	13.2	8.3												4	3.0	1.0	
	Six Span	32	12.4	7.7												3	3.0	1.0	
Christiana Creek	High Dive	34	10	7.8												6	3	1.0	
	High Dive 2	31	12	7.9												5	3	1.0	

Comments

*Weather Conditions 1=clear/sunny 2=partly sunny 3=cloudy 5=rain 7=stelwight snow 8=windy **Water Appearance 1=clear 2=cloudy 3=murky 4=muddy ***Additional appearance notes 1=large floatables present 3=brown color observed 5=strong odor observed 7=large amounts of algae present 9=other observations

2=small floatables present 4=other color observed 6=slight odor observed 8=small amounts algae present Case No 2:11-cv-00328 LTCP Six Month Status Report: July 1 – December 31, 2022

City of Elkhart, IN

Appendix 3

Copies of all Monthly Monitoring Reports and other reports pertaining to CSO Discharges and Bypasses that Elkhart submitted to IDEM in accordance with Elkhart's Current Permits during the Reporting period

Indiana DEM

💇 View All Copies of Submissions | 🔮 DMR/COR Search Results 😨 View DMR Signing Status

% Signing Process Confirmation - CDX Activity ID: _102b1a4f-1b69-47e1-882a-9ea49f05215b

our DMRs are undergoing the Signing Process

Permit ID Facility P	Permitted Feature Di	Discharge #	Discharge Description	Monitoring Period End Date	DMR Due Date
IN0025674 ELKHART WWTP 0	005 00	005-C	CSO- ARCH/BAR, NW OF INTERSECTION	06/30/22	07/28/22
IN0025674 ELKHART WWTP 00	006 001	006-C	CSO- JACKSON, N OF BRIDGE, W OF ELKHART RIVER	06/30/22	07/28/22
IN0025674 ELKHART WWTP 00	007 00	007-C	CSO- JACKSON, N OF BRIDGE, E OF ELKHART RIVER	06/30/22	07/28/22
IN0025674 ELKHART WWTP 00	008 001	008-C	CSO- HUG/EAST BLVD	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0	00 600	D-9-C	CSO- NIBCO PRKWY - FKA JR. ACHIEVEMENT (Y DR N)	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0:	011 01	011-C	CSO- ELKHART/FRANKLIN	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0:	012 01	012-C	CSO- CASSOPOLIS/BEARDSLEY	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0:	013 01	013-C	CSO- JOHNSON/BEARDSLEY	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0:	014 01	014-C	CSO- DAM AT CONE/ERWIN	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0:	015 01	015-C	CSO- MICHIGAN/FULTON	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0:	016 01	016-C	CSO- DAN @ GOSHEN/SUPERIOR	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0	017 01	017-C	CSO- W. BOULEVARD/MCNAUGHTON	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0:	018 01	018-C	CSO- MCNAUGHTON PARK WEST	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0	019 01	019-C	CSO-MICHIGAN @ RVR, S. OF LEX.	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0.	020 021	020-C	CSO- BRIDGE AND HUDSON	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0:	023 023	023-C	CSO- FRANKLIN/8TH	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0	024 02	024-C	CSO- INDIANA/FRANKLIN	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0:	025 02	025-C	CSO- POTTAWATOMI/SECOND	06/30/22	07/28/22
	026 02	026-C	CSO- MAIN/POTTAWATOMI	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0	027 02	027-C	CSO- EDGEWATER/NAVAJO	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0	028 021	028-C	CSO- WASHINGTON AT RIVER	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0.	029 02	029-C	CSO- JEFFERSON AT THE RIVER	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0	031 03	031-C	CSO- ELIZABETH/LUSHER	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0:	032 03	032-C	CSO- EDGEWATER/OKEMA	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0	033 033	033-C	CSO- EVANS/GRACE	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0	034 03	034-C	CSO- LEXINGTON/6TH	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0	035 03	035-A	20 MGD CLASS IV ACTIVATED SLUDGE - TO ST JOSEPH RIVER	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0	035 03	035-AQ	QUARTERLY REPORTING	06/30/22	07/28/22
IN0025674 ELKHART WWTP 0:	037 03	037-C	CSO- FRANKLIN/KRAU	06/30/22	07/28/22
IN0025674 ELKHART WWTP 03	039 039	039-C	CSO- WEST HIGH AT RIVER	06/30/22	07/28/22
IN0025674 ELKHART WWTP 04	040 041	040-C	CSO- MCNAUGHTON PARK SOUTH	06/30/22	07/28/22
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Indiana DEM

📌 View Certification | 🐺 Download COR

JMR Copy of Submission

Showing COR 13 of 31 44 4 9 10 11 12 13 14 15 16 b W

Permit			
Permit ID:	IN0025674	Major:	
Permittee:	ELKHART WWTP	Permittee Address:	229 SOUTH 2ND ST ELKHART , IN46516
Facility:	ELKHART WWTP	Facility Location:	1201 S NAPPANEE ST ELKHART , IN46516
Permitted Feature:	035 - External Outfall	Discharge:	035-A - 20 MGD CLASS IV ACTIVATED SLUDGE - TO ST JOSEPH RIVER
Report Dates & Status			
Monitoring Period:	From 06/01/22 to 06/30/22	DMR Due Date:	07/28/22
Status:	NetDMR Validated		

Considerations for Form Completion THE FLOW METER(S) SHALL BE CALIBRATED AT LEAST ONCE EVERY TWELVE MONTHS. REPORT QUARTERLY PARAMETERS ON 035-AQ NETDMR. MUNICIPAL MAJOR ELKHART COUNTY

Principal Executive Officer

First Name:	Laura	Last Name:	Kolo
Title:	Utility Services Manager	Telephone:	574-293-2572
No Data Indicator (NODI)			
Form NODI:			

Parameter	IDON	ď	Quantity or Loading		Quality or Concentration	ncentration	fo #	of Freq. of Analysis	Smpl.
Code Name		Value 1	Value 2	Units Vi	Value 1 Value 2	Value 3	Units		Type
00300 Oxygen, dissolved [DO] 1 - Effluent Gross	Smpl.			= .8			19 - mg/L 0	01/01 - Daily	3R - 3GR24H
Season: 0	Req.			>=4.0 DLYAVMIN	AVMIN		19 - mg/L	01/01 - Daily	3R - 3GR24H
NODI: -	IDON	· · · · · · · · · · · · · · · · · · ·	manal a mat the community of the latter to the state of the latter to the		the second s	A THE PARTY AND A THREE	the second contraction	the second s	And and a manufacture of the second s
00400 pH 1 - Effluent Gross	Smpl.			=7.5		=7.7	12 - SU 0	01/01 - Daily	GR - GRAB
Season: 0	Req.			>=6.0 DAILY MN	LY MN	<=9.0 DAILY MX	12 - SU	01/01 - Daily	GR - GRAB
NODI: -	IOON			 In the second sec	and the second	and a manufacture of the second state of the second state of the	a and a the manufacture of the end of the state	en mining ware independent of an interminent method is a second	nan nang mananan a
00530 Solids, total suspended 1 - Effluent Gross	Smpl. =494.0	-494.0	=865.0	26 - Ib/d	=4.0	=7.0	19 - mg/L 0	01/01 - Daily	24 - COMP24
Season: 0	Req. <	Req. <=7511.0 MO AVG	<=11266.0 MX WK AV	26 - Ib/d	<=30.0 MO AVG	<=45.0 MX WK AV	19 - mg/L	01/01 - Daily	24 - COMP24
NODI: -	IQON			-			· · · · · · · · · · · · · · · · · · ·		
00600 Nitrogen, total [as N] 1 - Effluent Gross	Smpl. =2568.0	2568.0		26 - Ib/d	=14.4		19 - mg/L 0	01/30 - Monthly	24 - COMP24
Season: 0	Req. Re	Req Mon MO AVG		26 - lb/d	Req Mon MO AVG		19 - mg/L	01/30 - Monthly	24 - COMP24
NODI: -	IQON	and the second sec	 Monte a compare and a compare a compa e compare a com	· · · · · · · · · · · · · · · · · · ·		1		a a constitue on one of the section of the sector of the	
00610 Nitrogen, ammonia total [as N] 1 - Effluent Gross	Smpl. =18.5	18.5	=33.0	26 - lb/d	=0.15	=0.61	19 - mg/L 0	01/01 - Daily	24 - COMP24

- PC

Code Name		Value 1	Value 2	Units Value 1	Value 2	Value 3	Units ex.		iype
	TOON								
00000 Prosphorus, total [as P] 1 - Effuent Gross	Smpl. =75.0	o		26 - Ib/d	=0.6		19 - mg/L 0	01/01 - Daily	24 - COMP24
Season: 0	Req. Red h	Req Mon MO AVG		26 - Ib/d	<=1.0 MO AVG		19 - mg/L	01/01 - Daily	24 - COMP24
NODI: -	IDON						· · · · · · · · · · · · · · · · · · ·		
01079 Silver total recoverable 1 - Effluent Gross	Smpl. <0.023	23	<0.036	26 - Ib/d	<0.0002	=0.0002	19 - mg/L 0	01/07 - Weekly	24 - COMP24
Season: 0	Req. Red h	Req Mon MO AVG	Req Mon DAILY MX	26 - Ib/d	Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24
NODI: -	IQON			-					
01079 Silver total recoverable G - Raw Sewage Influent	Smpl.				=0.0024	=0.0065	19 - mg/L 0	02/DM - Twice Every Month	/ 24 - COMP24
Season: 0	Req.	· · · · · · · · · · · · · · · · · · ·			Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	02/DM - Twice Every Month	Y 24 - COMP24
	IDON						· · · · · · · · · · · · · · · · · · ·		
50050 Flow, in conduit or thru treatment plant 1 - Ffilient Gross	Smpl. =14.827	827		03 - MGD			o	01/01 - Daily	TM - TOTALZ
Season: 0	Req. Red h	Req Mon MO AVG	And	03 - MGD	- An Alman Anna - An an anna - an anna - an An Alman - An anna A muine		readmands of the and the second of the second of the	01/01 - Daily	TM - TOTAL 7
- :IOON	IQON						-		
X E. coll, colony forming units 51041 [CFU] 1 - Ffiluent Gross	Smpl.				=15.0	=378.0	3Z - CFU/100mL 2	01/01 - Daily	GR - GRAB
Season: 1	Req.				<=125.0 MO GEO	<=235.0 DAILY MX	3Z - CFU/100mL	01/01 - Daily	GR - GRAB
- :IQON	IQON		a communication of the second se	 International contractions in the second seco	summary and the state of the last of manufacture of the state			You I company of month time by the summaries	
71901 Mercury, total recoverable 1 - Effluent Gross	Smpl.				=1.4	=2.12	3M - ng/L 0	01/60 - Once Every 2 Months	GR - GRAB
Season: 0	Req.				<=1.6 ANNL AVG	Req Mon DAILY MX	3M - ng/L	01/60 - Once Every 2 Months	GR - GRAB
	IGON								
71901 Mercury, total recoverable G - Raw Sewage Influent	Smpl.					=21.3	3M - ng/L 0	01/60 - Once Every 2 Months	GR - GRAB
Season: 0	Req.					Req Mon DAILY MX	3M - ng/L	01/60 - Once Every 2 Months	GR - GRAB
	NODI								
80082 BOD, carbonaceous [5 day, 20 C] 1 - Effluent Gross	Smpl. =187.0	2.0	=286.0	26 - Ib/d	=2.0	=2.0	19 - mg/L 0	01/01 - Daily	24 - COMP24
Season: 0	Req. <=6	<=6259.0 MO AVG	<=10014.0 MX WK AV	26 - Ib/d	<=25.0 MO AVG	<=40.0 MX WK AV	19 - mg/L	01/01 - Daily	24 - COMP24
	IGON								
81012 Phosphorus, total percent removal K - Percent Removal	Smpl.			=83.1			23 - % 0	01/30 - Monthly	CA - CALCTD
Season: 0	Req.			>=75.0 MO AV MN			23 - %	01/30 - Monthly	CA - CALCTD
	IGON								
82220 Flow, total 1 - Effluent Gross	Smpl.		=445.0	80 - Mgal/mo			0	01/30 - Monthly	RT - RCOTOT
Season: 0	Req.		Req Mon MO TOTAL	80 - ممتازیمہ				01/30 - Monthly	RT - גרחדחד

Code	Name	Value 1	Value 2	Unîts	Value 1	Value 2	Value 3	Units EX.	ıype
IDON		IQON							
Submission Note If a parameter row Edit Check Errors	r Note er row does not contain any ve <i>Errors</i>	Submission Note If a parameter row does not contain any values for the Sample nor Effluent Trading, then none Edit Check Errors		ollowing fields	: will be submitted for tha	of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.	xcursions, Frequency of	Analysis, and Sample Ty	ë
	Parameter	Monitoring Location	Field	Туре			Description		Acknowledge
	E. colir, colony forming units [CFU]	1 - Effluent Gross Quality or C	Quality or Concentration Sample Value 3	e 3 Soft	The provided sample value	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Please verify that the value	you have provided is com	sot.
Comments		•		:					
Hg sampled i	on May 4th. Will be samples in	Hg sampled on May 4th. Will be samples in even months moving forward.							
Attachments	ts								
Name						Туре		Size	
IN0025674_C	IN0025674_035a_MRO_2022_06.pdf	· · · · · · · · · · · · · · · · · · ·				bdf		911208.0	
IN0025674_C	IN0025674_CSO-MR0_2022_06.pdf					pdf		1396984.0	
IN0025674_1	IN0025674_INC_RPT_2022_06_01.pdf					pdf		116814.0	
IN0025674_1	IN0025674_INC_RPT_2022_06_02.pdf					pdf		128535.0	
IN0025674_I	IN0025674_INC_RPT_2022_06_03.pdf					pdf		115889.0	
Report Last Saved By	t Saved By								
ELKHART WWTP	VWTP								
User:		Payton88							
Name:		Laura Kolo							
E-Mail:		laura.kolo@coei.org							
Date/Time:		2022-07-26 10:01 (Time Zone:-04:00)	:-04:00)						
Report Last	Report Last Signed By								
User:		Payton88							
Name:		Laura Kolo							
E-Mail:		laura.kolo@coei.org							
Date/Time:		2022-07-26 10:02 (Time Zone:-04:00)	:-04:00)						

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Day Of Month Day of Week

1 Wed 2 Thu 3 Fri 4 Sat 5 Sun 6 Mon 7 Tue 8 Wed 9 Thu 10 Fri 11 Sat 12 Sun 13 Mon 14 Tue

15 Wed 16 Thu 17 Fri 18 Sat 19 Sun 20 Mon 21 Tue 22 Wed 23 Thu 24 Fri 25 Sat 26 Sun 27 Mon 28 Tue 29 Wed 30 Thu 31 Average Maximum Minimum

of Data

										Name of Faci	lity				Permit Num	ber		
	THE STA	TE	MON	ты у		י דסר		ERATIO	N	Elkhart					IN00256	74		
8							E TYPE	ERAHO	IN	Month		Year		Plant Des	L		e Number	
SEAL		NOA						T PLAN	т	June		2022		20.00	mad	5	74/293-	2572
14		S							•	E-mail add	ress'		olo@coei.c		mgu		035	
	181	B	State Fo	rm 10829 (R4 / 01-2	20)				Certified Ope				Class	Certificate	Number		A ation Date
										Laura E.	Kolo			IV	150	94	06/3	0/2023
				Total=			CI	IEMICA	_S									
		_		3.27	5			USED	2			[RAV	SEW/	AGE			
	Day of Week	Man-Hours at Plant (Plants less than 1 MGD only)	Air Temperature (optional)	Precipitation - Inches	Bypass At Plant Site("x" Occurred)	Sanitary Sewer Overflow("x" If Occurred)	Chlorine - Lbs/day	Ferrous Chloride Lbs/Day or Gal./Day	Lbs/Day or Gal./Day	Influent Flow Rate (if metered) MGD		- mg/l	CBOD5 - lbs/day	Solids - mg/l	Susp. Solids - Ibs/day	Phosphorus - mg/l	Ammonia - mg/l	
	_	Mar lants	Ter	cipit	pass	iertico	orine	rrou:	2	uent nete		CBOD5	005	S.G.	b. G	hqsd	Lom	
		б)	Air	L D	B	_ ð	Chi	Б		linflu (if m	Hq	CBC		Susp.		Phc	- Ā	
1	Wed			0.12				140		14.684	7.4	91	11,193	116	14,206	3.77	15.36	
2	Thu			0.01				140		14.154	7.2	118	13,955	108	12,749	3.64	20.48	
3	Fri			0.00				140 140		14.336 13.380	7.6 7.8	94 100	11,277 11,133	152 142	18,173 15,846	3.97 3.14	17.08 15.72	
5	Sat Sun			0.00				140		13.219	7.6	96	10,551	142	11,025	2.47	11.96	
6	Mon			0.24		<u> </u>		198		14.689	7.5	77	9,431	112	13,721	3.07	14.12	
7	Tue			0.22				167		14.893	7.6	112	13,855	162	20,122	4.25	16.76	
8	Wed			0.85		x				18.765	7.6	110	17,278	116	18,154	3.10	15.56	
9	Thu			0.00				161		14.547	7.7	124	15,017	170	20,625	4.01	16.20	
	Fri			0.04				106 196		13.856 13.249	7.5 7.6	89 110	10,306	124 130	14,329	3.04 2.78	17.72 17.84	
2	Sat Sun			0.00		<u> </u>		190		13.009	7.6	87	9,403	90	9,765	2.21	12.64	
3	Mon			1.06		x		189		16.658	7.5	100	13,851	156	21,673	3.07	14.52	
4	Tue			0.00		x		176		16.342	7.6	87	11,807	114	15,537	3.44	15.84	
5	Wed			0.00				144		14.867	7.6	86	10,617	146	18,103	3.54	16.28	
6	Thu			0.00				119		13.833	7.5	141	16,267	172	19,843	5.73	19.64	
	Fri			0.00				106 58		14.075	7.5 7.5	167 169	19,627 18,959	168 110	19,721 12,332	4.17 3.67	19.40 14.48	
9	Sat Sun			0.00		X		50		13.650	7.6	81	9,253	78	8,880	2.75	18.12	
0	Mon			0.00				182		13.975	7.7	71	8,307	116	13,520	3.39	18.72	
1	Tue			0.00				140		13.792	7.6	119	13,685	150	17,254	4.45	21.12	
2	Wed			0.00				112		12.892	7.6	87	9,389	126	13,547	3.66	16.24	
3	Thu			0.00				403		14.150	7.6	112	13,203	156	18,410	3.71	17.68 20.04	
4	Fri			0.00				204 216		13.325 12.792	7.6 7.6	118 78	13,161 8,284	184 104	20,448	4.08 4.34	16.52	
6	<u>Sat</u> Sun			0.73		x		210		18.600	3.9	69	10,738	184	28,543	2.29	11.04	
7	Mon			0.00				185		12.400	7.7	64	6,596	122	12,617	3.10	16.36	
8	Tue			0.00				198		12.500	7.6	115	11,976	124	12,927	4.00	16.84	
9	Wed			0.00	<u> </u>			243		12.700	7.6	107	11,331	136	14,405	3.43	16.84	
1	Thu			0.00				228		12.700	7.7	103	10,906	120	12,710	3.95	19.52	
 er	age			0.11				173		14.182		103	12,116	133	15,821	3.54	16.69	
	mum			1.06				403		18.765	7.8	169	19,627	184	28,543	5.73	21.12	
	mum			0.00				58		12.400	3.9	64	6596	78	8880	2.21	11.04	
. F	Dete) 30	0	8	0	28	0	30	30	30	30	30	30	30	30	0
	were syst and resp	prepared em design evaluate persons w onsible fo	penalty under r ned to a the info /ho mai r gathe	of law t my direct assure the rmation nage the ring the	hat this tion or nat qua submit system inform	s docu super alified p tted. B m, or t ation,	iment and vision in a personne ased on hose per the inforr	d all attac accordanc I properly my inquin sons dire nation sul	hments ce with a gather y of the ctly omitted	Prepared by	or under	the direction	on of (Certifie	ed Operat	¢	Date (mo	bonth, day, $\frac{1}{2}$	year) (
	c	complete.	I am av	ware that ormation	it there n, inclu	e are si ding th	gnificant	accurate, penalties ility of fine	for	1 2	• •		officer or auti ber agreemer		gent	Date (mo	onth, day, j	year)

Page 1 of 6

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7/26/22

Name o	f Facility	· · · · · · · · · · · · · · · · · · ·		Permit Numb	er	Month		Year										
Elkha	rt			IN00256	674	Jur	ne	20	22	-								
	PRIMAF	RY	1		AE	RATIO	N			SECON	DARY							
	EFFLUE	INT	MIXED L	QUOR				RETURN S	LUDGE	EFFLUE	INT			FINAL E	:FFLUE			
Day Of Month	CBOD5 - mg/l	Susp. Solids - mg/l	Settleable Solids % in 30 minutes	Susp. Solids - mg/l	Sludge Vol. Index - ml/gm	Dissolved Oxygen - mg/l	Temperature - F	Volume - MG	Susp. Solids - mg/l	CBOD5 - mg/l	Susp. Solids - mg/l	Residual Chlorine - Final	Residual Chlorine - Contact Tank	E. Coli - colony/100 ml	pH - daily low (or single sample)	pH - daily high (if multiple samples)	Dissolved Oxygen - mg/l	Oil & Grease (mg/l)
1	54	30	213	2,596	82	5.1	16	7.785	6,060					10	7.7		9.0	
2	100	56	188	2,488	76	2.4	16	7.785	6,240					8	7.6		8.5	
3	76 69	60 67	215	2,936	73	3.2	16	7.785	6,240					8	7.6		8.9	
4 5	- 69 74	43	219 194	2,648 2,992	83 65	5.2 5.3	16 16	7.785	5,740 5,640					7	7.7 7.6		8.9 9.1	
6	61	52	194	2,532	76	3.9	16	7.785	6,160					6	7.6		9.1	
7	90	58	172	2,804	61	4.1	16	8.000	6,120					36	7.5		9.4	
8	105	74	217	2,580	84	3.6	16	7.785	6,320					28	7.6		8.6	
9	84	74	180	2,556	70	4.1	17	7.725	6,200					2,420	7.6		8.5	
10	86	88	228	2,776	82	5.3	17	7.785	6,600					378	7.7		9.0	
11	74	50	229	2,960	77	4.2	17	7.785	6,200					238	7.7		8.8	
12	58	45	222	2,740	81	5.4	16	8.000	5,600					649	7.7		8.9	
13	69	104	214	2,872	75	4.9	17	7.785	6,420					816	7.6		9.1	
14 15	69 62	56 52	202 246	2,856 2,744	71 90	3.6 3.8	17 18	7.785	6,380 5,860					17 6	7.6		8.8 8.3	
16	82	70	240	2,744	79	2.7	18	7.785	7,800					6	7.6 7.6		8.3	
17	113	62	230	2,696	85	4.4	18	7.774	6,100					10	7.6		8.4	
18	145	54	216	2,644	82	5.0	17	7,785	6,480					18	7.7		8,7	
19	47	52	234	2,776	84	4.9	17	7.785	6,340					5	7.7		8.8	
20	57	68	240	2,772	87	4.7	18	7.785	6,380					9	7.7		9.0	
21	98	68	234	2,720	86	4.8	18	7.785	6,380					2	7.7		8,6	
22	61	112	228	2,660	86	3.3	18	7.785	6,100					3	7.6		8.2	
23	71	54	230	2,680	86	2.6	18	7.785	6,160					6	7.7		8,3	-
24	79	70	230	2,956	78	2.7	18	7.785	6,100					8	7.7		8.2	
25	53	62	225	2,448	92	4.6	18	7.785	5,700					4	7.7		8.3	
26 27	55 48	94 68	216 210	2,568 2,552	84 82	4.9 2.8	19 18	7.785 7.785	5,980 6,020					38 3	7.6 7.7		8.2 8.2	
28	77	59	218	2,332	87	2.0	18	7.785	6,220					3	7.7		8.3	
29	89	70	185	2,492	74	3.4	18	1.100	5,560					2	7.6		8.1	
30	52	64	182	2,480	73	3.0	19	7.785	5,920					3	7.7		8.3	
31							· .			-								
٧g.	75	65	214	2,690	80	4.0	17	8	6,167					158			8.6	
Лах	145	112	246	2,992	92	5.4	19	8	7,800					2,420		7.7	9.4	
Min.	47	30	172	2448	61	2.4	16	8	5560					2		7.50	8.1	
	Max													2,420	10			
		ove 235	_		_		-	-	-			1		5				
Data	30	30	30	30	30	30	30	29	30	0	0	1	0	30	30	0	30	

Comments for the Month (major repairs, breakdowns, process upsets and their causes, inplant treatment process bypass, etc.):

	of Facili	0829 (R4 / 01 ty	-20)	Permit Numb	er	Month		Year									
Elkhar	rt			IN00256	74	Ju	ne	20	22								
							F		FLUENT			Г <u>-</u>				I	
		Flow		BOD				Total S	uspende	d Solids	6	Ammor	nia			Phosph	orus
Day Of Month	Day of Week	Effluent Flow Rate (MGD)	Effluent Flow Weekly Average	CBOD5 - mg/l	CBOD5 - mg/l Weekly Average	CBOD5 - Ibs/day	CBOD5 - Ibs/day Weekly Average	Susp. Solids - mg/l	Susp. Solids - mg/l Weekly Average	Susp. Solids - Ibs/day	Susp. Solids - Ibs/day Weekly Average	Ammonia - mg/l	Ammonia - mg/l Weekly Average	Ammonia - Ibs/day	Ammonia - Ibs/day Weekly Average	Phosphorus - mg/l	Phosphorus - Ibs/day
	Wed	14.975		2		202		4		550		0.06		7.5		0,65	81
2	TIM	15,300		2		199		3		383		0.52		66.4		0.57	73
	Fri	14.983	14 000	2	1.00	232	107	3	2.07	400	405	0.05	0.40	6.2	10	0.52	65
4	Sat	13.942 13.600	14.839	3	1.36	306 280	167	3 4	3.27	302 397	405	0.05	0.13	5.8 5.7	16	0.52	60 68
5	Sun	15.280		2		178		4		497		0.05		7.6		0.60	74
7	Mon	21.380		2		380		4		497 624		0.06		64.2		0.58	105
/	Tue Wed	18.675		2		330		4		561		0.30		21.8		0.59	105
 	Wed Thu	15.592		3		334		3		338		0.07		9.1		0.53	69
10	Inu	14.950		2		167		3		349		0.07		8.7		0.45	56
11	FIL	14.070	16.221	2	1.83	90	251	2	3.19	282	435	0.05	0.11	5,9	18	0.37	43
12	Sun	13.960		2		136		2		233		0.05	0111	5,8		0,35	41
13	Mon	17.110		2		283		5		685		0.13		18.6		0,45	64
14	Tue	17.730		2		180		4		562		0.09		13.3		0.42	62
15	Wed	14.717		2		92		3		331		0.61		74.9		0.53	65
16	Thu	14.458		2		61		3		398		0.27		32.6		0.59	71
17	Fri	14.460		2		92		3		362		0.06		7.2		0.70	84
18	Sat	13.520	15.136	2	1.04	98	135	3	3.23	338	416	0.05	0.18	5.6	23	0.73	82
19	Sun	13.780		2		95		4		402		0.06		6.9		1.22	140
20	Mon	13.740		2		120		4		424		0.05		5.7		0.99	113
21	Tue	13.700		2		173		5		606		0.46		52.6		0.86	98
22	Wed	13.700		2		130		4		423		0.15		17.1		0.75	86
	Thu	13.400		2		130		4		492		0.11		12.3		0.80	89
24		13.100 12.600	13.431	2 2	1.14	94 150	127	6 6	4.57	623 599	510	0.09	0.14	9.8 8.4	16	0.54 0.53	59 56
20	Sat Sun		13,431	2	1.14	221	121	6	4.07	929	510	0.08	0.14	0.4 10.2	0	0.53	74
20	Sun Mon	13.500		2		113		4		462		0.07		13.5		0.31	52
28	Mon Tue	13.800		2		251		6		645		0.12		11.5		0.40	67
	Wed	13.800		2		274		8		944		0.16		18.4		0.59	68
	Thu	13.600	14.526	2	2.23	216	286	6	7.01	681	865	0.19	0.25	21.6	33	0.73	83
31																	
Avg	J	14.827		2		187	and is able	4		494		0.15		18.5		0.60	75
Max		21.380	16.221		2.23	380	286	8	7.01	944	865	0.61	0.25	74.9	33	1.2	140
Min		12.600	13.431	2	1.04	61	127	2	3.19	233	405	0.05	0.11	5.6	16	0.4	41
Data	3	30	5	30	5	30	5	30	5	30	5	30	5	30	5	30	30

	MONTHLY RE	MOVAL SUM	MARY		Total Monthly Flo	w:
Percent Removal	BOD5	S.S.	Ammonia	Phosphorus	(million gallons)	445
Primary Treatment	26.74	51.5				
	NA	NA			Percent Capacity	
Secondary Treatment	97.3	93.6			(actual flow/design)	74%
Overall Treatment	97.99	96.9	99.1	83.1		
Phosphorus limit would be	75	% removal.	(compliance a	achieved)	·	

Eikhart IN0026674 June 2022 SUDGE TO DiGESTER OPERATION Digester OPERATION Digester OPERATION Digester OPERATION 01 <td< th=""><th>State For Name of F</th><th>m 10829 (F acility</th><th>R4 / 01-20) Permit Numt</th><th>per</th><th>Month</th><th></th><th>Year</th><th></th><th> </th><th></th><th></th><th></th><th></th><th></th><th></th></td<>	State For Name of F	m 10829 (F acility	R4 / 01-20) Permit Numt	per	Month		Year								
DIGESTER Anaerobic Only L <thl< th=""> L <thl< th=""> L</thl<></thl<>	Elkhart		IN00256	674	Ju	ne	20	22							
DIGESTER Anaerobic Only L <thl< th=""> L <thl< th=""> L</thl<></thl<>				1	•									1	
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$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$				Anaero	bic Only										
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			Waste Act. Gal. x 1		Gas Production Cubic Ft. x 1000	Temperature -		Supernatant BOD5 mg/l or NH3-N mg/l				Nolatile Solids in Digested	Digested Sludge Withdrawn hrs. or Gal. x 1000		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$													127.61		
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11 29.01 244.80 7.2 95 67.203 5.42 1.81 73.93 58.57 Image: constraint of the state o		30.96	243.36	7.2		95			4.62			57.76			
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Once completed, this form should be converted to a pdf document, named appropriately & attached to the corresponding netDMR for submittal

State For Name of F	r <u>m 10829 (I</u> Facility	R4 / 01-20) Permit Num	ber	Month		Year		1								
Elkhart		IN0025	674	Ju	ne	20)22									
				State Form	30530		Y	1		r						
	011	Final oride	Effluent		-	1										
		oride	Total i	Vitrogen	-											
Day Of Month	Chloride - mg/l	Chloride - Ibs/day	Total Nitrogen- mg/l	Total Nitrogen- Ibs/day	Ag - Influent mg/l	Ag - Effluent mg/L	Cd - Influent mg/L	Cd - Effluent mg/L	CN - Influent mg/L	CN - Effluent mg/L	Cr - Influent mg/L	Cr - Effluent mg/L	Cu - Influent mg/L	Cu - Effluent mg/L	Hg - Influent ng/L	Hg - Effluent ng/L
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3															21.30	2.12
5 6																
7			14.40	2,568	0.0008	0.0002	0.0004	0.0002			0.0311	0.0002	0.0761	0.0041		
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31 Ava	223	25,294	14.40	2,568	0.0024	0.0002	0.0004	0.0002			0.0211	0.0002	0.0764	0.0044	01 27	2 11
Avg. Max.	223	25,294		2,000			0.0004				0.0311	0.0002	0.0761	0.0041	21.30	2.12
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WASTEWATER TREATMENT PLANT

State F Name c	Form 10829 of Facility	<u>(R4 / 01-20)</u> Permit Numb) ier	Month		Year]								
Elkhar	t	IN00256	674	Ju	ine	20	22									
			stitute for			I										
													Γ	1		Τ
Day Of Month	Ni - Influent mg/L	Ni - Effluent mg/L	Pb - Influent mg/L	Pb - Effluent mg/L	Zn - Influent mg/L	Zn - Effluent mg/L										
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2 3														1	1	1
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6																
7	0.0190	0.0065	0.0034	0.0010	0.2650	0.0377										
8																
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Avg.	0.0190	0.0065	0.0034	0.0010	0.2650	0.0377									1	[
Max	0.0190	0.0065	0.0034	0.0010	0.2650	0.0377						1				
Min.	0.0190	0.0065	0.0034	0,0010	0.2650	0.0377										
Data	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	



Design I	ing Period Peak Houri Pinfluent Average Daily Flow (MGD) 14.68 14.15	ly Flow (N	Time	2022 44 Pr	Design Ave	erage Flow					E	nter "x" il	no	CSO disch	arg	e occurred	for I	the month	39 1
WWTF Day of Month 1 2	Average Daily Flow (MGD)	Data Peak Hourly Flow	Time			erage Flow													10.00
Day of Month 1 2	Average Dally Flow (MGD) 14.68	Peak Hourly Flow		Pr	ecipitation D		(MGD):	20		Measured/	Met	ered (M) c	or E	stimated (E	i) mi	ust be spec	lfied	j	
Month 1 2	Dally Flow (MGD) 14.68	Hourly Flow				Data			<u> </u>	SO Outfall	No.	005			<u> </u>	SO Outfall	No.	006	
2			Precip. Began (am/pm)	Precip. Duration (Hours)	Total Daily Precip. (Inches)	Peak Intensity (Inch/hr)	Measureme nt Interval (hr, 30 m, 15 m)	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharg e (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	1
angalan kasu. Angalan kasu	14 15	21.48	9:19 AM	1.83	0.12	0.16	15 min												Τ
3	11110	16.16	5:39 AM	0.08	0.01	0.04	15 min												
	14.34	19.23					15 min			-									
4	13.38	15.67					15 min												
5	13.22	15.51					15 min												
6	14.69	30,46	12:51 PM	11.22	0.24	0.32	15 min												Ι
7	14.89	27.37	12:01 AM	11.05	0.22	0.08	15 min												Τ
8	18.77	53,78	2:16 PM	8.92	0.85	0.88	15 min							5:57 PM	м	0.42	м	0.0172	V
9	14.55	16.78					15 min												
10	13,86	20,05	9:50 AM	1.02	0.04	0.12	15 min												Τ
11	13.25	15.72					15 min												Ţ
12	13.01	15,15					15 min												Ī
13	16.66	42.60	9:06 PM	0.80	1.06	2.28	15 min							9:18 PM	м	0.75	м	0.6573	N
14	16.34	29.10					15 min												T
15	14.87	15.60					15 min												T
16	13.83	15,20					15 min												T
17	14.08	16.00					15 min												T
18	13.44	15.20					15 min												T
19	13.65	16.10					15 min												T
20	13.98	15.60					15 min												T
21	13.79	15.40					15 min												T
22	12.89	15,20					15 min												T
23	14.15	15,70					15 min												Ť
24	13.33	15.00					15 min												T
25	12.79	14.20					15 min												T
26	18.60		1:36 AM	1.90	0.73	2.32	15 min							2:08 AM	м	0.50	м	0.4668	N
27	12.40	13.80					15 min												Ť
28	12.50	14.20					15 min										\square		t
29	12.70	13.80					15 min												T
30	12.70	14.80					15 min										\square		t
rotel		ingu a	a an	20.00	2.07			0	Da	0.00		0		3	Da	4 67		1 4 4 4 0	
Totals: Typed o	425.47 r Printed N	lame and	Title of Prir	36,82 ncipal Exec	3,27 autive Office	r or Autho	rized Agent	0	уз	0,00		<u> </u>		Telephone	ys .	1.67		1.1413	
			Laura	E. Kol	o, Utiliti	ies Sei	vices N	/lanage	er						57	4-293-	25	572	
VITH A NQUIRY SUBMIT	SYSTEM D (OF THE I TED IS, TO	DESIGNE PERSONS D THE BE	Y OF LAW T D TO ASSUF S WHO MAN ST OF MY K	THAT THIS RE THAT Q AGE THE S NOWLED	DOCUMENT UALIFIED P SYSTEM OR GE AND BEL	AND ALL ERSONNE THOSE PI IEF, TRUE	ATTACHME L PROPERL ERSONS DIF , ACCURAT	NTS WERE Y GATHER RECTLY RE E, AND COM	ANI SPC	D EVALUAT DNSIBLE FO ETE. AM	re t Dr (AW	HE INFO	RM/ NG NT 1	ATION SUB THE INFOR THERE ARE	MIT MA	ted. Base tion; the	ED C	ON MY	N
			MATION, IN utive Office		THE POSSIE		INE AND IN	IPRISONME	INT.	FOR KNOW	VINC	S VIOLAT	ION	S. Date (mm/	dd/v	w)			



		NIC	P ENVIRC	INME	NTAL MAN	VAG	EMENI													}				
<u>City:</u>	Elkhart												Page 2	<u>2 of</u>	9			Perm	nit Number:	<u>IN</u>	0025574			1998 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -
Facility:	Elkhart P	ubli	c Works	8. L	tilities		a ning palakana	59400 ⁷		oj ja sea					Public No	tlfic	ation Requ	Iren	nents Met?	Y				2333 3
Monitor	ng Period	00006	Ju	ne	2022										En	ter	"x" if no (cso	discharge	<u>ə oc</u>	curred f	or th	e month	
Design I	Peak Flow	(Ηοι	urly) (MG	D):	44		Design Fl	ow	(MGD):		20		Measured/	Met	ered (M)	or E	stimated (I	<u>=) m</u>	ust be spec	lfie	d			
		CS	O Outfall	No.	007			CS	O Outfall	No,	008			cs	O Outfall	No.	009			C	SO Outfal	<u>l No.</u>	011	
Day of						M	Time Discharge		Event Duration	M or	Event Discharge		Time Discharge										Event Discharge	
Month 1	Began	E	(Hours)	E	(MG)	E	Began	Е	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	lor E	(MG)	or
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4						$\left \cdot \right $		$\left \cdot \right $						-		-								
5						\square														-				
6						$\left - \right $		$\left \right $												-				
7																								-
8	5:46 PM	м	1.47	М	0.2489	М							5:55 PM	м	1.08	M	0.0470	Μ	l					
9														-										ļ
10								$\left - \right $														-		
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12										<u> </u>						-								
13	9:31 PM	м	1.42	м	0.2434	М	9:25 PM	м	0.17	м	0.0290	м	9:35 PM	м	1.33	М	0.0559	М	9:18 PM	м	0,58	М	0,0458	M
14														-						ļ				
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16																<u> </u>		ļ		<u> </u>		ļ		_
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26 27	2:21 AM	м	1.33	м	0.2237	М	2:10 AM	м	0.25	м	0.0430	м	2:26 AM	м	1.17	м	0.0506	м	2:07 AM	м	0.42	М	0.0338	м
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28		$\left \right $				+														-				
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30	The state of the s			1 53555		1840				104038		100000			999329530000	- State	1000 yr ddiweddiad				Reservations	10000		3 646
Totals:	3	Da ys	4.22		0.7160		2	Da ys	0,42		0.0720		3	Da ys	3,58		0.1535		2	Da ys	1.00		0.0796	



City:	Elkhart			214111		140							Page	3 of	9		Pr	erm	nit Number:	IN	0025574			
Vielen and	Elkhart P	ubli	c Works	; & l	Utilities											fica		1	nents Met?	ž				
	ing Period:			ine	2022										Section of	382			discharg		curred	for th	e month:	
102016233	Peak Flow				44		Design Fl	low	(MGD):		20		Measured/	Met		14.15		(kai)	nust be spi	1				
			O Outfall		012) Outfall	No.	013				O Outfall	1826					SO Outfal	ll No.	015	
Day of	Time	M	Event	M	Event	M		M	Event	м	Event	M		M	Event	M		M or	Time Discharge	M	Event		Event Discharge	M
Month	Began		(Hours)		(MG)	E	Began	E	(Hours)	E	(MG)	E			(Hours)	E	(MG)	E		E	(Hours)	or E	(MG)	E
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3								-						-										
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8	5:42 PM	М	0.83	м	0.0144	м	5:47 PM	м	0.17	м	0.0007	м				┢╴			5:46 PM	м	1.00	м	0.0723	M
9																					1.00	1	010720	
10																						1		1
11																						1		1
12																								
13	9:27 PM	м	0.83	м	0.0682	м	9:27 PM	м	0.58	м	0.0972	м							9:27 PM	м	1.08	м	0.3309	м
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26 97	2:12 AM	м	0.67	м	0.0373	М	2:12 AM	м	0.50	М	0.0820	М							2:17 AM	М	0,83	М	0.1735	M
27				$\left \cdot \right $		+																		
28				$\left - \right $		$\left \right $				_												-		
29 20		$\left \cdot \right $		$\left - \right $		H												_						
30		Da						D-		10.98				Da				333		Da				1
Totals:	3	ys	2.33		0.1199		3	Da ys	1.25		0.1799		0	ys	0.00	1990 1990	0.0000		3	ys	2.91		0.5767	



	Elkhart		i mittite		NTAL MAN	110							Page 4	4 of	9			Pern	nit Number	IN	0025574			
100000000	Elkhart P	ublio	c Works	& U	Itilities											ifica		0.433	nents Met?	3				
	ing Period:		Ju		2022														discharge		curred fe	or th	e month:	
Design I	Peak Flow	(Hol	urly) (MGI	D):	44		Design Fl	ow	(MGD):		20		Measured/	Met	ered (M) o	or E	stimated (E) n	ust be spe	cifi	ed			
		CS	<u>O Outfall</u>	No.	016			CS	O Outfall	No.	017			CS	O Outfall	No.	018			<u> </u>	SO Outfal	<u>l No.</u>	019	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	Mor	Event Discharge (MG)	Mor	Discharge	전 전	Event Duration (Hours)	M or E		M or E		M or E		M or E		MorE		M 01 E	Duration			
1	Deyan		(nouis)		(moj		Began	<u> </u>	Induisi		(MG)	ाहरू	Began		(Hours)		(MG)		Began		(Hours)		(MG)	or E
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13	9:38 PM	м	0.58	м	0.0778	м	9:32 PM	м	1.17	м	0.2473	м	9:25 PM	м	2.58	м	0.3174	м						
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Totals:	2	Da ys	1.00		0.1077		2	Da ys	1.84		0.3851		4	Da ys	7.56		0.7511		0	Da	0.00		0.0000	



	DEPARTME Elkhart		JF EINVIRG	JINIME		VAG							Page	5 of	9			Zorn	nit Number:	IN	0025574			
6.0460.00	Elkhart P	ubli	c Works	. 2 1	Itilities								Tage			160		14353	nents Met?	1	00200/4			
	ing Period			ine	2022														discharge		L curred f	or th	e month	
Series Series	Peak Flow				44		Design Fl	low	(MGD):		20		Measured	Met					ust be spe				<u>e montin</u>	
		9486	O Outfall		020			2843	O Outfall	No.	2				O Outfall						SO Outfal	I No.	025	
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Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Discharge	M or E		M or E	Event Discharge (MG)	M or E	Time Discharge Began					M or E	Time Discharge Began		Event Duration (Hours)		Event Discharge (MG)	e M or I
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8	5:40 PM	м	0,75	м	0.0475	м	5:24 PM	м	1.08	м	0.0770	м	5:43 PM	м	1.17	м	0.0810	м	5:33 PM	м	0.75	м	0.0146	м
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13	9:20 PM	м	0.92	м	0,0609	М	9:19 PM	М	0,83	м	0.1039	М	9:28 PM	М	1.83	м	0.3907	М	9:18 PM	м	0.75	М	0.1862	м
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Totals:	4	Da ys	3.59		0.2049		3	Da ys	2.49		0.2525		3	Da ys	4.00		0.5730		3	Da ys	2.00		0.3156	



National Pollutant Discharge Elimination System (NPDES) CSO Monthly Report of Operation (CSO MRO) State Form 50546 (R4 / 9.15) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

10.0804740	<u>DEPARTME</u> Elkhart	-NT C		JININE		<u>NAG</u>							Page (6 of	9			Pern	nit Number:	IN	0025574			<u></u>
10000	Elkhart P	ubli	c Works	. & L	Jtilities									1		lfica			nents Met?	i.				
1933-1933	ing Period			ine	2022												0.000	68.838	discharge		curred for	or th	e month:	
	Peak Flow		urly) (MG	iD):	44		Design Fl	low	(MGD):		20		Measured/	Met					ust be spe					
		cs	O Outfall	No.	026			824	O Outfall	No.	027			cs	O Outfall	No.	028			C	SO Outfal	l No.	029	
Day of	Time Discharge	Mor	Event Duration	M or E	Event Discharge	Mor	Discharge	Mor	Duration	Mor	Event Discharge	M of C	Time Discharge	Mor	Event Duration	M	Event Discharge	M		M	Duration	M	Event Discharge	a M
Month 1	Began		(Hours)		(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	8 8 8	(MG)	E	Began	<u> E</u>	(Hours)	OrE	<u>(MG)</u>	or E
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Totals:	2	Da ys	0,58		0.0148		2	Da ys	0.91		0.0639		0	Da y₅	0.00		0.0000		2	Da ys	0.91		0.0389	



National Pollutant Discharge Elimination System (NPDES) CSO Monthly Report of Operation (CSO MRO) State Form 50548 (R4 / 9-15) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

	DEPARTME	INT C	FENVIRO	JNME	INTAL MAP	AG	EMENI							0130						1				
	Elkhart												Page 7			588			<u>nit Number:</u>	à	0025574			
Facility:	Elkhart P	ubli	c Works	5 8, L	Jtilitles	-		8.08		0,0344		365)S		P	ublic Not	ifica	tion Requ	ilren	nents Met?	Y			1.57	
Monitor	ing Period	:	Ju	ine	2022										Ent	<u>er "</u>	x" if no C	so	discharge	00	curred f	or th	e month:	
Design	Peak Flow	<u>(Ho</u>	urly) (MG	D):	44	line.	Design Fl	low	(MGD):		20	1055225	Measured/	Met	ered (M) o	or E	stimated (E) m	ust be spe	cifie	d			
		CS	O Outfall	No.	031			CS	O Outfall	No.	032		<u> </u>	<u>cs</u>	O Outfall	<u>No.</u>	033			<u>, C</u>	SO Outfal	<u>l No.</u>	034	
Day of Month	Time Discharge Began		Event Duration (Hours)		Event Discharge (MG)	M. or E	Discharge	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Discharge	Mor	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began		Event Duration (Hours)		Event Discharge (MG)	• M or E
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8 9	5:51 PM	м	0,33	м	0.0020	м	6:00 PM	м	1.73	м	0.1541	м	5:50 PM	м	0,50	м	0.0106	м	-	-				
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13	9:36 PM	M	0.67	м	0.0754		9:20 PM	M	2.42	м	0.2438	M	9:30 PM	м	0.83	м	0.4226	M	9:16 PM	M	0.33	м	0.0226	M
14	9.00 F W	141	0.07		0.07.54		3.20 F W		2.72		0.2400		3.30 FIV		0.00		0.4220		9.10 FW		0.33		0.0220	11/1
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Totals:	3	Da ys	1,25		0,0800		3	Da ys	5,15		0,4385		3	Da ys	1.91		0.7725		2	Da ys	0.58		0.0396	



National Pollutant Discharge Elimination System (NPDES) CSO Monthly Report of Operation (CSO MRO) State Form 50546 (R4 / 9-15) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

City:	Elkhart	INT C	F ENVIRC	NYIME	INTAL MAP	VAG	EWENI						Page 8	۱ of	9		in an sea	Pern	nit Number;	IN	0025574			
246165054	Elkhart P	ubli	c Works	81	Itilities											fice			nents Met?	3				
123333	ing Period			ine	2022														discharge		curred fo	or th	e month:	
STREET STREET	Peak Flow	216.78		2018/00	44		Design Fl	ow	(MGD):		20		Measured/	Met		hasi.			ust be spe					
			O Outfall		037				O Outfall	No.	039				O Outfall						SO Outfal	No.		
															in de la compañía de									
Day of Month	Time Discharge Began	M or F	Event Duration (Hours)	M or F	Event Discharge (MG)	M	Time Discharge Began	M or F	Event Duration (Hours)	M or F	Event Discharge (MG)	M or F	Time Discharge Began	M or F		M or E		M or E	Time Discharge Began	M or F		M	Event Discharge (MG)	M or E
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Totals:	3	Da ys	5,50		4,3957		3	Da ys	2.25		0,0913		4	Da ys	5.13	00000	0.3497		0	Da ys	0.00		0.0000	



National Pollutant Discharge Elimination System (NPDES) CSO Monthly Report of Operation (CSO MRO) State Form 50546 (R4 / 9-15) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

City: Elkhart			Page: 9 of 9	Permit Number: IN0025574
Facility: Elkhart Public	: Works & Utilities		Public Notific	ation Requirements Met? Y
Monitoring Period:	June 2022		Enter "x" if no	CSO discharge occurred for the month:
Design Peak Hourly Fl	ow (MGD): 44	Design Average Flow (MGD): 20		
Design Feak nouny ri	UW (MGD): 44	Design Average Flow (MGD): 20		
Day of Month Comments	s (further explanation as	to why each CSO event occurred)		
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18 CSO 20 DWC	D - power outage			
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29 30				
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Typed or Printed Name	e and Title of Principal Exe	cutive Officer or Authorized Agent		Telephone
		lo, Utilities Services Manag	ier	574-293-2572
I CERTIFY UNDER PER		DOCUMENT AND ALL ATTACHMENTS WE		
WITH A SYSTEM DESI	GNED TO ASSURE THAT	QUALIFIED PERSONNEL PROPERLY GATHE	R AND EVALUATE THE INFORM	ATION SUBMITTED. BASED ON MY
		SYSTEM OR THOSE PERSONS DIRECTLY I		
		GE AND BELIEF, TRUE, ACCURATE, AND C THE POSSIBILITY OF FINE AND IMPRISON		
	Executive Officer or Autho			Date (mm/dd/yy)
1	11	Tiena Liñaug		
Iau	ra NI	در		07/25/22





BYPASS / OVERFLOW INCIDENT REPORT State Form 48373 (R7 / 4-16) Indiana Department of Environmental Management

Office of Water Quality

INSTRUCTIONS: Complete all parts of this form and email signed copies to <u>wwreports@idem.IN.gov</u>. Submittal of this report will satisfy the Office of Water Quality (OWQ) telephone and written bypass/overflow reporting requirements of your NPDES permit. Please use and the second page of this form as necessary to identify **separate locations caused by the same event**. If you have any questions while filling out the report form, please contact Renee Repar at (317) 232-6770 or <u>rrepar@idem.in.gov</u>.

To report a spill or if the release is resulting in a fish kill or other severe environmental damage, immediately report the release to the Emergency Response Section spill response line at: (317) 233-7745 or toll free within Indiana at (888) 233-7745.

(1) Facility Na	me (Organization)		(2) Mailing A		L INFORMAT		(3) C	ounty		(4) NPDES Permit
• •	ublic Works		1201 S.	Nappan	ee Street	·	1	hart		IN00025674
					RMATION (L	ocation 1)				
(5) Outfall Number	(6) Date <i>(mm/dd/yy)</i> Release Began	and Time	(7) Date <i>(mm/dd/yy)</i> Release Stopped	and Time	(8) Location of	Release (streets addre Station, Force Main etc.)		(9) Latitude (Deg Min S		(9) Longitude (Deg Min Sec)
035	6/13/22 11:05	□ AM ☑ PM	unknown	AM PM	206 Glenc			41 41 :		85 57 22 W
	of Flow Released	•	vays provide a voli unknown			(11) WWTP Flow Duri	ng Relea	ase (12) \ 44	NWTP P MG	eak Design Flow Rate
Sanitary S Treatment Prohibited	<u> <u> </u> <u> Estimated </u> <u> L</u> <u> ype (Select one.)</u> ewer Overflow Bypass (at wastev Combined Sewer C er Combined Sewer Sewer System Rel </u>	Overflow r Overflow	(14 n/a) Describe	any damage t	o aquatic life or recei	ving str		NG	<u> </u>
	or Bypass / Overflo		one or more.)							
debris	component(s) r more.) eral e ion Failure Bypassed ructure /alve in Out er: <i>(in the box belov</i>	Eve Wor 6/15 obs on 6 bele just	Additional Descrip nt submitted via 3 ks was not notifie 5/22 at 10:35 am). tructed, removed o 6/15/22. No back-u sive because flows during the time of	otion of the 11 ap at 11 d until 6/18 Crews dis debris and up at time v had sbusi heavy rair	Bypass / Ove 1:05 pm on 6/1 5/22 (Lucity we spatched, foun flow returned ve were remov ded, the back- o on 6/13/22.	rflow Event: 3/22. Public ork request d flow partially to normal by 3 pm ving debris, we	(18) D (Cheo	escription c ck all that a ected Priva sement Bac curred at Ti ached Publ ached Reco	of the Ai oply.) te Proposkup reatmer lic Land eiving V	rea Impacted erty nt Plant
	l organizations noti rgency Response	Healt			or more.) sh and Wildlife	Local Emerge	ncy Mai	nagement	🗹 Oth	ier:
										n/a
(20) Actions T (Select one or Removed I	more of the follow	linimize, or ing, then ac paired Pipe	dd a written descrij	otion.)	-	reatment of Affected		-Up Debris		
(21) Resolutio	n: Actions Taken o	r Planned t	o Prevent Recurre	nce						
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					ON AND SIGN	Made and a second s		- 17 - 1. 		
designed to as manage the sy belief, true, ac	ssure that qualified ystem, or those per	personnel sons direct ete. I am a	properly gather an ily responsible for ware that there are	d evaluate gathering t significan	the information he information t penalties for	ter my direction or su on submitted. Based of the information sub submitting false infor or an electronic subs	on my i mitted i mation	inquiry of th is, to the be , including t	ie perso st of my he poss	on or persons who / knowledge and sibility of fine and

SIGNATURE:	Le WD		DATE (month, day, year): <u>6/15</u>	/22
Individual Making Report (<i>printed</i>)	Telephone Number	Contact Email	Date (<i>month, day, year</i>) / Time IDEM Notified 6/15/22 appx 3:30 pm	AM
Laura Kolo	(574) 293-2572	laura.kolo@coei.org		M PM

Kolo, Laura

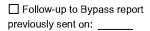
From:	postmaster@state.in.us
То:	wwreports@idem.in.gov
Sent:	Wednesday, June 15, 2022 3:38 PM
Subject:	Relayed: Emailing: IN0025674_INC_RPT_2022_06_01

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

wwreports@idem.in.gov (wwreports@idem.in.gov)

Subject: Emailing: IN0025674_INC_RPT_2022_06_01







State Form 48373 (R7 / 4-16) Indiana Department of Environmental Management Office of Water Quality

INSTRUCTIONS: Complete all parts of this form and email signed copies to <u>wwreports@idem.IN.gov</u>. Submittal of this report will satisfy the Office of Water Quality (OWQ) telephone and written bypass/overflow reporting requirements of your NPDES permit. Please use and the second page of this form as necessary to identify separate locations caused by the same event. If you have any questions while filling out the report form, please contact Renee Repar at (317) 232-6770 or <u>rrepar@idem.in.gov</u>.

To report a spill or if the release is resulting in a fish kill or other severe environmental damage, immediately report the release to the Emergency Response Section spill response line at: (317) 233-7745 or toll free within Indiana at (888) 233-7745.

(1) Eacility Na	me (Organization)		(2) Mailing A	· · ·	L INFORMAT		(3) Co	unty	936- BE	(4) NPDES Permit
	iblic Works			•	, , ,	zailonj		•		
	IDIIC WOIKS			•••	ee Street		Elkh	art		IN00025674
(5) Outfall Number	(6) Date <i>(mm/dd/yy)</i> Release Began	and Time	(7) Date (mm/dd/yy) Release Stopped			ocation 1) Release (streets addres Station, Force Main etc.)	ss or	(9) Latitude (Deg Min Sec	c)	(9) Longitude (Deg Min Sec)
20	6/18/22 9:05	AM PM	6/18/22 10:10	₽ AM	CSO 20, E	Bridge and Hudso	n	41 41 28	5 N	85 57 22 W
· · ·	f Flow Released		vays provide a voli	,	A	(11) WWTP Flow Durir	ng Releas	, , , , , , , , , , , , , , , , , , , ,		eak Design Flow Rate
Check one:		Actual		Gallons		15.2 MGD		44	MG	D
Sanitary S Treatment Prohibited Dry Weath	pe (Select one.) ewer Overflow Bypass <i>(at wastev</i> Combined Sewer C er Combined Sewe Sewer System Rel	Overflow r Overflow ease	n/a) Describe	any damage t	o aquatic life or receiv	/ing stre	am:		
	or Bypass / Overflo				—	—				
power outage (19) Additiona	component(s) - more.) e on Failure Bypassed ucture /alve n Out er: <i>(in the box below</i>	gen inve prop inclu ema	Additional Descrip ver loss at appx 8:2 erator. Overflow s asitigating if the au perly or not. We w uding the 70% ear ails on 6/21/22.	tion of the to am. Ma topped at 1 tomated no vere not m ly warning, Select one	Bypass / Ove Intenance con 0:15 am. We otification syste ade aware unt event start an	rflow Event: tacted with are still am worked il reading emails id event end	(18) De (Check D Affe Base Occ Rea W Rea W Rea Name c St Joe	scription of (all that app cted Private ement Back urred at Tre ched Public ched Receiv of Receiving River	the Ar b/y.) Prope up atmen Land /ing W	ea Impacted erty it Plant /ater r Impacted:
	rgency Response		п Бері. [sh and wiidille		icy iviana	agement L		
(00) A stille is a T	-line to During M		Miller D)		•			n/a
(Select one or	aren to Prevent, M more of the followi Blockage ☐ Re erator for interim po	ing, then ac	dd a written descrij	otion.)	·	reatment of Affected		Jp Debris		
(21) Resolutio	n: Actions Taken o	r Planned t	o Prevent Recurre	nce						
have budgete	d to expand genera	ator fleet in	cluding some stati	onary units	s in 2022					
(22)										
					ON AND SIGN	and a state of the second s				
						ler my direction or su n submitted. Based o				

designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (The area below is for a handwritten signature or an electronic substitute then fax or scan to PDF for emailing.)

SIGNATURE: Laura K	57.9		DATE (month, day, year): <u>6/21</u>	/22
Individual Making Report <i>(printed)</i>	Telephone Number	Contact Email	Date (<i>month, day, year)</i> / Time IDEM Notified 6/21/22 appx 3:40 pm	AM
Laura Kolo	(574) 293-2572	laura.kolo@coei.org		M PM

Kolo, Laura

From:	postmaster@state.in.us
Sent:	Tuesday, June 21, 2022 3:36 PM
То:	Kolo, Laura
Subject:	EXTERNAL: Relayed: Emailing: IN0025674_INC_RPT_2022_06_02
Attachments:	EXTERNAL: Relayed: Emailing: IN0025674_INC_RPT_2022_06_02

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BYPASS / OVERFLOW INCIDENT REPORT

State Form 48373 (R7 / 4-16) Indiana Department of Environmental Management Office of Water Quality

INSTRUCTIONS: Complete all parts of this form and email signed copies to <u>wwreports@idem.IN.gov</u>. Submittal of this report will satisfy the Office of Water Quality (OWQ) telephone and written bypass/overflow reporting requirements of your NPDES permit. Please use and the second page of this form as necessary to identify separate locations caused by the same event. If you have any questions while filling out the report form, please contact Renee Repar at (317) 232-6770 or <u>rrepar@idem.in.gov</u>.

To report a spill or if the release is resulting in a fish kill or other severe environmental damage, immediately report the release to the Emergency Response Section spill response line at: (317) 233-7745 or toll free within Indiana at (888) 233-7745.

(1) Facility Na	me (Organization)		(2) Mailing A		LINFORMAT		(3) C	ounty	an ann ailtean Glais an	(4) NPDES Permit
	ublic Works		1201 S. I	Nappan	ee Street		Elk	hart		IN00025674
					RMATION (L	ocation 1)				
(5) Outfall Number	(6) Date <i>(mm/dd/yy) a</i> Release Began) Date <i>(mm/dd/yy)</i> elease Stopped	and Time	(8) Location of	Release (streets addre Station, Force Main etc.)			atitude Min Sec)	(9) Longitude (Deg Min Sec)
			6/26/22 1:40	AM M PM	923 Richm		·		40 46 N	85 57 42 W
• •	of Flow Released	• •	s provide a volu/s 793	,		(11) WWTP Flow Duri 14.1 MGD	ng Relea	ase	(12) WWTP P 44. MG	eak Design Flow Rate
Sanitary S Treatment Prohibited Dry Weath	pe (Select one.) ewer Overflow Bypass <i>(at wastewa</i> Combined Sewer O er Combined Sewer Sewer System Rele	verflow Overflow ase	(14) n/a	Gallons Describe	any damage to	o aquatic life or recei	ving str	eam:	<u>,</u>	
	or Bypass / Overflow	•			eare	_			_	
Construction (16) System C (Select one or Manhole House Late Pipe Failur Pump Stat Treatment Other Influent Str Air Relief N Sewer Clear Describe Other main plugged	component(s) r more.) eral e lon Failure Bypassed ucture /alve n Out er: (In the box below)	grease	e ☐ Equipme dditional Descrip me in at 11:41 a e. Line opened a	tion of the im. Crews	Bypass / Ove found main li		(18) D (Cheo ☐ Aff ☑ Ba ☐ Oc ☐ Re ☐ Re	escrip ck all t ected semer currec acheo acheo	Precipita otion of the Ar that apply.) Private Propent Backup at Treatment d at Treatment Public Land Receiving Wate	rea Impacted erty it Plant Jater
<u>.</u>	l organizations notifi				•					
IDEM Eme	rgency Response	Health D	Dept.	DNR Fis	h and Wildlife	Local Emerger	тсу Ма	nagen	nent 🗹 Oth	er:
										n/a
(Select one or	aken to Prevent, Mir more of the followin Blockage	g, then add		otion.)	•	reatment of Affected	Area Clean	-Up D	ebris	
(21) Resolutio	n: Actions Taken or	Planned to F	Prevent Recurre	nce						
continue to ea	luate residents on p	roper grease	disposal							
(22)				TIEICATH	NI AND CICH		/			
I certify under	nenalty of law that th	nis documen			DN AND SIGN	er my direction or su	nenvisiv	n in a	ocordance w	ith a system
designed to as manage the sy belief, true, ac	sure that qualified p stem, or those perse	ersonnel pro ons directly i e. I am awai	perly gather and responsible for g re that there are	d evaluate athering ti significant	the information ne information, t penalties for s	n submitted. Based the information sub submitting false infor or an electronic subst	on my i mitted i mation,	nquiry s, to tl inclue	/ of the person ne best of my ding the poss	n or persons who knowledge and ibility of fine and

SIGNATURE:	=		DATE (month, day, year): <u>6/27</u>	/22
Individual Making Report (printed)	Telephone Number	Contact Email	Date (<i>month, day, year)</i> / Time IDEM Notified 6/27/22 appx 12:25 pm	AM
Laura Kolo	(574) 293-2572	laura.kolo@coei.org		M PM

Kolo, Laura

From:	postmaster@state.in.us
Sent:	Monday, June 27, 2022 12:25 PM
То:	Kolo, Laura
Subject:	EXTERNAL: Relayed: 062622 incident report
Attachments:	EXTERNAL: Relayed: 062622 incident report

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, , , , , , , , , , , , , , , , , , ,	Jume 2022	>		11 12	
	YEAR:	No Distribution		10	
CING AND DISTRIBUT NANNUAL REPORT FORM (Complete and submit this form to IDEM by January 31 of each year)	Elkhart Public Works & Utilities	Class A Pathogen Reduction Method (attach sample results when applicable) Check appropriate box, give explanation if more than one is applicable 327 IAC 6.1-4-13 Alternative 1 Alternative 2 Alternative 2 Alternative 3	Xector Attraction Reduction Method (attach sample results when applicable) Check appropriate box, give explanation if more than one is applicable 327 IAC 6.1-15 X Option 1 38%VSR Option 1 38%VSR Option 5 Aerobic Option 2 Anaerobic/Bench Option 6 Alkali Option 3 Aerobic/Bench Option 7 75% Solids Option 4 SOUR Option 8 90% Solids as dry weights Enter detection limit when result is nondetectable	4	
MARKETING AND (Complete and	PERMIT NO.: <u>INLA 000680</u> FACILITY NAME:	MonthDry TonsLab. No.Class A PathJanuaryCorrespondsCheck appropriatFebruaryto lab data32MarchenteredXAprilbelow)below)	Enter heavy metals results	Lab Nos.: 1 2 3	Enter PCB results as dry we



DateAug 26, 2022Memo ToBoard of Public WorksMemo FromLaura Kolo, Utility Services ManagerSubjectWastewater Utility Monthly Report of Operations
for the month of July, 2022

Wastewater MRO Highlights

	and the second	
Parameter	Monthly Avg	Permit Limit
Suspended Solids mg/L	8	30
cBOD5 mg/L	3	25
Phosphorus mg/L	0.7	1.0
Ammonia mg/L	0.22	4.4 (Dec-Apr) 4.2 (May-Nov)
Avg Daily Flow MGD	14.83	Design - 20
Total Monthly Flow MGD	460	Report

Incident Reports Filed

Date	Location	Volume (gal)	Cause
		None	

Wet Weather Overflows

Number of Events	Total Overlfow Volume (MG)
9	17.653

Signing Process Confirmation - CDX Activity ID: _f2cefb9e-c714-4766-be7b-f7217717f627

our DMRs are undergoing the Signing Process

Manufactorial Description Manufactorial Manufactor	5	Signing Process				
EUKART WOTP DD5 CSC- ARCHURA, WU OF INTERSECTION 0731/22 EUKART WOTP D07 CSC- ARCHURA, WU OF INTERSECTION 0731/22 EUKART WOTP D07 CSC- ACCSON, VOF BRUDE, WO FERUDE, WOF EUKART RUFR 0731/22 EUKART WOTP D07 CSC- JUCSON, VOF BRUDE, WO FERUDE, WOTP JUC 0731/22 EUKART WOTP D17 CSC- LUKART FERUD 0731/22 EUKART WOTP D12 CSC- JUCSON, VOF BRUDE, WO FERUDE 0731/22 EUKART WOTP D12 CSC- JUCSON, VOF BRUDE, WO FERUDE 0731/22 EUKART WOTP D12 CSC- JUCSON, VOF BRUDE, FERUDE 0731/22 EUKART WOTP D12 CSC- SUCKART FERUD 0731/22 EUKART WOTP D13 CSC- SUCKART FERUDE 0731/22 EUKART WOTP D14 CSC- SUCKART FERUDE 0731/22 EUKART WOTP D15 CSC- SUCKART FERUDE 0731/22 EUKART WOTP D14 CSC- SUCKART FUCKARD 0731/22 EUKART WOTP D15 CSC- SUCKART FUCKARD 0731/22 EUKART WOTP D16 CSC- SUCKART FUCKARD	Facility	Permitted Feature	Discharge #	Discharge Description	Monitoring Period End Date	DMR Due Date
EUCHART WWT D06 CSO- JACCSON, NO FBRIDGE, E OF ELKMART RIVER 0731/22 ELKUART WWT D01 CSO- JACCSON, NO FBRIDGE, E OF ELKUART RIVER 0731/22 ELKUART WWT D11 CSO- MUCJEST BUD 0731/22 ELKUART WWT D12 CSO- HUCJEST BUD 0731/22 ELKUART WWT D12 CSO- HUCJEST BUD 0731/22 ELKUART WWT D12 CSO- HUCJEST BUD 0731/22 ELKUART WWT D12 CSO- LONSON/MEARDSLEY 0731/22 ELKUART WWT D12 CSO- LONSON/MEARDSLEY 0731/22 ELKUART WWT D12 CSO- LONSON/MEARDSLEY 0731/22 ELKUART WWT D12 CSO- MUCHERANFULTON 0731/22 ELKUART WWT D13 CSO- MUCHERANFULTON 0731/22 ELKUART WWT <td>ELKHART WWTP</td> <td>005 🗸</td> <td>005-C</td> <td>CSO- ARCH/BAR, NW OF INTERSECTION</td> <td>07/31/22</td> <td>08/28/22</td>	ELKHART WWTP	005 🗸	005-C	CSO- ARCH/BAR, NW OF INTERSECTION	07/31/22	08/28/22
EUGNART WITY 001 / 0.01 /	ELKHART WWTP	006 🖌	006-C	CSO- JACKSON, N OF BRIDGE, W OF ELKHART RIVER	07/31/22	08/28/22
LUCHART WWT 008 CSO- HUGESET BLVD 0731/22 LUCHART WWT 013 0731/22 0731/22 LUCHART WWT 011 03-0 0731/22 LUCHART WWT 012 03-0 0731/22 LUCHART WWT 012 012-0 CSO- EUCHART/FRANCLIN 0731/22 LUCHART WWT 012 CSO- DUNSON/BEARDSLEY 0731/22 LUCHART WWT 014 CSO- DUNSON/BEARDSLEY 0731/22 LUCHART WWT 015 CSO- MUCHICIAN PARK WWST 0731/22 LUCHART WWT 016 CSO- MUCHICIAN PARK WWST 0731/22 LUCHART WWT 016 CSO- MUCHICIAN PARK WWST 0731/22 LUCHART WWT 016 CSO- MUCHICIAN PARK WWST 0731/22 LUCHART WWT 026	ELKHART WWTP	007 🗸	007-C	CSO- JACKSON, N OF BRIDGE, E OF ELKHART RIVER	07/31/22	08/28/22
EUGNART WUTP 009 CSO- LEUCO RYKWY - FA, JR, ACHEVERIENT (Y DR M) 0731/22 EUKNART WUTP 011 CSO- EUKNART/FRANKLIN 0731/22 EUKNART WUTP 012 CSO- EUKNART/FRANKLIN 0731/22 EUKNART WUTP 013 CSO- CANSON/JESKDESKERY 0731/22 EUKNART WUTP 013 CSO- CANSON/JESKDESKERY 0731/22 EUKNART WUTP 013 013-0 0731/22 EUKNART WUTP 016 CSO- DAN & GOGHERV/FUNDON 0731/22 EUKNART WUTP 017 CSO- DAN & GOGHERV/FUNDON 0731/22 EUKNART WUTP 017 CSO- DAN & GOGHERV/FUNDON 0731/22 EUKNART WUTP 017 CSO- DAN & GOGHERV/FUNDON 0731/22 EUKNART WUTP 019 019-C CSO- MAU CHICEN MARK WEST 0731/22 EUKNART WUTP 021 CSO- MAU CHICEN MARK WEST 0731/22 EUKNART WUTP 023 CSO- MAU CHICEN MARK WEST 0731/22 EUKNART WUTP 023 CSO- MAU CHICEN MARK WEST 0731/22 EUKNART WUTP 023 CSO- MAU CHICEN MARK WEST </td <td>ELKHART WWTP</td> <td>008 🖌</td> <td>008-C</td> <td>CSO- HUG/EAST BLVD</td> <td>07/31/22</td> <td>08/28/22</td>	ELKHART WWTP	008 🖌	008-C	CSO- HUG/EAST BLVD	07/31/22	08/28/22
ELGHART WITP 011 c CSO- ELGHART/FRANKLIN 073122 ELGHART WITP 012 c CSO- CASSOPOLIS/BEAROSLEY 073122 ELGHART WITP 012 c CSO- CASSOPOLIS/BEAROSLEY 073122 ELGHART WITP 012 c CSO- CASSOPOLIS/BEAROSLEY 073122 ELGHART WITP 013 c CSO- DAN GOSHV/SUPERIOSLEY 073122 ELGHART WITP 015 c CSO- MICLIGAN/PLUTON 0773122 ELGHART WITP 015 c CSO- MICLIGAN/PLUTON 0773122 ELGHART WITP 015 c CSO- MICLIGAN/PERIORIN 0773122 ELGHART WITP 015 c CSO- MICLIGAN (PARK WEET) 0773122 ELGHART WITP 015 c CSO- MICLIGAN (PARK WEET) 0773122 ELGHART WITP 027 c CSO- MICLIGAN (PARK WEET) 0773122 ELGHART WITP 027 c CSO- MICLIGAN (PARK WEET) 0773122 ELGHART WITP 027 c CSO- MICLIGAN (PARK WEET) 0773122 ELGHART WITP 027 c CSO- MICLIGAN (PARK WEET) 0773122 ELGHART WITP 027 c CSO- MICLIGAN (PARK MET)	ELKHART WWTP	æ 600	D-900	CSO- NIBCO PRKWY - FKA JR. ACHIEVEMENT (Y DR N)	07/31/22	08/28/22
Euchart Wrrt 012 CsO- CASSOPOLIS/EEARDSLEY 0731/22 EUKHART WITP 013 CSO- CASSOPOLIS/EEARDSLEY 0731/22 EUKHART WITP 014 CSO- DAM AT CONFERMINI 0731/22 EUKHART WITP 015 CSO- DAM AT CONFERMINI 0731/22 EUKHART WITP 015 CSO- DAM 6 GOFIEN/SUPERIDOR 0731/22 EUKHART WITP 015 CSO- MICHIGAN(PULTON) 07731/22 EUKHART WITP 015 CSO- MICHIGAN(PALLON) 07731/22 EUKHART WITP 015 CSO- MICHIGAN(PALLON) 07731/22 EUKHART WITP 024 CSO- MICHIGAN PARK, CICLEX 07731/22 EUKHART WITP 024 CSO- MICHICHON PARK WEEK 07731/22 EUKHART WITP 025 CSO- MICHICHON PARK WEEK 07731/22<	ELKHART WWTP	011 هر	011-C	CSO- ELKHART/FRANKLIN	07/31/22	08/28/22
ELKART WITP 013 / 013-C GSO-DMM AT CONEJERNEIL 07/31/22 ELKART WITP 014 / 014-C GSO-DM AT CONEJERNEIL 07/31/22 ELKART WITP 015 / 015-C GSO-DM AT CONEJERNEIL 07/31/22 ELKART WITP 015 / 016-C CSO-DM AT CONEJERNEIL 07/31/22 ELKART WITP 015 / 016-C CSO-MICHIGAN/FULTON 07/31/22 ELKART WITP 017 / 017-C CSO-MICHIGAN/FULTON 07/31/22 ELKART WITP 019 / 019-C CSO-MICHIGAN/FULTON 07/31/22 ELKART WITP 029 / 029-C CSO-MICHIGAN/FULTON 07/31/22	ELKHART WWTP	012 🖍	012-C	CSO- CASSOPOLIS/BEARDSLEY	07/31/22	08/28/22
ELKHART WWTP 014.1 CSO- DAM AT CONEFERMIN 0731/22 ELKHART WWTP 015.4 015-C GSO- MICHIGAN/FULTON 0731/22 ELKHART WWTP 015.4 015-C GSO- MICHIGAN/FULTON 0731/22 ELKHART WWTP 015.4 015-C GSO- MUGHITON MAK WEST 0731/22 ELKHART WWTP 016 CSO- MUGHITON MAK WEST 0731/22 ELKHART WWTP 019.4 CSO- MUGHITON MAK WEST 0731/22 ELKHART WWTP 024 CSO- MUGHITON MAK WEST 0731/22 ELKHART WWTP 024 CSO- MICHIGAN MAK WEST 0731/22 ELKHART WWTP 024 CSO- MICHIGAN MAK WEST 0731/22 ELKHART WWTP 024 CSO- MICHIGAN MAK WEST 0731/22 ELKHART WWTP 025 CSO- MICHIGAN MAK WEST 0731/22 ELKHART WWTP 026 CSO- MAKUTANYANT 0731/22 ELKHART WWTP 027 CSO- MAKUTANYANT 0731/22 ELKHART WWTP 026 CSO- MAKUTANYANT 0731/22 ELKHART WWTP 026 CSO- MAKUTANYANT	ELKHART WWTP	013 🖌	013-C	CSO- JOHNSON/BEARDSLEY	07/31/22	08/28/22
Likhaff WWT 015 CGO- MICHANFUDON 0731/22 ELKHART WWT 015 CGO- DAN @ GOSHEN/SUPERIOR 0731/22 ELKHART WWT 017 015C CGO- DAN @ GOSHEN/SUPERIOR 0731/22 ELKHART WWT 013 013-C CGO- NU BOLENARD/HOLAUGHTON 0731/22 ELKHART WWT 013 013-C CGO- W. BOLLENARD/HOLAUGHTON 0731/22 ELKHART WWT 013 013-C CGO- MCAUGHTON PAK WEST 0731/22 ELKHART WWT 023 CGO- SCO- SELOGE AND HUDSON 0731/22 ELKHART WWT 023 CGO- SCO- SELOGE AND HUDSON 0731/22 ELKHART WWT 024 CGO- SCO- SELOGE AND HUDSON 0731/22 ELKHART WWT 025 CGO- SCO- SELOGE AND HUDSON 0731/22 ELKHART WWT 025 CGO- SCO- SECOND 0731/22 ELKHART WWT 026 CGO- SECOND 0731/22 ELKHART WWT 026 CGO- SECOND 0731/22 ELKHART WWT 026 CGO- SECONTANTONI 0731/22 ELKHART WWT 027 CGO-	ELKHART WWTP	014 /	014-C	CSO- DAM AT CONE/ERWIN	07/31/22	08/28/22
ELKHART WWTP 016 CSO- DAN @ GOSHEN/SUPERLOR 0/731/22 ELKHART WWTP 017 CSO- W. BOULEVARD/MCNALGHTON 0/731/22 ELKHART WWTP 016 CSO- W. BOULEVARD/MCNALGHTON 0/731/22 ELKHART WWTP 019 019-C CSO- W. BOULEVARD/MCNALGHTON 0/731/22 ELKHART WWTP 019 019-C CSO- MCNAUGHTON PARK WEST 0/731/22 ELKHART WWTP 024 CSO- MCNAUGHTON PARK WEST 0/731/22 ELKHART WWTP 024 CSO- RAUKLIN/BTH 0/731/22 ELKHART WWTP 024 CSO- FRANKLIN/BTH 0/731/22 ELKHART WWTP 024 CSO- FRANKLIN/BTH 0/731/22 ELKHART WWTP 025 CSO- FRANKLIN/BTH 0/731/22 ELKHART WWTP 026 CSO- FRANKLIN/BTH 0/731/22 ELKHART WWTP 027 027-C CSO- FRANKLIN/BTH 0/731/22 ELKHART WWTP 026 CSO- FRANKLIN/BTH 0/731/22 0/731/22 ELKHART WWTP 021 CSO- ELCREWATEN/VALO 0/731/22 ELKHART WWTP 021<	ELKHART WWTP	015 /	015-C	CSO- MICHIGAN/FULTON	07/31/22	08/28/22
ELKHART WWTP 017 017-c CSO-W. BOULEVARD/MCNAUGHTON 0731/22 ELKHART WWTP 019 C CSO-MAUGHTON PARK WEST 0731/22 ELKHART WWTP 019 C CSO-MAUGHTON PARK WEST 0731/22 ELKHART WWTP 020 019-C CSO-MAUGHTON PARK WEST 0731/22 ELKHART WWTP 023 C CSO-RENDER AND HUDSON 0731/22 ELKHART WWTP 023 C CSO-RENMATINGEND 07/31/22 ELKHART WWTP 025 C CSO-RENMATINGENDD 07/31/22 ELKHART WWTP 025 CSO-RENMATINGENDD 07/31/22 ELKHART WWTP 023 C CSO-RENMATINGENDD 07/31/22 ELKHART WWTP 023 023-C CSO-RENMATINGENDD 07/31/22 ELKHART WWTP 023 023-C CSO-EDEEWATEN/NANJOD 07/31/22 ELKHART WWTP 023 023-C CSO-EDEEWATEN/NANJOD 07/31/22 ELKHART WWTP 023 023-C CSO-EDEEWATEN/NANJOD 07/31/22 ELKHART WWTP 023 <td>ELKHART WWTP</td> <td>016 /</td> <td>016-C</td> <td>CSO- DAN @ GOSHEN/SUPERIOR</td> <td>07/31/22</td> <td>08/28/22</td>	ELKHART WWTP	016 /	016-C	CSO- DAN @ GOSHEN/SUPERIOR	07/31/22	08/28/22
ELKHART WWTP 018 CSO- MCNUGHTON PARK WEST 07/31/22 ELKHART WWTP 019 019-C CSO-MICHIGAN @ RVN, S, OF LEX. 07/31/22 ELKHART WWTP 020 CSO- BRIDGE AND HUDSON 07/31/22 ELKHART WWTP 023 023-C CSO- BRIDGE AND HUDSON 07/31/22 ELKHART WWTP 023 023-C CSO- FRANKLIN/BTH 07/31/22 ELKHART WWTP 025 023-C CSO- FRANKLIN/BTH 07/31/22 ELKHART WWTP 025 025-C CSO- FRANKLIN/BTH 07/31/22 ELKHART WWTP 026 CSO- MAIN/POTAWATOMI 07/31/22 07/31/22 ELKHART WWTP 026 CSO- EDGEWATEN/ANUJO 07/31/22 07/31/22 ELKHART WWTP 029 029-C CSO- EDGEWATEN/ANUJO 07/31/22 ELKHART WWTP 021 020-C CSO- ELERABEN/ANUJO 07/31/22 ELKHART WWTP 021 020-C CSO- ELERABEN/ANUJO 07/31/22 ELKHART WWTP 021 020-C CSO- ELERABEN/ANUJO 07/31/22 ELKHART WWTP <td>ELKHART WWTP</td> <td>017 ټر</td> <td>017-C</td> <td>CSO- W. BOULEVARD/MCNAUGHTON</td> <td>07/31/22</td> <td>08/28/22</td>	ELKHART WWTP	017 ټر	017-C	CSO- W. BOULEVARD/MCNAUGHTON	07/31/22	08/28/22
ELKHART WWTP 019 CGO-MICHIGAN @ RVN, S. OF LEX. 07/31/22 ELKHART WWTP 0204 CGO-MICHIGAN @ RVN, S. OF LEX. 07/31/22 ELKHART WWTP 023 CGO- BRIDGE AND HUDSON 07/31/22 ELKHART WWTP 024 CSO- BRIDGE AND HUDSON 07/31/22 ELKHART WWTP 025 CSO- INDJAW/FRANKLIN 07/31/22 ELKHART WWTP 026 CSO- ENDGEWATER/INANJO 07/31/22 ELKHART WWTP 029 029-C CSO- INFERSON AT THE RIVER 07/31/22 ELKHART WWTP 021 029-C CSO- ENGEWATER/INANJO 07/31/22	ELKHART WWTP	018 🖌	018-C	CSO- MCNAUGHTON PARK WEST	07/31/22	08/28/22
Elkhakt wwr 020 CsO- BRIDGE AND HUDSON 0731/22 Elkhakt wwr 023 CsO- FRANKLIN/BTH 0731/22 Elkhakt wwr 023 CsO- FRANKLIN/BTH 0731/22 Elkhakt wwr 025 CsO- FRANKLIN/BTH 0731/22 Elkhakt wwr 025 CsO- FIANKLIN/BTH 0731/22 Elkhakt wwr 025 CsO- MILW/FRANKLIN 0731/22 Elkhakt wwr 026 CsO- MILW/FRANKLIN 0731/22 Elkhakt wwr 026 CsO- WALHN/FRANKLIN 07731/22 Elkhakt wwr 029 CsO- WALHN/FRANKLIN 07731/22 Elkhakt wwr 029 CsO- EBERWARDAR 0731/22 Elkhakt wwr 031 CsO- EBERWARDAR 0731/22 Elkhakt wwr 031 CsO- EBERWARDAR 0731/22 Elkhakt wwr 031 CsO- EBERWARDAR 0731/22 Elkhakt wwr 033 CsO- EBERWARDAR 0731/22 Elkhakt wwr 033 CsO- EBERWARDAR 0731/22 Elkhakt wwr 033 CsO- EBERWARDAR 0731	ELKHART WWTP	019 ×	019-C	CSO-MICHIGAN @ RVR, S. OF LEX.	07/31/22	08/28/22
ELKHART WW/TP 023-C CSO- FRANKLIN/BTH 07/31/22 ELKHART WW/TP 024-C CSO- INDIAMA/FRANKLIN 07/31/22 ELKHART WW/TP 025-C CSO- INDIAMA/FRANKLIN 07/31/22 ELKHART WW/TP 025-C CSO- POTTAWATOMI 07/31/22 ELKHART WW/TP 025-C CSO- MAIN/POTTAWATOMI 07/31/22 ELKHART WW/TP 025-C CSO- MAIN/POTTAWATOMI 07/31/22 ELKHART WW/TP 027 CSO- EDGEWATEK/NAVUJO 07/31/22 ELKHART WW/TP 021-C CSO- EDGEWATEK/NAVUJO 07/31/22 ELKHART WW/TP 031 039-C CSO- MAIN/FRANK 07/31/22 ELKHART WW/TP 031 039-C CSO- EDGEWATER/NAVUJO 07/31/22 ELKHART WW/TP 031 031-C CSO- ELEZABETH/LUSHER 07/31/22	ELKHART WWTP	020 4	020-C	CSO- BRIDGE AND HUDSON	07/31/22	08/28/22
ELKHART WWTP 024 CSO- INDIANA/FRANKLIN 07/31/22 ELKHART WWTP 025 CSO- POTTAWATOMI/SECONID 07/31/22 ELKHART WWTP 025 CSO- POTTAWATOMI/SECONID 07/31/22 ELKHART WWTP 025 CSO- MAIN/POTTAWATOMI 07/31/22 ELKHART WWTP 026 CSO- MAIN/POTTAWATOMI 07/31/22 ELKHART WWTP 027 CSO- MAIN/POTAWATOMI 07/31/22 ELKHART WWTP 029 CSO- LEFFERSON AT REVER 07/31/22 ELKHART WWTP 021 CSO- LEFFERSON AT REVER 07/31/22 ELKHART WWTP 021 023-C CSO- LEFFERSON AT REVER 07/31/22 ELKHART WWTP 031 033-C CSO- ELZABET//LUSHER 07/31/22 ELKHART WWTP 031 033-C CSO- ELZABET//LISHER 07/31/22 ELKHART WWTP 033 033-C CSO- ELZABET//LISHER 07/31/22 ELKHART WWTP 033 033-C CSO- ELZABET//LISHER 07/31/22 ELKHART WWTP 033 033-C CSO- ELZABET//LISHER 07/31/22	ELKHART WWTP	023 ,	023-C	CSO- FRANKLIN/8TH	07/31/22	08/28/22
ELKHART WWTP 025 r, 025-c CSO- POTTAWATOMI/SECOND 07/31/22 ELKHART WWTP 026 r, CSO- MIN/POTTAWATOMI 07/31/22 ELKHART WWTP 027 r, 026-c CSO- MIN/POTTAWATOMI 07/31/22 ELKHART WWTP 028 r, 027-c CSO- EDGEWATER/NAVAJO 07/31/22 ELKHART WWTP 028 r, 029-c CSO- EDGEWATER/NAVAJO 07/31/22 ELKHART WWTP 029 r, 029-c CSO- EDGEWATER/NAVAR 07/31/22 ELKHART WWTP 021 r, 031-c CSO- ELZABETH/JUSHER 07/31/22 ELKHART WWTP 031 r, 031-c CSO- EVANS/GREMA 07/31/22 ELKHART WWTP 031 r, 033-c CSO- EVANS/GREMA 07/31/22 ELKHART WWTP 033 r, 033-c CSO- EVANS/GREMA 07/31/22 ELKHART WWTP 033 r, 033-c CSO- EVANS/GREMA 07/31/22 ELKHART WWTP 033 r, 033-c CSO- EVANS/GREMA 07/31/22 ELKHART WWTP 031 r, 033-c CSO- EVANS/GREMA 07/31/22 <t< td=""><td>ELKHART WWTP</td><td>024</td><td>024-C</td><td>CSO- INDIANA/FRANKLIN</td><td>07/31/22</td><td>08/28/22</td></t<>	ELKHART WWTP	024	024-C	CSO- INDIANA/FRANKLIN	07/31/22	08/28/22
ELKHART WWTP 026/c CSO- MAIN/POTTAWATOMI 07/31/22 ELKHART WWTP 027. CSO- EDGEWATER/NAMJO 07/31/22 ELKHART WWTP 027. CSO- EDGEWATER/NAMJO 07/31/22 ELKHART WWTP 028.c CSO- EDGEWATER/NAMJO 07/31/22 ELKHART WWTP 029.c CSO- WASHINGTON AT RLVER 07/31/22 ELKHART WWTP 021.c CSO- LEFFERSON AT THE RLVER 07/31/22 ELKHART WWTP 031.c CSO- EDGEWATER/VLSHER 07/31/22 ELKHART WWTP 032.c CSO- ELZABETH/ULSHER 07/31/22 ELKHART WWTP 031.c CSO- ELZABETH/ULSHER 07/31/22 ELKHART WWTP 032.c CSO- ELZABETH/ULSHER 07/31/22 ELKHART WWTP 033.c CSO- ELZABETH/ULSHER 07/31/22 ELKHART WWTP 034.c CSO- ELZABETH/ULSHER 07/31/22 ELKHART WWTP 034.c CSO- ELZABETH/ULSHER 07/31/22 ELKHART WWTP 037.c CSO- ELZABETH/ULSHER 07/31/22 ELKHART WWTP 037.c CSO- ELZASE V ACTIVATED SLUDGE - TO ST JOSEPH RLVER <td>ELKHART WWTP</td> <td>025 5</td> <td>025-C</td> <td>CSO- POTTAWATOMI/SECOND</td> <td>07/31/22</td> <td>08/28/22</td>	ELKHART WWTP	025 5	025-C	CSO- POTTAWATOMI/SECOND	07/31/22	08/28/22
ELKHART WWTP 027 027-C CSO-EDGEWATER/NAVAJO 07/31/22 ELKHART WWTP 028 028-C CSO-WASHINGTON AT RIVER 07/31/22 ELKHART WWTP 029 028-C CSO-MASHINGTON AT RIVER 07/31/22 ELKHART WWTP 029 029-C CSO-JEFFERSON AT THE RIVER 07/31/22 ELKHART WWTP 031 031-C CSO-ELIZABETH/LUSHER 07/31/22 ELKHART WWTP 032 033-C CSO-ELIZABETH/LUSHER 07/31/22 ELKHART WWTP 032 033-C CSO-ELIZABETH/LUSHER 07/31/22 ELKHART WWTP 033 033-C CSO-ELIZABETH/LUSHER 07/31/22 ELKHART WWTP 034 033-C CSO-ELIZABETH/LUSHER 07/31/22 ELKHART WWTP 034 033-C CSO-ELIZABETH/LUSHER 07/31/22 ELKHART WWTP 034 033-C CSO-ELIZABETH/LUSHER 07/31/22 ELKHART WWTP 037 033-C CSO-EVANS/GRACE 07/31/22 ELKHART WWTP 037 033-C CSO-EVANS/GRACE 07/31/22	ELKHART WWTP	026,2	026-C	CSO- MAIN/POTTAWATOMI	07/31/22	08/28/22
ELKHART WWTP 028 CSO- WASHINGTON AT RIVER 07/31/22 ELKHART WWTP 029 029-C CSO- JEFERSON AT THE RIVER 07/31/22 ELKHART WWTP 031 0 031-C CSO- JEFERSON AT THE RIVER 07/31/22 ELKHART WWTP 031 0 031-C CSO- ELZABETH/LUSHER 07/31/22 ELKHART WWTP 031 0 032-C CSO- ELZABETH/LUSHER 07/31/22 ELKHART WWTP 032 0 033-C CSO- ELZABETH/LUSHER 07/31/22 ELKHART WWTP 033 0 033-C CSO- ELZABETH/LUSHER 07/31/22 ELKHART WWTP 034 033-C CSO- ELXINTED SLUDGE - TO ST J05EPH RIVER 07/31/22 ELKHART WWTP 037 037-C CSO- RANKLINKRAU 07/31/22 ELKHART WWTP 037	ELKHART WWTP	027 i	027-C	CSO- EDGEWATER/NAVAJO	07/31/22	08/28/22
ELKHART WWTP 029 t 029-C CSO-JEFFESON AT THE RIVER 07/31/22 ELKHART WWTP 031 t 031-C CSO-ELZABETH/LUSHER 07/31/22 ELKHART WWTP 031 t 031-C CSO-ELZABETH/LUSHER 07/31/22 ELKHART WWTP 032 t 032-C CSO-EDGEWATER/OKEMA 07/31/22 ELKHART WWTP 033 t 033-C CSO-EDGEWATER/OKEMA 07/31/22 ELKHART WWTP 033 t 033-C CSO-EDGTON/ETH 07/31/22 ELKHART WWTP 033 t 033-C CSO-EDGTON/ETH 07/31/22 ELKHART WWTP 035 t 037-C CSO-EDGTON/ETH 07/31/22 ELKHART WWTP 037 t 037-C CSO-WEST HIGH AT RIVER 07/31/22	ELKHART WWTP	028 ¢	028-C	CSO- WASHINGTON AT RIVER	07/31/22	08/28/22
ELKHART WWTP 031 031-C CSO-ELIZABETH/LUSHER 07/31/22 ELKHART WWTP 032 032-C CSO-EDGEWATER/OKEMA 07/31/22 ELKHART WWTP 033 033-C CSO-EDGEWATER/OKEMA 07/31/22 ELKHART WWTP 033 033-C CSO-EVANS/GRACE 07/31/22 ELKHART WWTP 034 033-C CSO-EVANS/GRACE 07/31/22 ELKHART WWTP 034 033-C CSO-EVANS/GRACE 07/31/22 ELKHART WWTP 035 033-C CSO-EVANS/GRACE 07/31/22 ELKHART WWTP 037 037-C CSO-FRANKLIN/KRAU 07/31/22 ELKHART WWTP 037 039-C CSO-WEST HIGH AT RIVER 07/31/22 ELKHART WWTP 039 039-C CSO-WEST HIGH AT RIVER 07/31/22 ELKHART WWTP 040 040-C CSO-WEST HIGH AT RIVER 07/31/22	ELKHART WWTP	029 <	029-C	CSO- JEFFERSON AT THE RIVER	07/31/22	08/28/22
ELKHART WWTP 032 032-C CSO-EDGEWATER/OKEMA 07/31/22 ELKHART WWTP 033 033-C CSO-EDGEWATER/OKEMA 07/31/22 ELKHART WWTP 033 033-C CSO-EVANS/GRACE 07/31/22 ELKHART WWTP 034 033-C CSO-EVANS/GRACE 07/31/22 ELKHART WWTP 034 033-C CSO-LEXINGTON/GTH 07/31/22 ELKHART WWTP 035 033-C CSO-LEXINGTON/GTH 07/31/22 ELKHART WWTP 037 033-C CSO-FRANKLIN/KRAU 07/31/22 ELKHART WWTP 039 039-C CSO- WEST HIGH AT RIVER 07/31/22 ELKHART WWTP 040 040-C CSO- WEST UND 07/31/22	ELKHART WWTP	031 /	031-C	CSO- ELIZABETH/LUSHER	07/31/22	08/28/22
ELKHART WWTP 033 / 033-C CSO-EVANS/GRACE 07/31/22 ELKHART WWTP 034 · 034-C CSO-LEXINGTON/6TH 07/31/22 ELKHART WWTP 035 / 034-C CSO-LEXINGTON/6TH 07/31/22 ELKHART WWTP 035 / 035-A 20 MGD CLASS IX ACTIVATED SLUDGE - TO ST JOSEPH RIVER 07/31/22 ELKHART WWTP 037 / 037-C CSO-FRANKLIN/KRAU 07/31/22 ELKHART WWTP 037 / 039-C CSO- WCNAUGHTON PARK SOUTH 07/31/22 ELKHART WWTP 040 / 040-C CSO- MCNAUGHTON PARK SOUTH 07/31/22	ELKHART WWTP	032 /	032-C	CSO- EDGEWATER/OKEMA	07/31/22	08/28/22
ELKHART WWTP 034 / 034-C CSO-LEXINGTON/6TH 07/31/22 ELKHART WWTP 035 / 035-A 20 MGD CLASS IV ACTIVATED SLUDGE - TO ST J05EPH RIVER 07/31/22 ELKHART WWTP 037 / 037-C CSO- FRANKLIN/KRAU 07/31/22 ELKHART WWTP 037 / 037-C CSO- FRANKLIN/KRAU 07/31/22 ELKHART WWTP 039 / 039-C CSO- WEST HIGH AT RIVER 07/31/22 ELKHART WWTP 040 / 039-C CSO- WENULIN/KRAU 07/31/22	ELKHART WWTP	033 /	033-C	CSO- EVANS/GRACE	07/31/22	08/28/22
ELKHART WWTP 035 / 035 / 035 / 037 /2 ELKHART WWTP 037 / 037 /2 CSO- FRANKLINKRAU 07/31/22 ELKHART WWTP 037 / 037 /2 CSO- FRANKLINKRAU 07/31/22 ELKHART WWTP 039 / 039 /2 CSO- WEST HIGH AT RIVER 07/31/22 ELKHART WWTP 040 / 040 -C CSO- WCNUGHTON PARK SOUTH 07/31/22	ELKHART WWTP	034 /	034-C	CSO- LEXINGTON/6TH	07/31/22	08/28/22
ELKHART WWTP 037 / 037-C CSO- FRANKLIN/KRAU 07/31/22 ELKHART WWTP 039 / 039-C CSO- WEST HIGH AT RIVER 07/31/22 ELKHART WWTP 040 / 040-C CSO- MOUGHTON PARK SOUTH 07/31/22	ELKHART WWTP	035 /	035-A	20 MGD CLASS IV ACTIVATED SLUDGE - TO ST JOSEPH RIVER	07/31/22	08/28/22
ELKHART WWTP 039 / 039-C CSO- WEST HIGH AT RIVER 07/31/22 ELKHART WWTP 040 / 040-C CSO- MCNAUGHTON PARK SOUTH 07/31/22	ELKHART WWTP	037 /	037-C	CSO- FRANKLIN/KRAU	07/31/22	08/28/22
ELKHART WWTP 040 * 040-C CSO- MCNAUGHTON PARK SOUTH 07/31/22	ELKHART WWTP	,7 6E0	039-C	CSO- WEST HIGH AT RIVER	07/31/22	08/28/22
	ELKHART WWTP	040 🖌	040-C	CSO- MCNAUGHTON PARK SOUTH	07/31/22	08/28/22

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MR Copy of Submission

<i>Permit</i> Permit ID:	1N0025674	Maior:	
Dormittao.			
		Permittee Address:	Z29 SUUTH ZND ST ELKHART , IN46516
Facility:	ELKHART WWTP	Facility Location:	1201 S NAPPANEE ST ELKHART , IN46516
Permitted Feature:	035 - Externai Outfall	Discharge:	035-A - 20 MGD CLASS IV ACTIVATED SLUDGE - TO ST JOSEPH RIVER
Report Dates & Status			
Monitoring Period:	From 07/01/22 to 07/31/22	DMR Due Date:	08/28/22
Status:	NetDMR Validated		

Considerations for Form Completion THE FLOW METER(S) SHALL BE CALIBRATED AT LEAST ONCE EVERY TWELVE MONTHS. REPORT QUARTERLY PARAMETERS ON 035-AQ NETDMR. MUNICIPAL MAJOR ELKHART COUNTY Principal Executive Officer

First Name:	Laura	Last Name:	Kolo					
Title:	Utility Services Manager	Telephone:	574-293-2572	2				
No Data Indicator (NODI) Form NODI:	,							
Parameter	NODI	Quantity or Loading		Quality or Concentration	ntration	jo #	of Freq. of Analysis	Smpl.
Code Name		Value 2	Units Value 1	Value 2	Value 3	Units E		Type
00300 Oxygen, dissolved [DO] 1 - Effluent Gross	Smpl.		=7.5			19 - mg/L 0	01/01 - Daily	3R - 3GR24H
Season: 0	Req.		>=4.0 DLYAVMIN			19 - mg/L	01/01 - Daily	3R - 3GR24H
NODI: -	IQON							
00400 pH 1 - Effluent Gross	Smpl.		=7.3		=7.8	12 - SU 0	01/01 - Daily	GR - GRAB
Season: 0	Req.		>=6.0 DAILY MN		<=9.0 DAILY MX	12 - SU	01/01 - Daily	GR - GRAB
NODI: -	NODI							
00530 Solids, total suspended 1 - Effuent Gross	Smpl. =945.0	=1037.0	26 - Ib/d	=8.0	=8.0	19 - mg/L 0	Vlied - 10/10	24 - COMP24
Season: 0	Req. <=7511.0 M0 AVG	<=11266.0 MX WK AV	26 - Ib/d	<=30.0 MO AVG	<=45.0 MX WK AV	19 - mg/L	01/01 - Daily	24 - COMP24
IODI: -	NODI					CONTRACT OF A LANS OF THE ADDRESS OF A CONTRACTOR ADDRESS		
00600 Nitrogen, total [as N] 1 - Effluent Gross	Smpl. =2503.0		26 - Ib/d	=16.6		19 - mg/L 0	01/30 - Monthly	24 - COMP24
Season: 0	Req. Req Mon MO AVG		26 - Ib/d	Reg Mon MO AVG		19 - mg/L	01/30 - Monthly	24 - COMP24
- :IOON	IQON	 A state of the sta	(1) A second se second second sec	the sub-state of the law of the sub-statement memory and the state of the sub-	and a second	Marana and a second	n Announce - Announce - Anno	man shradel mass - on the shrandom date
00510 Nitrogen, ammonia total [as N] 1 - Effluent Gross	as Smpl. =31.2	= 278.9	26 - Ib/d	=0.24	=1.26	19 - mg/L 0	01/01 - Daily	24 - COMP24
Season: 1	Req. <=1051.0 M0 AVG	с=2478.0 DAILY MX	26 - 1b/d	<=4.2 M0 AVG	<=9.9 DAILY MX	19 - mg/L	01/01 - Daily	24 - COMP24

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IN0025674_Hg_ 022_07.pdf		bdf	39636.0	
Report Last Saved By	Au -			
ЕЦКНАRT WWTP				
User:	Payton88			
Name:	Laura Kolo			
E-Mail:	laura.kolo@coei.org			
Date/Time:	2022-08-26 15:50 (Time Zone:-04:00)			
Report Last Signed By				
User:	Payton88			
Name:	Laura Kolo			
E-Mail:	laura.kolo@coei.org			
Date/Time:	2022-08-26 15:51 (Time Zone:-04:00)			



Day Of Month Day of Week

1 Fri 2 Sat 3 Sun 4 Mon 5 Tue 6 Wed 7 Thu 8 Fri 9 Sat 10 Sun 11 Mon 12 Tue 13 Wed 14 Thu 15 Fri 16 Sat 17 Sun 18 Моп 19 Tue 20 Wed 21 Thu 22 Fri 23 Sat 24 Sun 25 Mon 26 Tue

27 Wed 28 Thu 29 Fri 30 Sat 31 Sun Average Maximum Minimum

of Data

MO AC WA:

									Name of Faci	lity				Permit Nur	nber		
THE STA	TE	MON.	тні у І	REPO	אר מ		RATIO	N	Elkhart					IN00256	374		
6						TYPE			Month		Year		Plant Des			e Number	
.e	NIA						[PLAN	т	July		2022		20.00	mgd	5	74/293-	2572
1816 State Form 10829 (R4 / 01-20)							E-mail address: laura.kolo@coei.org							035	A		
Certified Operator: Name Class Certific								Certificate	Number		ation Date						
			T						Laura E.	Kolo			IV	150)94	06/3	30/2023
						CH		_S				RAW	SEW	AGE			
	Δ	al)		Ŧ	0			ay									
Day of Week	Man-Hours at Plant (Plants less than 1 MGD only)	Air Temperature (optional)	Precipitation - Inches	Bypass At Plant Site("x" If Occurred)	Sanitary Sewer Overflow("x" If Occurred)	Chlorine - Lbs/day	Ferrous Chloride Lbs/Day or Gal./Day	Lbs/Day or Gal./Day	Influent Flow Rate (if metered) MGD	На	CBOD5 - mg/l	CBOD5 - lbs/day	Susp. Solids - mg/l	Susp. Solids - Ibs/day	Phosphorus - mg/l	Ammonia - mg/l	
Fri			0.69		X		198			7.5	116		200	- 07	3.63	17.28	
Sat			0.00				188			7.6	91		80		3.26	18.00	
Sun			0.00				234			7.5	83		68		2.46	16.44	
Mon			0.00				205			7.6	81		83		2.46	16.08	
Tue			1.27		X		198			8.0	170		166		2.94	13.24	
Wed			1.43		X		198 198			7.5 8.2	68 83		88 138		2.38	11.20 17.92	
Thu			0.00				190			<u> </u>	92		130		3.21 3.28	18.60	
Fri Sat			0.00							7.7	89		104		3.24	16.00	
Sun			0.00				220			7.6	96		60		2.45	14.44	
Mon			0.00				258			7.7	90		148		3.34	17.48	
Tue			0.00				201			7.8	78		110		3.85	18.60	
Wed			0.00				216			7.6	87		124		3.77	21.44	
Thu			0.00				243			7.7	126		154		3.54	21.08	
Fri		-	0.47		Х		216 195			7.9	177		248		3.54	16.60	
Sat			0.00		X		195			7.8 7.8	85 93		98 108		2.93 2.54	16.64 16.08	
Sun Mon	· · · · ·		0.20		<u> </u>		190			8.0	73		96		3.02	14.24	
Tue			0.00				185			7.7	106		150		3.97	21.68	
Wed			0.01				188			8.1	126		186		4.20	22.28	
Thu			0.28		×		190			7.7	110		150		3.40	23.08	
Fri			0.02		X		213			8.1	106		206			17.04	
Sat			1.40		X		190			7.7	111		124		2.31	13.84	
Sun			0.75		_X		198 195			7.7 7.6	74 69		60 104		2.21 2.45	14.12 15.80	
Mon			0.02				195			7.8	110		130		3.74	19.00	
Tue Wed			0.00				190			7.7	72		102		3.52	18.76	
Thu			0.00				190			7.6	100		120		3.82	19.76	
Fri			0.00				190			7.7	125		116		3.85	18.72	
Sat			0.00				179			7.8	85		136		3.12	17.08	
Sun			0.00				180			7.7	77		104		2.72	17.08	
age			0.21				201			0.0	98		125		3.20	17.41	
imum			1.43				258 179			8.2 7.5	177 68		248 60		4.20 2.21	23.08	
mum			0.00				113			1.0			00	L		11.20	
				1													
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		impriso	onment	for kno	owing v	violations				la	Ua	-10	る		8	24e	(22

Page 1 of 6

State Form 10829 (R4 / 01-20)

è	Name of Facility	Permit Number	Month	Year
	Elkhart	IN0025674	July	2022

PRIMARY EFFLUENT MIXED LIQUOR VARANTICION SECONDARY FINAL EFFLUENT Image: Second and the	I/bu - uəbxxO pəxlossi 7.8 8.0 8.5 8.8 8.4 7.5 8.1 8.0 8.7 8.6 8.2 8.2	Oil & Grease (mg/l)
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Comments for the Month (major repairs, breakdowns, process upsets and their causes, inplant treatment process bypass, etc.):

State Form 10829 (R4 / 01-20) Name of Facility Permit Number

Month Year Elkhart IN0025674 July 2022

	SLUDG	E TO				DIG	STER (OPERAT	ION					
	DIGEST		Anaero	bic Only										
Day Of Month	Primary SludgeGal. x 100	Waste Act. Sludge Gal. x 1000	Hď	Gas Production Cubic Ft. x 1000	Temperature - F	Supernatant Withdrawn hrs. or Gal. x 1000	Supernatant BOD5 mg/l or NH3-N mg/l	Total Solids in Incoming Sludge - %	Total Solids in Digested Sludge - %	Volatile Solids in Incoming Sludge - %	Volatile Solids in Digested Sludge - %	Digested Sludge Withdrawn hrs. or Gal. x 1000		
1	37.25	259.20	7.2		95	0.000		4.10	2.28	72.37	58.02			
2	29.66	259.20	7.2		95	49.518		5.67	2.53	73.48	57.33			
3	21.02	259.20	7.2		95	71.280		6.13	2.60	73.90	57.39			
4	5.02	259.20	7.3		95			5.44	2.55	78.69	58.27			
5	24.65	233.28	7.3		96	24.759		5.54	2.60	74.55	56.52	61.91		
6	31.27	216.00	7.2		96	0.000		7.89	2.50	69.07	57.08			
7	23.06	216.00	7.2		96			6.38	2.36	71.36	57.21	94.60		
8	24.50	216.00	7.2		96	0.000		4.86	2.39	70.00	56.42	81.68		
9	32.81	216.00	7.2		96	38.907		3.90	2.33	74.45	56.86			
10	25.07	216.00	7.2		97	0.000		4.83	2.28	76.68	55.22			
11	21.04	216.00	7.3		97			5.29	2.16	75.86	56.25	72.36		
12	28.60	216.00	7.3		97	21.222		4.77	2.20	75.87	56.61	120.03		
13	30.12	216.00	7.2		97	0.000		5,50	2.09	78.17	55.96	117.63		
14	34.77	216.00	7.2		97	21.222		4.96	2.00	75.71	58.99	137.01		
15	27.17	216.00	7.2		97	7.074		4.17	2.07	72.64	57.00	91.07		
16	35.55	216.00	7.2		97	0.000		5.08	1.89	73.85	57.43			
17	39.20	216.00	7.2		97	0.000		5.55	1.90	73.54	58.06			
18	28.01	216.00	7.2		97	21.222		5.76	1.80	75.70	59.29	72.67		
19	34.35	216.00	7.2		97			2.76	1.84	75.10	57.14	93.79		
20	32.02	216.00	7.2		97	14.148		4.59	1.73	75.12	58.12	81.25		
21	37.36	216.00	7.2		96	21.222		5.05	1.89	75.83	57.54	126.07		
22	37.12	216.00	7.2		95	0.000		5.27	2.15	74.53	57.07	120.07		
23	20.10	216.00	7.2		96	0.000		5.59	1.96	72.40	57.06			
24	14.05	216.00	7.3		96			7.93	1.78	70.14	56.34			
25	30.78	216.00	7.3		96			6.97	1.77	70.00	56.05	65.83		
26	24.46	216.00	7.2		96			6,46	1.89	72.40	56.52	86.86		
20	26.40	216.00	7.3		96	7.074		5.49	1.77	74.89	54.88	47.34		
28	13.05	216.00	7.2		96	1.014		5.47	1.91	74.54	56.25	72.12	·	
29	23.39	216.00	7.2		97			4.43	2.10	75.67	58.82			
		216.00	7.2		96	45.981		4.74	2.41	77.35	57.86			
31		216.00	7.2		96	28.296		4.76	2.78	80.08	58.56			
Avg.	26.86	222.13			96	17.711		5.33	2.15	74,32	57.17	88.89		
Max.	39.20	259.20	7.3		97	71.280		7.93	2.78	80.08	59.29	137.01		
Min.	5.02	216.00	7.2		95	0.000		2.76	1.73	69.07	54.88	47.34		
	0.02	- 10.00	1.4			0.000		2.70	1.70	00.01	01.00			
Data		04	24	0		04		24		24		10	~	l I
Data	31	31	31	0	31	21	0	31	31	31	31	16	0	

Once completed, this form should be converted to a pdf document, named appropriately & attached to the corresponding netDMR for submittal

State Form 10829 (R4 / 01-20) Name of Facility

$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	State Form 1 Name of Facili	10829 (R4 / 01 ity	-20)	Permit Numb	er	Month		Year		1							
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Flow BOD Total Suspended Solds Ammonia Phosph 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							F			l							
Image: second		Flow	****	BOD							5	Ammor	nia			Phosnh	orus
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Day Of Month Day of Week		Effluent Flow Weekly Average	CBOD5 - mg/l	CBOD5 - mg/l Weekly Average	CBOD5 - lbs/day	CBOD5 - Ibs/day Weekly Average	Susp. Solids - mg/l	Susp. Solids - mg/l Weekly Average	Susp. Solids - Ibs/day	Susp. Solids - Ibs/day Weekly Average	Ammonia - mg/l	Ammonia - mg/l Weekly Average	Ammonia - Ibs/day	Ammonia - Ibs/day Weekly Average	Phosphorus - mg/l	Phosphorus - Ibs/day
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	1 _{Fri}			4				11		1,620		0.99		144.5		0.71	104
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		12.084		2		225		8		776		0.14		14.1		0.48	48
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	3 _{Sun}	11.659		2		223		5		506		0.10		9.7		0.63	61
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		11.811		3		292		7		650		0.09		8.9		0.73	72
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	5 Tue	18.082		3		508		10		1,478		0.14		21.1		0.73	110
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	6 Wed	26.542		4		781				1,837		1.26		278.9		0.59	131
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	1 1	13.774		2		269		7		816		0.10		11.5		0.63	72
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	8 _{Fri}	14.453		2		297		10		1,169		0.08		9.6		0.94	113
10 sun 14.669 2 166 8 979 0.06 7.3 0.83 11 Mon 14.499 2 259 6 750 0.10 12.1 0.76 12 Tue 14.069 3 374 8 939 0.16 18.8 0.72 13 Wed 13.776 3 368 8 939 0.16 18.8 0.72 14 13.776 3 368 8 885 0.25 2.87 0.77 14 True 13.727 5 6 690 11 1,642 0.27 38.9 0.63 16 Sat 13.122 14.461 2 2.88 29 353 5 8.21 591 1,004 0.14 0.22 15.3 27 0.54 17 Sun 13.647 3 352 7 825 0.07 8.0 0.665 20 Wed	9 _{Sat}	13.931	15.750	3	2.84	337	387	7	7.66	802	1,037	0.07	0.26	8.1	50	1.05	122
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	1 1 - 1	14.669		2		166		8		979		0.06		7.3		0.83	102
12 Tup 14.069 3 374 8 939 0.16 18.8 0.72 13 Wed 13.776 3 368 8 885 0.25 28.7 0.77 14 Thu 13.815 3 387 11 1,244 0.57 65.7 0.75 15 Frid 17.275 5 690 11 1,642 0.27 38.9 0.63 16 sat 13.122 14.461 2 2.88 229 353 5 8.21 591 1,004 0.14 0.22 15.3 27 0.54 17 sun 13.647 3 311 7 785 0.07 8.0 0.65 18 Mon 13.737 3 293 7 747 0.12 13.6 0.655 20 Wed 13.267 2 258 7 797 0.18 19.9 0.68 21 Tru 14.473 3 392 8 966 0.24 29.0 0.73 <td></td> <td>14.499</td> <td></td> <td>2</td> <td></td> <td>259</td> <td></td> <td>6</td> <td></td> <td>750</td> <td></td> <td>0.10</td> <td></td> <td>12.1</td> <td></td> <td>0.76</td> <td>92</td>		14.499		2		259		6		750		0.10		12.1		0.76	92
13 Wed 13.776 3 368 8 885 0.25 28.7 0.77 14 Thu 13.815 3 387 11 1,244 0.57 65.7 0.75 15 Fri 17.275 5 690 11 1,642 0.27 38.9 0.63 16 Sat 13.122 14.461 2 2.88 229 353 5 8.21 591 1,004 0.14 0.22 15.3 27 0.54 17 Sun 13.647 3 311 7 785 0.07 8.0 0.65 18 Mon 13.737 3 293 7 747 0.12 13.6 0.65 20 Wed 13.267 2 258 7 797 0.18 19.9 0.68 21 Thu 14.473 3 392 8 966 0.24 29.0 0.73 22 Fri 16.20 3 456 9 1,260 0.44 60.3 0.81 <td>12 Tue</td> <td>14.069</td> <td></td> <td>3</td> <td></td> <td>374</td> <td></td> <td>8</td> <td></td> <td>939</td> <td></td> <td>0.16</td> <td></td> <td>18.8</td> <td></td> <td>0.72</td> <td>84</td>	12 Tue	14.069		3		374		8		939		0.16		18.8		0.72	84
14 Thu 13.815 3 387 11 1,244 0.57 65.7 0.75 15 Fri 17.275 5 690 11 1,642 0.27 38.9 0.63 16 Sat 13.122 14.461 2 2.88 229 353 5 8.21 591 1,004 0.14 0.22 15.3 27 0.54 17 Sun 13.647 3 311 7 785 0.07 8.0 0.65 18 Mon 13.737 3 352 7 825 0.07 8.0 0.66 19 Tue 13.574 3 293 7 747 0.12 13.6 0.65 20 Wed 13.267 2 258 7 797 0.18 19.9 0.68 21 Thu 14.473 3 392 8 966 0.24 29.0 0.73 22 Fri 16.420 3 456 9 1,260 0.44 60.3 0.61 <td>13 Wed</td> <td>13.776</td> <td></td> <td>3</td> <td></td> <td>368</td> <td></td> <td>8</td> <td></td> <td>885</td> <td></td> <td>0.25</td> <td></td> <td>28.7</td> <td></td> <td>0.77</td> <td>88</td>	13 Wed	13.776		3		368		8		885		0.25		28.7		0.77	88
15 Fri 17.275 5 690 11 1,642 0.27 38.9 0.63 16 Sat 13.122 14.461 2 2.88 229 353 5 8.21 591 1,004 0.14 0.22 15.3 27 0.54 17 Sun 13.647 3 311 7 785 0.07 8.0 0.65 18 Mon 13.737 3 352 7 825 0.07 8.0 0.66 19 Tue 13.574 3 293 7 747 0.12 13.6 0.65 20 Wed 13.267 2 258 7 797 0.18 19.9 0.68 21 Thu 14.473 3 3.92 8 966 0.24 29.0 0.73 22 Fri 16.420 3 456 9 1,260 0.44 60.3 0.68 25 Mon </td <td>14 Thu</td> <td>13.815</td> <td></td> <td>3</td> <td></td> <td>387</td> <td></td> <td>11</td> <td></td> <td>1,244</td> <td></td> <td>0.57</td> <td></td> <td>65.7</td> <td></td> <td>0.75</td> <td>86</td>	14 Thu	13.815		3		387		11		1,244		0.57		65.7		0.75	86
16 Sat 13.122 14.461 2 2.88 229 353 5 8.21 591 1,004 0.14 0.22 15.3 27 0.54 17 Sun 13.647 3 311 7 785 0.07 8.0 0.65 18 Mon 13.737 3 233 7 785 0.07 8.0 0.64 19 Tue 13.574 3 293 7 747 0.12 13.6 0.65 20 Wed 13.267 2 258 7 797 0.18 19.9 0.68 21 Thu 14.473 3 392 8 966 0.24 29.0 0.73 22 Fri 16.420 3 456 9 1,260 0.44 60.3 0.81 23 Sat 21.834 15.279 4 3.01 685 392 6 7.36 1,165 935 0.11 0.18 20.0 23 0.77 24 Sun 13.925	15 Fri	17.275		5		690		11		1,642		0.27		38.9		0.63	91
17 Sun 13.647 3 311 7 785 0.07 8.0 0.65 18 Mon 13.737 3 352 7 825 0.07 8.0 0.64 19 Tue 13.574 3 293 7 747 0.12 13.6 0.65 20 Wed 13.267 2 258 7 797 0.18 19.9 0.68 21 Thu 14.473 3 392 8 966 0.24 29.0 0.73 22 Fri 16.420 3 456 9 1,260 0.44 60.3 0.81 23 Sat 21.834 15.279 4 3.01 685 392 6 7.36 1,165 935 0.11 0.18 20.0 23 0.77 24 Sun 18.594 2 305 4 667 0.10 15.5 0.68 25 Mon 13.925 2 237 5 627 0.12 13.9 0.69	16 _{Sat}	13.122	14.461	2	2.88	229	353	5	8.21	591	1,004	0.14	0.22	15.3	27	0.54	59
18 Mon 13.737 3 352 7 825 0.07 8.0 0.64 19 Tue 13.574 3 293 7 747 0.12 13.6 0.65 20 Wed 13.267 2 258 7 797 0.18 19.9 0.68 21 Thu 14.473 3 392 8 966 0.24 29.0 0.73 22 Fri 16.420 3 456 9 1,260 0.44 60.3 0.81 23 Sat 21.834 15.279 4 3.01 685 392 6 7.36 1,165 935 0.11 0.18 20.0 23 0.77 24 Sun 18.594 2 305 4 667 0.10 15.5 0.68 25 Mon 13.925 2 237 5 627 0.12 13.9 0.69 26 Tue 14.732 3 330 7 724 0.14 15.4 0.87	17 Sun	13.647		3		311		7		785		0.07		8.0		0.65	74
19 Tue 13.574 3 293 7 747 0.12 13.6 0.65 20 Wed 13.267 2 258 7 797 0.18 19.9 0.68 21 Thu 14.473 3 392 8 966 0.24 29.0 0.73 22 Fri 16.420 3 456 9 1,260 0.44 60.3 0.81 23 Sat 21.834 15.279 4 3.01 685 392 6 7.36 1,165 935 0.11 0.18 20.0 23 0.77 24 Sun 18.594 2 305 4 667 0.10 15.5 0.68 25 Mon 13.925 2 233 340 7 724 0.12 13.9 0.69 26 Tue 14.732 3 330 7 724 0.12 14.7 0.76 27 Wed 13.150 3 330 7 724 0.14 15.4 0.8	18 _{Mon}	13.737		3		352		7		825		0.07		8.0		0.64	73
20 Wed 13.267 2 258 7 797 0.18 19.9 0.68 21 Thu 14.473 3 392 8 966 0.24 29.0 0.73 22 Fri 16.420 3 456 9 1,260 0.44 60.3 0.81 23 Sat 21.834 15.279 4 3.01 685 392 6 7.36 1,165 935 0.11 0.18 20.0 23 0.77 24 Sun 18.594 2 305 4 667 0.10 15.5 0.68 25 Mon 13.925 2 237 5 627 0.12 13.9 0.69 26 Tue 14.732 3 340 7 835 0.12 14.7 0.76 27 Wed 13.150 3 330 7 724 0.14 15.4 0.87 28 Thu 13.849 2 253 7 824 0.12 13.4 0.92	19 _{Tue}	13.574		3		293		7		747		0.12		13.6		0.65	74
21 Thu 14.473 3 392 8 966 0.24 29.0 0.73 22 Fri 16.420 3 456 9 1,260 0.44 60.3 0.81 23 Sat 21.834 15.279 4 3.01 685 392 6 7.36 1,165 935 0.11 0.18 20.0 23 0.77 24 Sun 18.594 2 305 4 667 0.10 15.5 0.68 25 Mon 13.925 2 237 5 627 0.12 13.9 0.69 26 Tue 14.732 3 340 7 835 0.12 14.7 0.76 27 Wed 13.150 3 330 7 724 0.14 15.4 0.87 28 Thu 13.849 2 253 7 824 0.12 13.4 0.92 30 Sat 12.392 14.285 2 2.37 248 280 9 6.81		13.267		2		258		7		797		0.18		19.9		0.68	75
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		14.473		3		392		8		966		0.24		29.0		0.73	88
23 sat 21.834 15.279 4 3.01 685 392 6 7.36 1,165 935 0.11 0.18 20.0 23 0.77 24 sun 18.594 2 305 4 667 0.10 15.5 0.68 25 Mon 13.925 2 237 5 627 0.12 13.9 0.69 26 Tue 14.732 3 340 7 835 0.14 14.7 0.76 27 Wed 13.150 3 330 7 724 0.14 15.4 0.87 28 Thu 13.849 2 249 8 947 0.15 17.3 0.95 29 Fri 13.351 2 253 7 824 0.12 13.4 0.92 30 Sat 12.392 14.285 2 2.37 248 9 6.81 930 793 0.14 0.13 14.5 15 0.98 31 3.4 0.92 3.4 0.92 3.5 3.6 3.5 5.5 0.83 11.7 0.8		16.420		3		456		9		1,260		0.44		60.3		0.81	111
24 sun 18.594 2 305 4 667 0.10 15.5 0.68 25 Mon 13.925 2 237 5 627 0.12 13.9 0.69 26 Tue 14.732 3 340 7 835 0.12 14.7 0.76 27 Wed 13.150 3 330 7 724 0.14 15.4 0.87 28 Thu 13.849 2 249 8 947 0.15 17.3 0.95 29 Fri 13.351 2 253 7 824 0.12 13.4 0.92 30 sat 12.392 14.285 2 2.37 248 280 9 6.81 930 793 0.14 0.13 14.5 15 0.98 31 Sun 11.656 3 244 5 525 0.83 11.7 0.83 Avg 14.828 3 355 8 945 0.24 31.2 0.80 Max 26.542 15.750 5 3.01 781 392 <td></td> <td>21.834</td> <td>15.279</td> <td>4</td> <td>3.01</td> <td>685</td> <td>392</td> <td>6</td> <td>7.36</td> <td>1,165</td> <td>935</td> <td>0.11</td> <td>0.18</td> <td>20.0</td> <td>23</td> <td>0.77</td> <td>140</td>		21.834	15.279	4	3.01	685	392	6	7.36	1,165	935	0.11	0.18	20.0	23	0.77	140
25 Mon 13.925 2 237 5 627 0.12 13.9 0.69 26 Tue 14.732 3 340 7 835 0.12 14.7 0.76 27 Wed 13.150 3 330 7 724 0.14 15.4 0.87 28 Thu 13.849 2 249 8 947 0.15 17.3 0.95 29 Fri 13.351 2 253 7 824 0.12 13.4 0.92 30 Sat 12.392 14.285 2 2.37 248 280 9 6.81 930 793 0.14 0.13 14.5 15 0.98 31 Sun 11.656 3 244 5 525 0.83 11.7 0.83 Avg 14.828 3 355 8 945 0.24 31.2 31.2 0.80 Max 26.542 15.750 5 3.01 781 392 11 8.21 1,837 1,037 1.26 0.26 278.9 50 1.1	24 _{Sun}	18.594		2		305		4		667		0.10		15.5		0.68	105
26 Tue 14.732 3 340 7 835 0.12 14.7 0.76 27 Wed 13.150 3 330 7 724 0.14 15.4 0.87 28 Thu 13.849 2 249 8 947 0.15 17.3 0.95 29 Fri 13.351 2 253 7 824 0.12 13.4 0.92 30 Sat 12.392 14.285 2 2.37 248 280 9 6.81 930 793 0.14 0.13 14.5 15 0.98 31 Sun 11.656 3 244 5 525 0.83 11.7 0.83 Avg 14.828 3 355 8 945 0.24 31.2 0.80 Max 26.542 15.750 5 3.01 781 392 11 8.21 1,837 1,037 1.26 0.26 278.9 50 1.1	25 Mon	13.925		2		237				627		0.12		13.9		0.69	80
27 Wed 13.150 3 330 7 724 0.14 15.4 0.87 28 Thu 13.849 2 249 8 947 0.15 17.3 0.95 29 Fri 13.351 2 253 7 824 0.12 13.4 0.92 30 Sat 12.392 14.285 2 2.37 248 280 9 6.81 930 793 0.14 0.13 14.5 15 0.98 31 Sun 11.656 3 244 5 525 0.83 11.7 0.83 Avg 14.828 3 355 8 945 0.24 31.2 0.80 Max 26.542 15.750 5 3.01 781 392 11 8.21 1,837 1,037 1.26 0.26 278.9 50 1.1	26 _{Tue}	14.732		3		340		7		835		0.12		14.7		0.76	93
28 Thu 13.849 2 249 8 947 0.15 17.3 0.95 29 Fri 13.351 2 253 7 824 0.12 13.4 0.92 30 Sat 12.392 14.285 2 2.37 248 280 9 6.81 930 793 0.14 0.13 14.5 15 0.98 31 Sun 11.656 3 244 5 525 0.83 11.7 0.83 Avg 14.828 3 355 355 8 945 0.24 0.24 31.2 0.80 Max 26.542 15.750 5 3.01 781 392 11 8.21 1,837 1,037 1.26 0.26 278.9 50 1.1	27 Wed	13.150		3		330				724							95
29 Fri 13.351 2 253 7 824 0.12 13.4 0.92 30 Sat 12.392 14.285 2 2.37 248 280 9 6.81 930 793 0.14 0.13 14.5 15 0.98 31 Sun 11.656 3 244 5 525 0.83 11.7 0.83 Avg 14.828 3 355 8 945 0.24 0.24 31.2 0.80 Max 26.542 15.750 5 3.01 781 392 11 8.21 1,837 1,037 1.26 0.26 278.9 50 1.1	28 Thu	13.849															110
30 Sat 12.392 14.285 2 2.37 248 280 9 6.81 930 793 0.14 0.13 14.5 15 0.98 31 Sun 11.656 3 244 5 525 0.83 11.7 0.83 Avg 14.828 3 355 355 8 945 0.24 31.2 0.80 Max 26.542 15.750 5 3.01 781 392 11 8.21 1,837 1,037 1.26 0.26 278.9 50 1.1	29 _{Fri}	13.351		2		253		7		824		0.12		13.4		0.92	102
31 Sun 11.656 3 244 5 525 0.83 11.7 0.83 Avg 14.828 3 355 355 8 945 0.24 31.2 31.2 0.80 Max 26.542 15.750 5 3.01 781 392 11 8.21 1,837 1,037 1.26 0.26 278.9 50 1.1			14.285	2	2.37	248	280	9	6.81	930	793	0.14	0.13		15	0.98	101
Avg 14.828 Source 3 355 8 945 0.24 302 31.2 0.80 Max 26.542 15.750 5 3.01 781 392 11 8.21 1,837 1,037 1.26 0.26 278.9 50 1.1		11.656		3				5		525		0.83		11.7		0.83	81
Max 26.542 15.750 5 3.01 781 392 11 8.21 1,837 1,037 1.26 0.26 278.9 50 1.1		14.828		3		355	NG PER	8				0.24	and the second s		1.121 (<i>V</i> .17 (1878)	0.80	92
		26.542	15.750	5	3.01	781	392	11	8.21	1,837	1,037	1.26	0.26	278.9	50		140
		11.656	14.285	2	2.37	166	280	4	6.81			0.06	0.13	7.3	15		48
Data 31 4 31 4 31 4 31 4 31 4 31 4 31 4 31	Data	31	4	31	4	31	4	31	4	31	4	31	4	31	4	31	31

	MONTHLY R	EMOVAL SUM	MARY		Total Monthly Flow	v:
Percent Removal	BOD5	S.S.	Ammonia	Phosphorus	(million gallons)	460
Primary Treatment	31.52	49.0				
•	NA	NA			Percent Capacity	
Secondary Treatment	95.9	88.2			(actual flow/design)	74%
Overall Treatment	97.21	94.0	98.6	75.0		
Phosphorus limit would be	7!	5 % removal.	(compliance +	vot achieved)		

Page 3 of 6

0/28/22 8/20/22

State Fo	rm 10829 (I ^s acility	R4 / 01-20)	ber	Month		Year		1								
Elkhart		IN00256	374	Ju	ulv.	20	22									
				State Form		20	<i>LL</i>									
			Effluent	oluce i onn											[
	Chl	oride		Nitrogen]											
Day Of Month	Chloride - mg/l	Chloride - lbs/day	Total Nitrogen- mg/l	Total Nitrogen- Ibs/day	Ag - Influent mg/l	Ag - Effluent mg/L	Cd - Influent mg/L	Cd - Effluent mg/L	CN - Influent mg/L	CN - Effluent mg/L	Cr - Influent mg/L	Cr - Effluent mg/L	Cu - Influent mg/L	Cu - Effluent mg/L	Hg - Influent ng/L	Hg - Effluent ng/L
1					0.0008	0.0002	0.0003	0.0002			0.0087	0.0002	0.0793	0.0116		
2																
3																
4																
5			16.60	2,503											63.1000	1.6300
6																
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8																
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13					0.0000	0.0002										
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29																
30	210	21,703														
31																
Avg.	210	21,703	16.60	2,503		0.0002									63.1000	
Max.	210	21,703				0.0002									63.1000	
Min.	210	21,703	16.60	2503	0.0002	0.0000								0.0116	63.1000	1.6300
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Data	1	1	1	1	4	4	1	1	0	0	1	1	1	1	1	1

WASTEWATER TREATMENT PLANT

State Form 10829 (R4 / 01-20)

Name o	of Facility	R4 / 01-20 Permit Numt) Der	Monlh		Year		1								
Elkhar	t	IN00256	574	ال	uly	20	22									
				State For				1								
																[
Day Of Month	Ni - Influent mg/L	Ni - Effluent mg/L	Pb - Influent mg/L	Pb - Effluent mg/L	Zn - Influent mg/L	Zn - Effluent mg/L										-
ay (<u> </u>	ш		<u> </u>												
	Z					N 0.0000										
1 2	0.0119	0.0087	0.0061	0.0010	0.1200	0.0330										
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30																
31	0.0446	0.0005			0.4555	0.0005										
Avg.	0.0119	0.0087	0.0061	0.0010	0.1200	0.0330		-								
Max	0.0119	0.0087 0.0087	0.0061	0.0010	0.1200	0.0330										
viin.	0.0119	0.0007		0.0010	0.1200	0.0330								1	I	
Data	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	



National Pollutant Discharge Elimination System (NPDES) CSO Monthly Report of Operation (CSO MRO) State Form 50546 (R4/9-15) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

	Elkhart									Page '	1 of	9		F	erm	nit Number:	IN	0025574	
acility	: Elkhart F	ublic Wor	ks & Utilitie	s								Public Not	lific	ation Requ	ren	ients Met?	Y		
Ionitor	ring Perio	d:	July	2022							E	nter "x" il	no	CSO disch	arg	e occurred	for	the month:	
esign	Peak Hou	rly Flow (N	/IGD):	44	Design Av	erage Flow	/ (MGD):	20		Measured/	Met	ered (M) o	or E	stimated (E) m	ust be spec	lfie	d	
<u>wwti</u>	P Influen	Data		Pr	ecipitation E	Data		0.000	<u> </u>	SO Outfall	No.	005			<u> </u>	SO Outfall	No.	006	
Day of Month	Average Daily Flow (MGD)	Peak Hourly Flow (MGD)	Time Precip, Began (am/pm)	Precip. Duration (Hours)	Total Daily Precip. (Inches)	Peak Intensity (Inch/hr)	Measureme nt Interval (hr, 30 m, 15 m)	Time Discharge Began	M or E	Event Duration (Hours)	M or E			Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	N
1	17.50	28.90	1:36 PM	3.42	0.69	1.00	15 min												
2	12.08	13.90	6:34 AM	0.08		0.04	15 min												
3	11.66	13.20					15 min												
4	11.81	14.00					15 min												
5	18.08	45.00	2:51 AM	16.13	1.27	1.20	15 min							3:08 AM	м	0,58	м	0.0803	N
6	26.54	45.40	12:11 AM	14.30	1.43	1.64	15 min							12:23 AM	м	0.92	м	0.512	N
7	13.77	15.00			0.00		15 min												
8	14.45	14.60			0.00		15 min												L
9	13.93	14.10			0.00		15 min												
10	14,67	16.00			0.00		15 min												
11	14.50	18.20			0.00		15 min												
12	14.07	15.20			0.00		15 min												
13	13.78	15,10			0.00		15 min												
14	13.82	14.50			0.00		15 min												T
15	17.28	41.20	1:01 PM	7.75	0.47	0.40	15 min												T
16	13.12	14.00	12:46 AM	8.72	0.00	0.04	15 min												T
17	13,65	17.80	5:44 AM	17.83	0.28	1.00	15 min										Τ		T
18	13.74	17.10	12:34 AM	1.58	0.01	0.24	15 min												T
19	13.57	13.50			0.00		15 min												T
20	13.27	15.20			0.01		15 min												T
21	14.47	14.30	9:46 PM	1.38	0.28	1.24	15 min												T
22	16.42	34.70			0.02		15 min				<u> </u>								T
23	21.83	42.10	2:24 AM	7.92	1.40	3.08	15 min							7:23 AM	м	0.50	м	0.5238	N
24	18.59	23.20	7:51 AM	13.47	0.75	0.24	15 min												f
25	13.93	15.60	1121740		0,02		15 min												t
26	14.73	16.20			0.00		15 min												t
27	13.15	13.70	7:01 AM	2.25	0.03	0.04	15 min												t
28	13.85	15.00	1101714		0.00		15 min									L			t
29	13.35	15.30			0.00		15 min										1		t
30	12.39	15.00			0.00		15 min												t
31	11.66	14.70			0.00		15 min							···· · · · · · · · · · · · · · · · · ·					t
	15 ALANTA			04.00					Da	0.00					Da	0.00		4 4 4 9 4	T
otals: yped o	459,66 or Printed	Name and	Title of Prin	94.83 Icipal Exec	6,66 utive Office	r or Autho	rized Agent	0	ys	0.00		0		3 Telephone	ys.	2,00		1.1161	1
			Laura	E. Kol	o, Utiliti	es Se	rvices N	/lanage	er						57	4-293-	-25	572	
VITH A NQUIR' UBMIT UBMIT	SYSTEM Y OF THE TED IS, T TING FAL	DESIGNEI PERSONS O THE BE SE INFOR	D TO ASSUR WHO MAN ST OF MY K MATION, IN	RE THAT Q AGE THE S NOWLEDO CLUDING	UALIFIED P SYSTEM OR BE AND BEL THE POSSIE	ERSONNE THOSE PI IEF, TRUE	ATTACHME L PROPERL ERSONS DIF , ACCURAT FINE AND IM	Y GATHER RECTLY RE E, AND COM	ANI SPC /IPL	D EVALUAT DNSIBLE FO ETE. I AM	re t Dr (AW	'HE INFOI GATHERII /ARE THA	RM/ NG NT 1	ATION SUB THE INFOR HERE ARE S.	MIT MA SIG	TED. BASI TION; THE GNIFICANT	ED C INFC	ON MY ORMATION	1
gnatu	re of Prin	8	utive Officer	1					(siste					Date (mm/	id/y	y) 08/24/2			5



CSO Monthly Report of Operation (CSO MRO) State Form 50546 (R4 / 9-15) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

City:	Elkhart												Page 2	2 of	9			Pern	nit Number:	IN	0025574			
Facility	Elkhart P	ubli	ic Works	:&l	Jtilities									J	Public No	tific	ation Requ	ilren	nents Met?	Y				
Monito	ing Period			July	2022										En	ter	"x" if no C	csc	discharge	9 00	curred f	or th	ne month:	
Design	Peak Flow	(Ho	urly) (MG	D):	44		Design Fl	ow	(MGD):		20		Measured/	Met	ered (M)	or E	stimated (E	E) m	ust be spec	lfie	d			
		CS	O Outfall	No.	007			cs	O Outfall	No.	008			cs	O Outfall	No.	009			C	30 Outfal	l No.	011	
	Time Discharge		Event Duration			M	Discharge		Event Duration	M or	Event Discharge			M TO	Event Duration	M or				Mor			Event Discharge	
Month 1	Began	E	(Hours)	E	(MG)	E	Began	Ε	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	or E	(MG)	or
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6	3:20 AM				1		3:14 AM			M	0.0029		3:25 AM					1	3:12 AM			M	0.0279	T
7	12:31 AM	M	2.23	М.	0,3863	M	12:40 AM	м	0.42	M	0,0633	M	12:41 AM	M	2.23	M	0.0912	M	12:33 AM	M	0.57	M	0.0540	IM
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21	11:06 PM			M									11:15 PM	M	0.90	M	0.0338	IM 						
22	12:01 AM			<u>М</u>															7.05.111			<u>.</u>		<u> </u>
23	7:31 AM	M	1.67	м	0.2795	M	7:25 AM	M	0.25	М	0.0384	M	7:36 AM	M	1.58	M	0.0637	M	7:23 AM	M	0.42	м	0.0337	<u>IM</u>
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		Da						Da				6094		Da						Da				
Totals:	5	Da ys	6.28		1.0486		3	ys	0.75	0.55	0.1046	1858	4	Da ys	5.98		0.2393		3	Da ys	1.32		0.1156	1



CSO Monthly Report of Operation (CSO MRO) State Form 50546 (R4 / 9-15) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

City:	Elkhart												Page S	3 of	9		P	ern	nit Number:	IN	0025574			
Facility	Elkhart Pu	ubli	c Works	&۱	Jtilities									Ρι	iblic Noti	fica	tion Requi	ren	nents Met?	Y				
Monitor	ing Period:			July	2022									9993 4405	Ente	er "	'x" if no C	sc	discharge	e o	curred f	or th	e month:	
Design	Peak Flow	(Hoi	urly) (MG	D):	44		Design Fl	ow	(MGD):		20		Measured/	Met	ered (M)	or E	Estimated (E) I	must be sp	ecifi	ed			
		cso	Outfall	No.	012			CS	O Outfall	No.	013			cso	Outfall	No.	14B			C	SO Outfal	<u>I No.</u>	015	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E		M or E	Duration	M or E	Event Discharge (MG)	M or E	Discharge	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	Mor	Time Discharge Began	MorE	Event Duration (Hours)		Event Discharge (MG)	M or E
1	4:02 PM	м	0.17																4:07 PM	м	0.25	м	0.0024	м
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5	3:17 AM	м	0.50	М	0.0174	м	3:17 AM	М	0.42	м	0.0397	М							3:22 AM	м	0.75	м	0.0889	м
6 7	12:32 AM	м	1.17	м	0.0650	м	12:27 AM	м	0.83	м	0.1144	M							12:32 AM	м	1,83	м	0.3858	м
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20 21	11:17 PM		0.17	м	0.0012		10:22 PM		0.08	M	0.0017								11:12 PM		0.50	м	0.0518	
22	11:17 PM	IVI	0.17	IVI	0.0013	IVI	10:22 PM	IVI	0.08		0.0017	IVI							11:12 PIV		0,50	IVI	0,0516	IVI
23	7:27 AM	м	0.58	м	0.0300	м	7:27 AM	м	0.50	м	0.0622	м							7:32 AM	м	0.83	м	0.1523	м
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Totals:	-5	Da ys	2.59		0.1144		4	Da ys	1.83		0.2180		0	Da ys	0.00		0.0000		5	Da ys	4.16		0.6812	



CSO Monthly Report of Operation (CSO MRO) State Form 50546 (R4 / 9-15) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

City:	DEPARTME Elkhart					inc.							Page	4 of	9			- Pern	nit Number:	IN	0025574			
	Elkhart P	ubli	Works	8 U	Itilities											ifica			nents Met?	å				
	ing Period:			July													u a ta t		discharge		curred fo	or th	e month:	
160330383	Peak Flow	102152			44		Design Fl	ow	(MGD):		20		Measured/	Met					nust be spe					
			O Outfall			1000	NULL CONTRACTOR		O Outfall	No.	017				O Outfall		1			0.55	SO Outfall	No.	019	
Day of		M	Event Duration	M	Event Discharge	M	Time Discharge	M	Event Duration	M or	Event Discharge	M or		M or	Event Duration	M	Event Discharge		Time Discharge	M	Event Duration	M	Event Discharge	
Month 1	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	1	1	(Hours)	E	(MG)	E	Began	E	(Hours)	or E	(MG)	or E
2						+							3:49 PM	M	1.83	M	0.1342	M		+				
192233097972 932722392254														-		-				+				+
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5							3:32 AM			М		<u> </u>		1		M				╞				+
6	12:43 AM	М	0.75	M	0.0946	М	12:37 AM	М	1.33	M	0.2919	M	12:30 AM	M	2.80	M	0,2992	М		-				+
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23	7:38 AM	м	0.42	м	0.0202	м	7:27 AM	М	0.67	м	0.1184	м	7:24 AM	м	3.17	м	0.2163	м	ļ	<u> </u>	ļ			
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Totals:	2	Da ys	1.17		0.1148		3	Da ys	2.33		0.4267		6	Da ys	10.29		0.8603		0	Da	0.00		0.0000	



CSO Monthly Report of Operation (CSO MRO) State Form 50546 (R4 / 9-16) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Dity:	Elkhart												Page	5 of	9			Pern	nit Number:	IN	0025574			
acility	Elkhart P	ubli	c Works	& ا	Itilities									P	ublic Not	ifica	tion Requ	irer	nents Met?	Y				
Monitor	ring Period:			July	2022										Ent	er ''	x" if no C	so	discharge	00	curred fe	or th	e month:	â
Design	Peak Flow	(Ho	urly) (MG	<u>D):</u>	44		Design F	low	(MGD):		20		Measured/	Met	ered (M) d	or E	stimated (E) n	ust be spe	cifie	d			
		cs	<u>O Outfall</u>	No.	020			CS	O Outfall	No.	023			cs	O Outfall	No.	024			<u></u>	<u>SO Outfal</u>	<u>l No.</u>	025	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E			Event Duration (Hours)	M or E	Event Discharge (MG)	M or E		M or E			Event Discharge (MG)	e M or
1	3:40 PM	м	0.42	м	0.0277	м	3:34 PM	м	0,50	м	0.0234	м							3:38 PM	м	0.42	м	0.0524	м
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5	3:15 AM	м	0.58	М	0.0388	м	3:09 AM	м	0.75	м	0.0537	м	3:28 AM	м	0,83	м	0,0558	м	3:03 AM	м	0.67	м	0.1332	м
6	12:20 AM	м	1.67	м	0.1107	М	12:24 AM	м	1.75	м	0.1473	м	12:43 AM	м	1.92	м	0.3832	м	12:18 AM	м	1.00	м	0.2322	м
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21	11:10 PM	м	0.25	м	0.0121	м	11:04 PM	м	0.33	м	0.0187	м							11:03 PM	м	0.33	м	0.0581	<u>M</u>
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23	7:25 AM	м	0.67	м	0.0392	м	7:24 AM	м	0.58	м	0.0700	м	7:33 AM	м	1.08	м	0.1566	м	7:23 AM	м	0.50	м	0.1195	м
24	9:05 PM	м	0.42	м	0.0277	м	9:04 PM	м	0.42	м	0.0211	м	ļ											
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rotals:	6	Da ys	4.01	NA JEST	0.2562		6	Da ys	4.33		0,3342		3	Da ys	3.83		0.5956		5	Da ys	2.92		0.5954	

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CSO Monthly Report of Operation (CSO MRO) State Form 50546 (R4 / 9-15) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

City:	Elkhart												Page	6 of	9		l r	Pern	nit Number:	IN	0025574			
Facility	Elkhart P	ubli	c Works	& ل	Itilities									P	ublic Not	lifica	ation Requ	iren	nents Met?	Y				
Monitor	ing Period:			July	2022										Ent	er '	'x" if no C	so	discharge	9 00	curred f	or th	e month:	
Design	Peak Flow	(Ho	urly) (MG	D):	44		Design Fl	low	(MGD):		20		Measured/	Met	ered (M)	or E	stimated (E) n	ust be spe	cifi	ed			
		cs	O Outfall	No.	026	10000 10000 10000		CS	O Outfall	No.	027			CS	O Outfall	No.	028			c	SO Outfal	<u>l No.</u>	029	
Day of	Time Discharge	Mor	Event Duration	M	Event Discharge	Mor	Time Discharge	M	Event Duration	M	Event Discharge	M or	Tíme Discharge	M	Event Duration	M or	Event Discharge	M	Time Discharge	M	Event	M	Event	N
Month	Began	E	(Hours)	E	(MG)	E	Discharge Began	E	(Hours)	E	(MG)	Е	Began	E	(Hours)	E	(MG)	E		E	(Hours)	or E	(MG)	or
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24	7:24 AM		0,20		0.0138		7:21 AM			M									7:24 AM		0.33	м	0.0125	
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otals:	3	Da ys	0.58		0.0201		6	Da ys	2.74		0.1092		0	Da ys	0.00		0.0000		2	Da ys			0.0179	

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CSO Monthly Report of Operation (CSO MRO) State Form 50546 (R4 / 9-15) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

	Elkhart												Page	7 of	9			Perr	nit Number:	IN	0025574			
Facility:	Elkhart P	ubli	c Works	. & L	Jtilities									F	Public No	lifici	ation Requ	lirer	nents Met?	Y				
Monitor	ing Period:			July	2022													30.39Z	discharge		curred fo	or th	e month:	5
Design	Peak Flow	(Hoi	urly) (MG	D):	44		Design Fl	ow	(MGD):		20		Measured/	Met	ered (M)	ог Е	stimated (Е) п	nust be spec	cifi€	ıd			
		CS	O Outfall	No,	031			CS	O Outfall	No.	032			cs	O Outfall	No.	033			C	SO Outfal	l No.	034	
	Time Discharge	M or	Event Duration	M or	Event Discharge	M	Discharge	Mor	Duration	M or	Event Discharge	M	Time Discharge		Duration				Discharge	M	Event Duration	M	Event Discharge	M
Month 1	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	Е	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	or E	(MG)	or E
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6	12:56 AM	М	1.42	М	0.0645	М	12:20 AM	м	2.00	м	0.2075	м	12:35 AM	м	4.92	М	3.0936	м	12:39 AM	М	0,25	м	0,0150	M
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23	7:36 AM	м	0,33	м	0.0273	M	7:20 AM	м	1.17	м	0.0593	м	7:35 AM	м	0.58	м	0.2997	м	7:24 AM	м	0.25	м	0.0136	м
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Totals:	3	yş.	1.92	1996	0.0952	100	4	ys	3,84		0.2797		4	ys	6.67	1	3.7290		2	ys.	0.50	12563	0.0286	1999

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CSO Monthly Report of Operation (CSO MRO) Stale Form 50546 (R4 / 8-15) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

City:	Elkhart				NTAL MAN								Page 8	Bof	9			Pern	nit Number	: IN	0025574			
Facility	Elkhart P	ubli	c Works	& L	Jtilities									F	Public Not	ifica	ation Requ	uiren	nents Met?	Y			0.0.000	
Monitor	ing Period:			July	2022										Ent	er "	'x" if no C	so	discharge	e oc	curred fo	or th	e month:	
Design	Peak Flow	(Hou	irly) (MG	D):	44		Design Fl	low	(MGD):		20		Measured/	Met	ered (M)	or E	stimated (E) n	ust be spe	cifie	ed			
		cs	O Outfall	No.	037			cs	O Outfall	No.	039			cs	O Outfall	No.	040			C	SO Outfal	<u>l No.</u>	6 4 6	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Discharge	MOTE	Event Duration (Hours)	Mor	Event Discharge (MG)	Mor	Time Discharge Began	M or E		M or E	Event Discharge (MG)	M or E	Time Discharge Began	M				
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4						Π																		
5	3:22 AM	м	1.42	м	0.8894	м	3:04 AM	м	0.67	м	0.0289	м	3:11 AM	м	1.25	м	0.0896	м		1				T
6	12:47 AM	м	3.33	м	2.6001	м	12:19 AM	м	1.67	м	0.0722	м	12:25 AM			м	0.2604	м						T
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15						 	2:24 PM	м	0.25	м	0.0070	м												<u> </u>
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17	5:22 PM	м	0.58	м	0.0734	м																		_
18																								
19						$\left \cdot \right $														-				
20						$\left \cdot \right $												<u> </u>		+				
21	11:17 PM	1		м			10:59 PM	м	0.25	м	0,0080	<u>M</u>							 		 			
22	12:02 AM			м	0.0413	П		$\left - \right $																
23 24	7:32 AM	м	2.58	M	1.7320	M	7:19 AM	М	0.50	M	0.0190	M	7:21 AM			м	0.2143							+
24 25		┝╌╿				H		$\left - \right $					9:04 PM	M	0,33	м	0.0279	M		+				
26		$\left \right $				H		$\left - \right $												+				
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31		\vdash				H		$\left \cdot \right $		ļ														+
Totals:	7	Da ys	10.07		5.7683	H	6	Da ys	3.84	553	0.1548	1533	5	Da ys	6.82		0.6292		0	Da	0,00		0,0000	



National Pollutant Discharge Elimination System (NPDES) CSO Monthly Report of Operation (CSO MRO) State Form 50546 (R4 / 9-15) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

City: Eikhart	Page: 9 of 9	Permit Number: IN0025574
Facility: Elkhart Public Works & Utilities	Public Not	Ification Requirements Met? Y
Monitoring Period; July 2022	Enter "x" If	no CSO discharge occurred for the month:
Design Peak Hourly Flow (MGD): 44 Design Average Flow (MGD): 20		
Day of Annu Comments (further explanation as to why each CSO event occurred)		
1 precipitation		a na presenta en esta contra se se se se se la contra en presenta de la se presenta de la contra de la contra s
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21 precipitation		
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23 precipitation 24 precipitation		
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29 30		
31		
yped or Printed Name and Title of Principal Executive Officer or Authorized Agent		Telephone
Laura E. Kolo, Utilities Services Manage	r	574-293-2572
CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER A NQUIRY OF THE PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RES SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COM UBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONME!	PREPARED UNDER MY DIR AND EVALUATE THE INFOR PONSIBLE FOR GATHERIN PLETE. I AM AWARE THA	RECTION OR SUPERVISION IN ACCORDANCE RMATION SUBMITTED. BASED ON MY IG THE INFORMATION; THE INFORMATION IT THERE ARE SIGNIFICANT PENALTIES FOR
Signature of Principal Executive Officer or Authorized Agent		Date (mm/dd/yy)
laura (D)		08/24/22

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21-Jul					1.63										2 2																	
21-Jun																																1.41
22-May				2.12																												
22-Apr				1.66																												1.66
22-Mar																																
22-Feb							0.87																									0.87
22-Jan								1																-								
21-Dec							1.18																									1.18
22-Nov																																
21-Oct																0.99																0.99
21-Sep																																
21-Aug			1.64																													1.64
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1.44 = rolling average

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🥳 View All Copies of Submissions | 🖳 DMR/COR Search Results 🖳 View DMR Signing Status

Signing Process Confirmation - CDX Activity ID: _0b077194-338f-4024-9acc-625e768fca77

Your DMRs are undergoing the Signing Process

	Date			
	MR Due I		28/22	
	Δ		08/	
	nd Dat			
	ing Period End Date			
	ing Pe			
	lonitor		07/31/2:	
	2			
			IVATED SLUDGE - TO ST JOSEPH RIVER	
			SOL TS	
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	acility		ELKHAR ⁻	
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the second s	Permit	the second	IN002567	
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Name of	Facility	R4 / 01-20) Permit Numi	ber	Month		Year]								
Elkhart		IN0025	674	Ju	ly	20	22									
				State Form	30530				r		,					
			Effluent		-	I										
	Chi	oride	Iotair	Nitrogen												
Day Of Month	Chloride - mg/l	Chloride - lbs/day	Total Nitrogen- mg/l	Total Nitrogen- Ibs/day	0 Ag - Influent mg/l 8000	0 00 Ag - Effluent mg/L	o 00 Cd - Influent mg/L	0.00 00 00 00 00 00 00 00	0.00 0.00 0.00 0.00 0.00	CN - Effluent mg/L	0 800'Cr - Influent mg/L	0 00 Cr - Effluent mg/L	0 0.02 0.02 0.02 0.02	0.0110 0.0110	Hg - Influent ng/L	Hg - Effluent ng/L
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3 4 5 6			16.60	2,503						0.0054					63.1000	1.6300
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19					0.0008	0.0002										
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21 22				,												
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Avg.	210	21,703		2,503	0.0007	0.0002	0.0003	0.0002	0.0032	0.0054	0.0087	0.0002	0.0793	0.0116	63,1000	1.6300
Max.	210 210	21,703		2502	0.0009	0.0002	0.0003	0.0002	0.0032	0.0054	0.0087	0.0002	0.0793	0.0116	63.1000	1.6300
<u>Min.</u>	210	21,703	16.60	2503	0.0002	0.0002	0.0003	0.0002	0.0032	0.0054	0.0087	0.0002	0.0793	0.0116	63.1000	1.6300
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Data	1	1	1	1	4	4	1	1	1	1	1	1	1	1	1	1

Laure Kolo Revise La submitted 10/17/22



DateSep 28, 2022Memo ToBoard of Public WorksMemo FromLaura Kolo, Utility Services ManagerSubjectWastewater Utility Monthly Report of Operations
for the month of August, 2022

Wastewater MRO Highlights

Parameter	Monthly Avg	Permit Limit
Suspended Solids mg/L	4	30
cBOD5 mg/L	2	25
Phosphorus mg/L	0.9	1.0
Ammonia mg/L	0.13	4.4 (Dec-Apr) 4.2 (May-Nov)
Avg Daily Flow MGD	13.58	Design - 20
Total Monthly Flow MGD	421	Report

Incident Reports Filed

Date	Location	Volume (gal)	Cause
8/24/22	MH 6352	unknown	grease

Wet Weather Overflows

Number of Events	Total Overlfow Volume (MG)
7	11.204

Second biomonitoring event for 2022 was conducted and we passed!

Signing Proces	Contirmatio		CUNITY IU:A4ev	ont-ratiot-tot	Signing Process Confirmation - CDX Activity ID: _a4e94d94-315d-4847-b0ae-629e533eb088
Your DMRs are undergoing the Signing Process	e Signing Process				
Permit ID Facility	Permitted Feature	Discharge #	Discharge Description	Monitoring Period End Date	DMR Due Date
IN0025674 ELKHART WWTP 035	035	035-TS	SEMIANNUAL BIOMONITORING 10/31/22	10/31/22	11/28/22

Indiana DEM

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Kolo, Laura

From:	postmaster@state.in.us
Sent:	Wednesday, September 28, 2022 9:42 AM
То:	Kolo, Laura
Subject:	EXTERNAL: Relayed: biomonitoring report for IN0025674_035TS for 2022 2/2
Attachments:	EXTERNAL: Relayed: biomonitoring report for IN0025674_035TS for 2022 2/2

Caution: This email originated from outside of the organization. Please take care when clicking links or opening attachments. When in doubt, contact your IT Department

Kolo, Laura

From:	postmaster@state.in.us
Sent:	Wednesday, September 28, 2022 9:45 AM
То:	Kolo, Laura
Subject:	EXTERNAL: Relayed: INLA000680_2202_08
Attachments:	EXTERNAL: Relayed: INLA000680_2202_08

Caution: This email originated from outside of the organization. Please take care when clicking links or opening attachments. When in doubt, contact your IT Department

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Signing Process Confirmation - CDX Activity ID: _a2d6272a-9d30-4a99-b891-eacd74935cdd

DMRs are undergoing the Signing Process

THILLY CONTROL TELL	Permitten reaction Placharthe &	ne * Discharge Description	MODIFICITING PERIOR STILL DATE DATE DATE DATE	VPIK PUR Vals
025674 ELKHART WWTP 005	005-C	CSO- ARCH/BAR, NW OF INTERSECTION	08/31/22	09/28/22
25674 ELKHART WWTP 006	006-C	CSO- JACKSON, N OF BRIDGE, W OF ELKHART RIVER	08/31/22	09/28/22
007 ELKHART WWTP 007	007-C	CSO- JACKSON, N OF BRIDGE, E OF ELKHART RIVER	08/31/22	09/28/22
025674 ELKHART WWTP 008	008-C	CSO- HUG/EAST BLVD	08/31/22	09/28/22
005674 ELKHART WWTP 009	009-C	CSO- NIBCO PRKWY - FKA JR. ACHIEVEMENT (Y DR N)	08/31/72	09/28/22
325674 ELKHART WWTP 011	011-C	CSO- ELKHART/FRANKLIN	08/31/22	09/28/22
025674 ELKHART WWTP 012	012-C	CSO- CASSOPOLIS/BEARDSLEY	08/31/72	09/28/22
025674 - ELKHART WWTP 013	013-C	CSO- JOHNSON/BEARDSLEY	08/31/22	09/28/22
025674 ELKHART WWTP 014	014-C	CSO- DAM AT CONE/ERWIN	08/31/22	09/28/22
125674 ELKHART WWTP 015	015-C	CSO- MICHIGAN/FULTON	08/31/22	09/28/22
125674 ELKHART WWTP 016	016-C	CSO- DAN @ GOSHEN/SUPERIOR	08/31/22	09/28/22
325674 ELKHART WWTP 017	017-C	CSO- W. BOULEVARD/MCNAUGHTON	08/31/22	09/28/22
125674 ELKHART WWTP 018	018-C	CSO- MCNUGHTON PARK WEST	08/31/22	09/28/22
025674 ELKHART WWTP 019	019-C	CSO-MICHIGAN @ RVR, S. OF LEX.	08/31/22	09/28/22
325674 ELKHART WWTP 020	020-C	CSO- BRIDGE AND HUDSON	08/31/22	09/28/22
125674 ELKHART WWTP 023	023-C	CSO- FRANKLIN/8TH	08/31/22	09/28/22
325674 ELKHART WWTP 024	024-C	CSO- INDIANA/FRANKLIN	08/31/22	09/28/22
125674 ELKHART WWTP 025	025-C	CSO- POTTAWATOMI/SECOND	08/31/22	09/28/22
025674 ELKHART WWTP 026	026-C	CSO- MALN/POTTAWATOMI	08/31/22	09/28/22
325674 ELKHART WWTP 027	027-C	CSO- EDGEWATER/NAVAJO	08/31/22	09/28/22
125674 ELKHART WWTP 028	028-C	CSO- WASHINGTON AT RIVER	08/31/22	09/28/22
325674 ELKHART WWTP 029	029-C	CSO- JEFFERSON AT THE RIVER	08/31/22	09/28/22
125674 ELKHART WWTP 031	031-C	CSO- ELIZABETH/LUSHER	08/31/22	09/28/22
025674 ELKHART WWTP 032	032-C	CSO- EDGEWATER/OKEMA	08/31/22	09/28/22
025674 ELKHART WWTP 033	033-C	CSO- EVANS/GRACE	08/31/22	09/28/22
025674 ELKHART WWTP 034	034-C	CSO- LEXINGTON/6TH	08/31/22	09/28/22
035674 ELKHART WWTP 035	035-A	20 MGD CLASS IV ACTIVATED SLUDGE - TO ST JOSEPH RIVER	R 08/31/22	09/28/22
025674 ELKHART WWTP 037	037-C	CSO- FRANKLIN/KRAU	08/31/22	09/28/22
125674 ELKHART WWTP 039	D-6E0	CSO- WEST HIGH AT RIVER	08/31/22	09/28/22
125674 . ELKHART WWTP 040	040-C	CSD- MCNAUGHTON PARK SOUTH	08/31/22	09/28/22

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2008 NetDMR

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IR Copy of Submission

	IN0025674 ELKHART WWTP ELKHART WWTP 035 - EKtemal Outdal	Major Permitteo Address: Facility Locardon: Discharge:		1229 SOLTH ; MD 551 229 SOLTH ; MD 551 2101 S MART	a suudae - to st joseph r	üver		
Report Dans & Status Monitaring Period: From Status: Nett Considerations for Form Completion	From 08/01/22 to 08/31/22 NetDMR Validated Von			09/28/22	:			
THE FLOW METER(S) SHALL BE CALIB Principal Executive Officer Inst Name: Title: No Data Indicator (NODI)	THE FLOW WETEK(S) SHALL BE CALIBRATED AT LEAST ONCE EVERY Principal Executive Officer Laura These waves to the control of the	N TWELVE MONTHS. REPORT QUARTERLY Last Namo: Telophome:	UARTERLY PARAMETERS OF Kolo	PARANETESS ON 035-AQ NETONA, MUNICIPAL MUOR ELKINKIT COUNTY Kalo 574-291-2572	AJOR ELKHART COUNTY			
Parameter	IOOM	QuanUty or Loading		õ	1	۶. ۲	Freq. of Analysis	Smpl. Type
.code 00300 Oxygen, dissolved [DO] 1 - Filliumi Graves	value 1	7 DAIRA	Unice Value 1	Ague 2	C ODIEA	илиз 19 - та/Г. D	Alleg - Ta/to	3R - 3GR24H
	Req.		NIHANAYID 0.4=-<	Ni .		1/6m - 61	01/01 - Dally	3R - 3GR24H
00400 pH	SmpL		2,7.2		-7.9	12-SU 0	vhad - 10\10	- 80 80
	Req. NODI		>=6.0 DATLY MN	Z	<=9.D DAILY MX	12 - SU	01/01 - Deily	
00530 Solids, total suspended 1 - Effluent Gross	Smpl. =512.0	■633.0	26 - Ib/d	0.Pe	=5,0	19 - mg/L D	01/01 - Daily	24 - COMP24
	Req. <=7511.0 MD AVG MDDT	<=11266,0 MX WK AV	26 - lb/d	24±30,0 MD AVG	<=45.0 MX WK AV	19 - mg/L	V101 - Daity	24 - COMP24
00000 Nibrogen, tatal [as N] 1 - Effluent Gross			25 - Ib/d	-18.0		19 mg/L 0	Vitture - 02/20	24 - COMP24
	Req. Req Mon MO AVG MODI		26 - Ib/d	Req Mon MD AVG		19 - mg/L	yldao - Monthly	24 - COMP24
00610 Nitrogen, ammonia total [as N] 1 - Fillion Greec		0,12=	26 + 1b/d	ST'0=	-0.2	19 - mg/L 0	VIInd - 10/10	24 - COMP24
	Req. <=1051.0 MD AVG Modi	<2478.0 DAILY HX	26 - 1b/d	<=4.2 MD AVG	XM YIIND 9,9->	19 - тд/Г	Alled - 10/10	24 - COMP24
00665 Phosphorus, total [as P] 1 - Effluent Gross	Smpt102.0		26 - ib/d	-0.9		19 - mg/L 0	01/01 - Daily	24 - COMP24
	Red. Req Mon MO AVG NDDI	· · · · · · · · · · · · · · · · · · ·	26 - 1b/d	<=1.0 MD AVG		19 - mg/L	01/01 - Dally	24 - COMP24
01079 Silver total recoverable 1 - Effuent Gress	Smpt. <0.018	<0,022	26 - Ib/d	<0.0002	<0.0002	19 - mg/L · D	01/07 - Weakly	24 - COMP24
A 1 1 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1	Req. Req Mon MO AVG NODI	Req Hen DAILY MX	26 + lb/d	Red Man NO AVG	Req Mon DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24
01079 Silver tolal recoverable G - Raw Sevage Influent	Smpl.			=0,00026	-0.0015	29 - mg/L 0	02/DM - Twice Every Month	24 - COMP24
	Req.			Reg Mon MO AVG	Req Mon DATLY MX	19 - mg/L	02/DM - Twice Every Month	24 - COMP24
50050 Flow, in conduit or thru treatment plant	Smpt. •13.579		53 - 100 M			•	Alao - 10/11	TM - TDIALZ
t - Effluent Gross Season: 0 MOD1: -	Req. Req Mon HO AVG NDDI		03 - MGD				Ajred + 10/10	TM - TOTAL2
51041 E. out, colony forming units [CPU] 1 - Effluent Grass	. Smpl.			-12.0	0.25.×	0 Throom 0 32 +	V1/01 - Daily	GR.
	Req. NDDI			<= 125.0 H0 GE0	<	32 + GFU/100mL	AlleQ - 10/10	• 878
71901 Mercury, total recoverable 1 - Effuent Gross	Smpl			H4:[=	-1.63	0 T/Gu - MC	01/60 - Dnor Every 2 Months	GR - GRAB
	Ræq. NDDT			<-1,6 ANNLAVG	Req Mon DALY MX	7/64 - MC	01/60 - Dace Every 2 Months	GRAN
71901 Mercury, total recoverable G - Raw Sewage Influent	Smpt.				-63.1	0 T/5u - HE	01/60 - Once Every 2 Months	GRAB -
	Req.		-		Req Mon DAILY MX	3M - ng/L	01/60 - Once Every 2 Months	878
80082 800, carbonaceous [5 day, 20 C] 1 - Effluent Grass	\$mpL =270.0	0.116-	26 - lb/đ	=2.0	=3.D	19 - mg/L 0	VI01 - Daily	24 - COMP24
-	Req. <-5259.0 MC AVG	<	26 - (b/d	<=25.0 MO AVG	<40.0 MX WK AV	19 - mg/L	01/01 - Daily	- M-

K - Percent Removal Season: 0	Req.		NM VA OM 0.25=<	· · · · · · · · · · · · · · · · · · ·			
3an: 0					A COMPANY OF A COM		
					*-n	VittueM - 0C/10	.6 55
NODI: -	IGON						
82220 Flow, total 1 - Effluent Gross	Smpl.	-421.0	80 - Mgal/mo		0	VICTOR - OE/TO	RT - RCOTOT
Season: D	Req.	Red Mon MO TOTAL	80 - MgaVmo			Aliquow - OC/TO	RT - RCOTOT
NODI: -	NODI						
Nàme				Type	Ą		
IN0025674 035a MRO 2022 08.pdf				ndf	902904.0		
Thomas and the second second				1	0 2720771		
IND025674_INC_RPT_2022_08_01.pdf	đ			2 2	110933.0		
Report Last Saved By							
ELKHART WWTP							
User:	Payton88						
Name:	aloh euru						
E-Mail:	laura.kolo@coel.org	É lo					
Date/Time:	2022-09-28 07::	2022-09-28 07:54 [Time Zone:-04:00)					
Report Last Signed By							
User	Payton88						
Name:	Laura Kolo						
E-Mailt:	laura.kolo@coel.org	E o					

2008 MetDNR



Day Of Month Day of Week

1 Mon 2 Tue 3 Wed 4 Thu 5 Fri 6 Sat 7 Sun 8 Mon 9 Tue 10 Wed 11 Thu 12 Fri 13 Sat 14 Sun 15 Mon 16 Tue 17 Wed 18 Thu 19 Fri 20 Sat 21 Sun 22 Mon 23 Tue 24 Wed 25 Thu 26 Fri 27 Sat 28 Sun 29 Mon 30 Tue 31 Wed Average Maximum Minimum

of Data

MON ACT WAS

										Name of Faci	lity				Permit Num	ber		
	THE ST	TE O	MON	тні у	REPC			ERATIC	N	Elkhart					IN00256	374		
6	2			VATED						Month		Year		Plant Des			e Number	
SEAL		1 DANA								August		2022		20.00	mad	5	74/293	2572
		S /	VVAS	IEVVA	IER	IREA		r plan							niga	0		
	181	Bernarden	State For	rm 10829 (R4/01-2	20)				E-mail add Certified Ope		laura.ko	lo@coei.c	org Class	Certificate	Number	035 Expl	A ration Date
										Laura E.				IV	150		· ·	30/2023
				Total=			Cł	IEMICA	LS						100		00/	50,2020
				4.81				USED				·	RAV	V SEWA	AGE	1		
	Day of Week	Man-Hours at Plant (Plants less than 1 MGD only)	Air Temperature (optional)	Precipitation - Inches	Bypass At Plant Site("x" If Occurred)	Sanitary Sewer Overflow("x" If Occurred)	Chlorine - Lbs/day	Ferrous Chloride Lbs/Day or Gal./Day	Lbs/Day or Gal./Day	Influent Flow Rate (if metered) MGD		CBOD5 - mg/l	CBOD5 - lbs/day	Susp. Solids - mg/l	Susp. Solids - Ibs/day	Phosphorus - mg/l	Ammonia - mg/l	
		e)	Air	e e	Byl	Š	- H	Геі		(if n	Нd	BO	ğ	Sus	Sus	ohc	- m	
1	Mon			0.00				180		12.870	7.8	72	7,677	102	10,948	2.78	15.16	
2	Tue			0.00				180		12.700	7.7	114	12,073	136	14,405	3.93	21.60	
3	Wed			0.28						14.140	7.7	117	13,772	160	18,868	3.92	20.48	
4	Thu			1.37						13.350	7.7	79	8,805	110	12,247	3.30	17.16	
5 6	Fri			0.00				198		21.750 12.140	7.8 7.8	96 102	17,454 10,332	124 94	22,493 9,517	3.03	16.16 17.76	
7	Sat Sun			0.80		\vdash		198		12.140	8.3	99	9,992	94 80	8,080	2.84	16.64	
, 8	Mon			0.03				100		12.860	7.9	69	7,377	90	9,653	2.67	15.88	
9	Tue			0.00				190		11.940	7.9	98	9,774	142	14,140	4.02	21.24	
0	Wed			0.00				190		12.480	7.6	58	6,058	120	12,490	4.04	15.16	
1	Thu			0,00				179		11.760	7.6	106	10,440	144	14,123	4.78	17.60	
2	Fri			0.00				225		12.400	7.8	112	11,616	192	19,856	4.34	21.08	
3 4	Sat			0.00				194 192		11.260 14.450	7.8 7.5	121 108	11,332 13,027	252 166	23,665 20,005	4.91 2.80	19.20 10.16	
4 5	Sun Mon			0.41				192		12.130	7.5	53	5,336	100	10,319	2.80	17.72	
6	Tue			0.00				188		12.380	7.7	177	18,244	164	16,933	4.23	20.48	
7	Wed			0.00				234		11.940	7.7	103	10,265	136	13,543	4.35	24.96	
8	Thu			0.00				168		12.730	7.9	199	21,117	132	14,014	4.51	23.88	
9	Fri			0.00				216		11.630	7.8	144	13,938	122	11,833	4.64	22.28	
20	Sat			0.00				198		12.100	7.6	143	14,388	104	10,495	4.10	20.32	
21				0.44				205		13.160 11.700	7.8	97	10,677	88	9,658		11.64	
23	Mon			0.01				198 205		12.460	8.0 7.6	112 126	10,938 13,078	110 170	10,734 17,666	3.91 4.83	17.44 19.96	
24	Tue Wed			0.00				203		12.000	7.6	158	15,801	202	20,216	4.31	25.44	
25	Thu			0.00				212		12.000	7.6	154	15,439	202	20,284	4.85	22.20	
26				0.00				228		11.770	7.6	160	15,688	212	20,810	6.12	26.28	
27	Sat]			200		11.160	7.6	110	10,274	100	9,307	4.55	29.16	
28	Sun			0.05				200		11.450	7.5	83	7,914	94	8,976	2.85	16.72	
29 10	Mon			0.95				125		20.670 12.190	7.6 7.8	115 122	19,759 12,439	278 174	47,924 17,690	3.94 4.34	17.84 20.48	
	Tue Wed			0.38		-		327		12.190	7.6	113	12,439	174	18,332	4.34 5.11	20.48	
	age	L		0.17				201		12.924		114	12,168	144	15,781	3,96	19.39	
	imum			1.37				327		21.750	8.3	199	21,117	278	47,924	6,12	29.16	
niı	num			0.00				125		11.160	7,5	53	5336	80	8080	2.14	10.16	
of	Data		0				0	26	0	31	31	31	31	31	31	31	31	0
	were syste and resp	lify under prepared em desigr evaluate t persons w onsible fo	under n ned to a he infoi ho mar r gathei	ny direct assure th rmation nage the ring the	ion or a nat qua submit syster informa	supervi lified pe ted. Ba n, or th ation, tł	ision in a ersonnel ised on r iose pers ne inform	ccordanc properly ny inquin sons dire nation sul	ce with a gather y of the ctly omitted	Prepared by			on of (Certifie VAR			ć		122
	C	, to the be complete. bmitting fa	l am av alse info	ware tha	t there 1, includ	are sig ding the	nificant	penalties lity of fine	for	Signature of (or attested I	by NetDN	IR subscrib	er agreemer	it)	ient		onth, day,	
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State Form 10829 (R4 / 01-20) Name of Facility

	of Facility	(R4 / 01-20)		Permit Numb	er	Month		Year										
Elkha	art			IN00256	674	Aug	ust	20	22									
	PRIMA		T			RATIO	NI			05001		[
	EFFLUE		MIXED L	IQUOR		KAHU		RETURN S	UDGE	SECON			F	INAL E	EFFLUE	ENT		
Day Of Month)D5 - mg/l	o. Solids - mg/l	Settleable Solids % in 30 minutes	Susp. Solids - mg/l	Sludge Vol. Index - ml/gm	Dissolved Oxygen - mg/l	lemperature - F	Volume - MG	o. Solids - mg/l)D5 - mg/l	o. Solids - mg/l	Residual Chlorine - Final	Residual Chlorine - Contact Tank	Coli - colony/100 ml	pH - daily low (or single sample)	pH - daily high (if multiple samples)	Dissolved Oxygen - mg/l	Oil & Grease (mg/l)
	СВОD5	Susp.							Susp.	CBOD5	Susp.	ц В С		ш	:)	_	Ŭ
1	55	48	164	2,148	76	3.6	19	7.785	4,480					18	7.9		8.3	
2	83 108	64 80	168 175	2,320 2,424	72 72	4.0 4.4	19 20	7.785	5,220 5,100					17 13	7.7		8.0 8.4	
4	73	47	180	1,980	91	4.4	20	7.785	3,280					18	7.6		8,3	
5	71	50	130	2,436	53	4.9	20	7.785	8,660					23	7.7		7.9	
6	84	41	197	1,656	119	5.4	21	7.785	3,480					13	7.7		8.4	
7	68	45	204	1,992	102	4.8	21	7.785	3,720					13	7,6		8.6	
8	62	87	202	2,224	91	3.9	20	7.785	4,220					6	7.9		8,5	
9	70	57	190	2,272	84	4.1	21	7.785	5,220					4	7.8		7.9	
10	49	68	189	2,512	75	4.7	20	7.785	5,880					6	7.8		8.2	
11	69	48	170	2,284	74	3.7	20	7.785	5,180					14	7.7		8.3	
12	68	62	187	2,428	77	3.9	20	7.785	5,240					11	7.6		9,3	
13	110	260	188	2,628	71	4.1	20	7.785	5,400					25	7.7		8.4	
14	102	146	170	2,680	63	4.2	20	7.785	6,480					12	7.7		8.1	
15	48	53	166	2,416	69	4.5	20	7.785	5,040					16	7.7		8.4	
16 17	144 82	51 56	176 180	1,856 1,804	95 100	3.3 3.1	20 20	7.785 7.785	5,700 5,060					10 11	7.7 7.8		8.3 7.9	
17	112	50	166	2,372	70	3.3	20	7.785	5,060					17	7.6		7.9	
19	109	52 79	191	2,688	70	4.2	20	7.785	5,020					12	7.6		7.9 8.0	
20	98	50	174	2,000	72	3.5	20	7.785	5,360					6	7.8		8.4	
21	84	68	176	2,436	72	3.8	20	7.785	5,200					6	7.7		8.1	
22	68	47	168	2,256	74	3.6	20	7.785	5,420					6	7.7		8.1	
23	74	59	182	2,060	88	2.7	20	7.785	4,140					11	7.7		8.0	
24	107	106	174	2,364	74	3.5	20	7.785	4,820					12	7.6		8.0	
25	108	130	156	2,352	66	2.8	20	7.785	5,080					15	7.6		7.9	
26	87	76	164	2,360	69	4.0	20	7.785	4,840					8	7.7		7.9	
27		68	170	2,488	68	3.4	20	7.785	4,620					11	7.7		8.3	
28	58	54	158	2,480	64	3.6	20	7.785	5,400					19	7.6		8.0	
29	75	148	156	2,284	68	3.4	21	7.785	5,180					20	7.6		8.0	
30	75	68	156	2,380	66	4.1	20	7.785	5,120					10	7.5		7.9	
31	73	54 75	167	2,380	70	3.20	20	7.785	5,040					20	7.7		7.9	
Avg.	83 144	75 260	174 204	2,302 2,688	77 119	3.9 5.4	20 21	8	5,103 8,660					13 25		7.9	8.2 9.3	
Max Min.	48	 	130	2,688 1656	53	2.7	19	8	3280					 		7.50	9.3	
	/ Max	וד				1	13		0200					25		1.00	1.0	
	Days ab	ove 235												0				
Data		31	31	31	31	31	31	31	31	0	0	1	0	31	31	0	31	0
			1									ontmont or	·		·	I	1	

Comments for the Month (major repairs, breakdowns, process upsets and their causes, inplant treatment process bypass, etc.):

Name of		0829 (R4 / 01- y	·	Permit Numb	er	Month		Year									
Elkhart				IN00256	674	Aug	just	20	22								
Г							FI	NAL EF		•							
		Flow		BOD						d Solids	2	Ammor	la			Phosph	orus
								Total O	openae	u oonu		Aminor					
	Day of Week	Effluent Flow Rate (MGD)	Effluent Flow Weekly Average	CBOD5 - mg/l	CBOD5 - mg/l Weekly Average	CBOD5 - Ibs/day	CBOD5 - Ibs/day Weekly Average	- Susp. Solids - mg/l	Susp. Solids - mg/l Weekly Average	Susp. Solids - Ibs/day	Susp. Solids - Ibs/day Weekly Average	Ammonia - mg/l	Ammonia - mg/l Weekly Average	Ammonia - Ibs/day	Ammonia - Ibs/day Weekly Average	Phosphorus - mg/l	Phosphorus - Ibs/day
	Mon	13.600		2		256		5		533		0.09		10.2		0.78	88
	Tue	11.457		2		223		3		296		0.12		11.5		0.58	55
	Wed	15.541		3		354		4		518		0.10		13.0		0.87	113
<u>4</u> ·	Thu	16.151		4		533		13		1,697		0.15		20.2		1.22	164
5	Fri	16.269		3		369		4		516		0.10		13.6		0.76	103
6	Sat	14.935	14.230	2	2.61	219	314	3	5.20	349	633	0.10	0.11	12.5	13	0.70	87
	Sun	12.381		2		217		3		330		0.09		9.3		0.88	91
8	Mon	11.822		2		198		3		325		0.09		8.9		0.73	72
9	Tue	13.332		2		225		4		400		0.08		8.9		0.64	71
10	Wed	14.214		2		108		4		474		0.07		8.3		0.81	96
	Thu	13,793		2		169		5		575		0.07		8.1		0.79	91
12	Fri	13.202		2		197		5		562		0.09		9.9		0.89	98
13	Sat	12.588	13.047	2	1.79	234	193	5	4.13	493	451	0.09	0.08	9.4	9	0.95	100
14	Sun	16.690		2		320		6		835		0.09		12.5		0.91	127
15	Mon	15.618		2		298		4		586		0.08		10,4		0.75	98
16	Tue	10.686		3		231		5		428		0.09		8.0		0.69	61
17	Wed	11.346		2		237		5		473		0.23		21.8		0.83	79
18	Thu	12.605		3		311		5		526		0.74		77.8		0.82	86
19	Fri	13.062		3		288		4		468		0.09		9.8		0.92	100
20	Sat	11.483	13.070	3	2.59	271	279	3	4.70	316	519	0.09	0.20	8.6	21	1.18	113
21	Sun	16.375		4		500		4		615		0.07		9.6		1.03	141
22	Mon	13.221		3		289		4		386		0.08		8.8		0.90	99
	Tue	13.419		2		272		4		392		0.08		9.0		0.90	101
24		12.309		2		235		5		524		0.08		8.2		0.87	89
25	Thu	12.843		2		267		5		568		0.14		15.0		0.85	91
26	Fri	12.619		2		209		4		474		0.09		9.5		1.16	122
27	Sat	11.769	13.222	2	2.55	230	286	5	4.50	501	494	0.09	0.09	8.8	10	1.17	115
28		11.870		3		257		4		366		0.09		8.9		1.17	116
29		20.508		3		493		4		735		0.29		49.6		1.29	221
30		13.258		2		119	·	2		254		0.28		31.0		0.89	98
31		11,997	13.265	2	1.99	237	229	4	3.80	360	424	0.86	0.19	8.0	24	0.86	86
Avg	, 1 04	13.579		2		270		4		512		0.15		14.8		0.90	102
Max		20.508	14.230		2.61	533	314	13	5.20	1,697	633	0.86	0.20	77.8	24	1.3	221
Min		10.686	13.047	2		108	193	2	3.80	254	424	0.07	0.08	8.0	9	0,6	55
Data		31				31		31	5	31	5	31	5	31	5		

	MONTHLY	REMOVAL SUM	MARY		Total Monthly Flow	v:
Percent Removal	BOD5	S.S.	Ammonia	Phosphorus	(million gallons)	421
Primary Treatment	27.07	48.1				
	NA	NA			Percent Capacity	
Secondary Treatment	97.1	94.1			(actual flow/design)	68%
Overall Treatment	97.87	96.9	99.2	77.3		
Phosphorus limit would be		75 % removal.	(compliance a	achieved)		

State Fo	rm 10829 (F Facility	R4 / 01-20) Permit Numl	ber	Month		Year								
Elkhart		IN00256	674	Aug	ust	20	22							
		1												
	SLUDG					DIG	ESTER (OPERAT	TION					
	DIGES	<u>FER</u>	Anaero	bic Only		-								
Day Of Month	e GPrimary SludgeGal. x 100	0.91 Waste Act. Sludge Gal. x 1000	ਸੁਰ 7.2	Gas Production Cubic Ft. x 1000	7 Temperature - F	Supernatant Withdrawn hrs. or Gal. x 1000	Supernatant BOD5 mg/l or NH3-N mg/l	ต Total Solids in Incoming Sludge - %	Potal Solids in Digested Soludge - %	Volatile Solids in Incoming Sludge - %	Volatile Solids in Digested Sludge - %	Digested Sludge Withdrawn hrs. or Gal. x 1000		
1		216.00	7.2		96 95	3.537		5.25	2.62	79.63	56.72	101.43		
3	42.55	216.00	7.1		95	3.537		4.43	2.68 2.80	79.01 75.86	56.97	87.69		
4	31.86	216.00	7.1		94	10.611		4.43 5,46	2.80	75.86	58.10 56.88	72.00		
4	22.99	216.00	7.2		94	3.537		6,92	2.72	75.32	56,90	62.33		
6	26.00	216.00	7.2		94	3.557		7.05	2.30	70.95	56.20			
7	11.02	216.00	7.3		96			5.72	2.21	73.68	56.91			
8	21.20	216.00	7.3		97			6.34	1.95	74.97	57.06			
9	17.10	216.00	7.4		97			6.15	1.83	77.54	56.25	57.92		
10		216.00	7.3		96	0.000		0.10	1.77	11.01	55.88	07.02		
11	30.66	216.00	7.3		96	10.611		1.71	1.80	76.92	58.28	93.89		
12	21.78	244.80	7.3		97	14.148		4.70	1.96	70.97	56.14			
13	41.56	244.80	7.2		94	21.222		5.89	2.45	70.78	57.02			
14	40.35	244.80	7.4		93			6.70	2.17	70.83	58,62			
15	17.01	244.80	7.4		95			6.50	2.55	70.08	58.30	94.31		
16	22.00	244.80	7.3		96			6.13	2.98	73.19	57.31	101.43		
17	40.41	244.80	7.1		95	10.611		6.81	3.01	72.29	57.81	129.30		
18	32.58	244.80	7.2		93	10.611		4.86	2.83	71.96	58.00	125.26		
19	31.18	244.80	7.2		95	0.000		4.88	2.77	73.42	58.14			
20		244.80	7,3		95	3.537		4.53	2.75	76.58	56.91			
21	31.96	244.80	7.4		95	3.537		5.07	2.74	77.78	57.48			
22	12.59	244.80	7.4		95			5.96	2.64	76.76	56,70	72.34		
23	31.61	244.80	7.3		95			4.59	2.76	75.58	56.77	93.93		
24	40.15	244.80	7.3		95	3.537		4.31	2.76	74.57	57.03	65.29		
25	43.53	244.80	7.2		95	17.685		3.85	2.82	73.70	57.08	125.96		
26		244.80 244.80			95	3.537		3.32	2.86	72.35	57.81	· · · · · · · · · · · · · · · · · · ·	ļ	
27	22.16	244.80	7.2 7.3		95 95	7.000		5.27 5.88	2.68 2.57	75.64 78.25	52.59			
28		244.80	7.3		95			5.88 6.18	2.57	78.25	58.02 57.85			
30		227.52	7.4		94			6.66	2.52	76.37	57.83	101.70		
31	29.74	230.40	7.5		95	14,148		6.52	2.55	76.10	58.37	90.43		+
Avg.	29.19	233.56			95	7.856		5.43	2.51	74.60	57.16	92.20		
Max.	43.53	244.80	7.5		97	21.222		7.05	3.01	79.63	58.62	129.30		1
Min.	8,97	216.00	7.1		93	0.000		1.71	1.77	70.08	52.59	57.92		1
Data	31			0			0						C) 0

Once completed, this form should be converted to a pdf document, named appropriately & attached to the corresponding netDMR for submittal

Efent IN0025674 August 2022 Statulute for State Form 2053 Image: Statulute for State Form 2053 Image: State Form 2053 Image: State Form 2054 Image: State Form 2054 Image: State Form 2054	State For Name of F	m 10829 (F acility	R4 / 01-20)	er	Month		Year		1								
Businitie for Slate Form 20130 Chloride Total Filture # Imal Effluent Imal Effluent Ima						iust		22									
Final Effuent Total Nitrogen Image: Strate							20	<u> </u>									
Image: state of the s	ļ		Final	Effluent		-	1										
1 18.00 2.042 0.0006 0.0002 0.0008 0.0002 0.0098 0.0002 0.0098 0.0002 0.0098 0.00048 1 4 1	-	Chle	oride	Total N	<u>litrogen</u>	-											
2 0.0006 0.0002 0.0008 0.0002 0.0098 0.0002 0.0776 0.0048 3 -		Chloride - mg/l	Chloride - Ibs/day			Ag - Influent mg/l	Ag - Effluent mg/L	Cd - Influent mg/L	Cd - Effluent mg/L	CN - Influent mg/L	CN - Effluent mg/L	Cr - Influent mg/L	Cr - Effluent mg/L	Cu - Influent mg/L	Cu - Effluent mg/L	Hg - Influent ng/L	Hg - Effluent ng/L
3 -				18.00	2,042	0.0000	0.0000	0.0005	0.0000			0.0000	0.0000	0.0770	0.0040		
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Max. 135 14,927 0.0016 0.0002 0.0005 0.0002 0.0098 0.0002 0.0048 Min. 135 14,927 18.00 2042 0.0003 0.0005 0.0002 0.0008 0.0002 0.00776 0.0048		135	14,927	18.00	2,042	0.0009	0.0002	0.0005	0.0002			0.0098	0.0002	0.0776	0.0048		
Min. 135 14,927 18.00 2042 0.0003 0.0005 0.0002 0.0008 0.0002 0.00776 0.0048						0.0016	0.0002	0.0005	0.0002								
				18.00	2042												
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WASTEWATER TREATMENT PLANT

State Name	Form 10829 of Facility	(R4 / 01-20) Permit Numb) ier	Month		Year								
Elkhar	t	IN00256	674	Aug	ust	20	22							
				State For										
	Ţ	٦٦	J/L	g/L	j/L	J,L								
Ę	bm	бш	Ĕ	Effluent mg/L	ů.	Ĕ								
Nor	ent	ent	lent	len	ient	nen								
ę	nflu	n Hin	Influ	E E	uffu	Ē								
Day Of Month	Ni - Influent mg/L	Ni - Effluent mg/L	Pb - Influent mg/L	- dq	Zn - Influent mg/L	Zn - Effluent mg/L						:		
<u> </u>	Z		<u> </u>	<u>A</u>	N	Ň								
2	0.0202	0.0068	0.0014	0.0010	0.1300	0.0437								-
3														
4														
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Avg.	0.0202	0.0068	0.0014	0.0010	0.1300	0.0437								
Max	0.0202	0.0068	0.0014	0.0010	0.1300	0.0437								
Min.	0.0202	0.0068	0.0014	0.0010	0.1300	0.0437			[[1		10007
Data	1	1	1	1	1	1	0	0	0	0	0	0	0	Ì



City:	Elkhart									Page 1	of	9		Participante de la composicione de la compo	erm	it Number:	INC	025574	
acility	Elkhart P	ublic Wor	ks & Utilitie:	5							F	ublic No	lific	ation Requ	iren	ents Met?	Y		
Aonitor	ing Period	:	August	2022							E	nter "x" i	i no	CSO disch	arg	e occurred	for (the month	
Design I	Peak Hour	ly Flow (M	/IGD):	44	Design Ave	erage Flow	(MGD):	20	0.9540	Measured/	Met	ered (M) o	or E	stimated (E) m	ust be spec	ified	1	
WWTF	P Influent	Data		Pro	ecipitation D	Data			C	SO Outfall	No.	005			<u> </u>	SO Outfall	No.	006	
Day of Month	Average Daily Flow (MGD)	Peak Houriy Flow (MGD)	Time Precip. Began (am/pm)	Precip. Duration (Hours)	Total Daily Precip. (Inches)	Peak Intensity (Inch/hr)	Measureme nt Interval (hr, 30 m, 15 m)	Time	M or E	Event Duration (Hours)	M or E		M or E	Discharge	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	Nor
1	12.87	15.00					15 min												Τ
2	12.70	14.70					15 min												
3	14.14	21.60	5:16 PM	4.05	0.32	0.72	15 min												
4	13.35	30,40	3:11 AM	19.55	1.50	1.20	15 min							7:52 PM	м	1.33	м	1.2489	м
5	21.75	31.50	7:39 AM	0.08	0.01	0.04	15 min												
6	12.14	14.10					15 min												
7	12.11	14.10	4:21 PM	6.47	0.15	0.56	15 min							1					
8	12.86	17.80	12:56 AM	18.67	0.06	0.16	15 min												
9	11.94	14.10					15 min												
10	12.48	13.50					15 min												
11	11.76	14.40					15 min												
12	12.40	13.70					15 min												
13	11.26	13.00	5:16 PM	1.45	0.07	0.20	15 min												
14	14.45	26.40	1:16 AM	4.82	0,49	0.96	15 min												
15	12.13	14.10					15 min												
16	12.38	13,50					15 min												
17	11.94	14.30					15 min												
18	12.73	15.00					15 min												
19	11.63	13.50					15 min												
20	12.10	13.30	10:31 PM	1.47	0.94	1.76	15 min							11:28 PM	м	0.17	м	0.0111	м
21	13,16	18.40	12:06 AM	10.13	0.09	0.32	15 min												
22	11.70	13.70					15 min												
23	12,46	16.10					15 min												
24	12,00	13.10					15 min												
25	12.04	13,40					15 min												
26	11.77	13.10					15 min												
27	11.16	13.10					15 min												
28	11.45	13.10	11:57 PM	0.08	0.01	0.04	15 min												
29	20.67	51.00	12:02 AM	24.00	0.90	1.40	15 min												
30	12,19	14.10	12:07 AM	2.78	0.11	0.08	15 min												
31	12.93	17.80					15 min	_											
otals:	400,65			93.55	4.65			0	Da ys	0.00		0		2	Da ys	1.50		1.26	ENG CONTRACTOR
yped o	r Printed I	Vame and	Title of Prin						546		(ASA)	le a a a a a a a a a a a a a a a a a a a	500	Telephone		4 000			
NITH A	SYSTEM I	DESIGNEI	Laura Y of Law T D TO ASSUR	HAT THIS	UALIFIED P	AND ALL	ATTACHME L PROPERL	NTS WERE	PR AN	D EVALUA1	ſΕΊ	HE INFO	RM.	TION OR S	UPE MIT	TED, BASE	N AC	CORDAN	
UBMIT	TING FAL	SE INFOR Ipal Exec	ST OF MY K MATION, IN utive Officer	CLUDING	THE POSSIE												PEN	IALTIES F	OR
10	ur	a	<u>(D)</u>		<i>#</i> 14	AMERLK										09/27/2	2		



Section 20	Elkhart		LIVINO		NTAL MAN								Page) of	9		Revealed our state	Dorr	nit Number:	IM	0025574			
30263445	Elkhart Pu	ubli	e Works	8.1	Hillition								1 age	-isi-i	en e	41m		<u>de and</u>	nents Met?	3				
	ing Period:	11470	Aug													<u>é és</u>) discharge	1944				sjener oper G
		M VIS					Deelers El				20	0.0946				0.5.							ie monui	•)
Design	Peak Flow				44		Design Fl		den en en		3		Tweasured/						ust be spec					
			<u>O Outfall</u>	NO,	007				O Outfall	NO.	800				O Outfall	<u>NO.</u> 	009				SO Outfal	I NO.	011	riges Di signi
Day of Month	Time Discharge Began		Event Duration (Hours)			M or E			Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Discharge		Event Duration (Hours)			M or E	Discharge	M or E			Event Discharge (MG)	M
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2														ļ				<u> </u>						
3										L														
4	8:07 PM	м	1.98	М	0.3341	м	8:25 PM	м	0,92	м	0.1561	м	8:15 PM	м	2.08	м	0.0869	м	8:22 PM	м	1.00	м	0.0988	М
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13													-			ļ		ļ				ļ		
14	5:21 AM	м	0.93	м	0.1595	м							5:31 AM	м	0.75	м	0.0325	м						
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20	11:16 PM	м	0.75	М	0.1303	м							11:26 PM	м	0.58	м	0,0253	м	11:08 PM	м	0.42	м	0.0241	м
21	12:01 AM	м	1.00	М	0.1623	м							12:01 AM	м	0.75	м	0.0302	м						
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25																								
26						Ц												l						
27						Ц											ļ							
28																								1
29	12:50 AM	м	0.83	м	0.1025	м									[
30																								
31																								
Totals:	5	Da ys	5.49		0.8887			Da ys	0.92		0.1561		4	Da ys	4.16		0.1749		2	Da ys	1.42		0.1229	



	Elkhart						611611						Page	3 of	9		Р	ern	nit Number:	IN	0025574			
Constants	Elkhart Pu	ubli	c Works	& L	Jtilities									Ρι	ublic Notif	fica	tion Regul	ren	nents Met?	Y				
	ing Period:		Aug	1												88. S	N DE CENTRE) discharg		curred f	or th	e month	5
	Peak Flow (44		Design Fl	ow	(MGD):		20		Measured/	Met				1.10	must be spi	S				
		csc	O Outfall	No.	012			CS	O Outfall	No.	013			CS	D Outfall I	No.	14B			С	SO Outfal	<u>l No.</u>	015	
Day of	Time Discharge	M or	Event Duration	M or	Event Discharge	M or	Discharge	M or	Event Duration	M	Event Discharge	M or	Discharge	M or	Duration	M or	Event Discharge	M	Discharge	M or	Event Duration	M	Event Discharge	
Month 1	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	or E	(MG)	E
2														-				┝						
3														-		-				-				
4	0.00 DM		0.07		0.0000													┝	0.57.51				0.0070	+
5	9:02 PM	IVI	0.25	м	0.0033	IVI				-								┢	8:57 PM	M	0.50	M	0.0079	М
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14	5:17 AM	м	0.33	м	0.0083	м	5:17 AM	NA	0.33	м	0.0092	M							5:22 AM	M	0.50	м	0.0305	M
15	0.17 /14	141	0,00		0,0000		<u>3.17 AW</u>		0,00	101	0.0032	101							0.22 AN	IVI	0.00		0.0303	
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29	4:17 PM	м	1.17	м	0.0232	м													4:27 PM	м	0.42	м	0.0140	м
30						Π														<u> </u>				<u> </u>
31						П										-								\mathbf{T}
Totals:	3	Da ys	1,75		0,0348		1	Da ys	0.33		0.0092		0	Da ys	0.00		0,0000		3	Da ys	1.42		0.0524	



City:	Elkhart				NTAL MAN								Page 4	1 of	9			Pern	nit Number:	IN	0025574			
Sector:	Elkhart P	ubli	c Works	& L	Itilities											ifica		99463 19	nents Met?	ţ				
N. CALING	ing Period:		Aug																discharge		curred fo	or th	e month:	l
	Peak Flow				44		Design Fi	ow	(MGD):		20		Measured/	Met	s selective database	(inserts			nust be spec	Sad 1				
		cs	O Outfall	No.	016	10000		CS	O Outfall	No.	017			CS	O Outfall	No.	018			C	SO Outfall	I No.	019	
	Time	M	Event	M	Event	M		M	Event	м	Event	M		M	Event	M	Event	M		M	Event		Event	
Day of Month	Discharge Began	or E	(Hours)	or E	(MG)	or E	Discharge Began	E E	(Hours)	or E	(MG)	or E	Discharge Began	or E	Duration (Hours)	or E	Discharge (MG)	or E	Discharge Began	or E	Duration (Hours)	M or E	Discharge (MG)	or E
1																			L					
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4	8:18 PM	М	0.67	м	0.0910	м	8:32 PM	м	0.75	м	0.0602	м	8:19 AM	м	4.33	м	0,3878	м						
5				ļ									12:04 AM	м	0.67	м	0.0120	м						
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31		1 24030		(Second	Collingua Second	Ц	In order to be second by	110,04		Sectors	-	100000		CHARGE STREET	almethyleyda fer fel	10000		111725						
Totals:	1	Da ys	0.67		0.0910		1912 - 1919	Da ys	0.75		0.0602		6	Da ys	9.24		0.6112		o	Da ys	0.00		0,0000	



City:	Elkhart										······		Page (5 of	9			Pern	nit Number:	IN	0025574			
Facility	Elkhart Pi	ubli	c Works	& ل	Itilities									P	Public Not	ifica			nents Met?	3				
Monitor	ing Period:		Aug	ust	2022														discharge	Hugh	curred f	or th	e month	
Design I	Peak Flow	(Ηοι	urly) (MGi	D):	44		Design Fl	ow	(MGD):		20		Measured/	Met	ered (M) d	or E	stimated (Е) п	nust be spe	clfie	ed			
		CS	O Outfall	No.	020			cs	O Outfall	No.	023				O Outfall		100				SO Outfal	l No.	025	
Day of	Time Discharge	M or	Event Duration	M or	Event Discharge	M	Time Discharge Began	M or	Event Duration		Event Discharge			M	Event Duration	M or	Event Discharge		Discharge	Mor	Event Duration	M		
Month 1	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	or E	(MG)	or E
2																				┢				+
3							5:39 PM	м	0.17	м	0,0028	м							5:38 PM	м	0.17	м	0.0034	м
4	7:55 PM	м	1.50	м	0.0917	м	7:49 PM			м	0.1704	м	8:38 PM	м	2.42	м	0.4043	м	7:48 PM	T.		м	0.3921	м
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14	5:10 AM	м	0.50	м	0.0320	м	5:09 AM	М	0.50	м	0.0300	м							5:08 AM	м	0.50	М	0.0949	м
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20	11:25 PM	м	0.33	м	0.0153	м	11:09 PM	м	0.58	м	0.0256	м	11:28 PM	м	0.50	м	0.0264	м	11:13 PM	м	0.50	м	0.0307	T _M
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20						$\left \right $								 				-		┢		┼──		+
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29	12:35 AM	м	0.75	м	0.0498	м	12:34 AM	м	1.00	м	0.0547	м							12:33 AM	м	0.92	м	0.1508	м
30												İ												Ē
31																								
Totals:	4	Da ys	3.08		0.1888		5	Da ys	4.08		0.2835		3	Da ys	3,50		0.4570		5	Da ys	3.84		0.6719	

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City:															•						005574			
	Elkhart												Page						nit Number:	1	J025574			8.80.8
State Main	Elkhart P			2012			alaine an an					10.6		<u> </u>					nents Met?	1.1653				1913) 1
	ring Period	49 88	Aug		2022					ann Nam		6988	CARLES STR			908ki	5086287Q-D)	00146	discharge	1120	WERE CONTROL	or th	e month:	3 1885,95
<u>Design</u>	Peak Flow				44	200	Design Fl				20	6.06	Measured/				}	<u>Е) п</u>	ust be spec					AN SA
		CS	<u>O Outfall</u>	No.	026			CS	O Outfall	No.	027			CS	O Outfall	No.	028			<u></u>	60 Outfall	No.	029	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Discharge	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Discharge	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E
1																								
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3																								
4	8:19 PM	м	0.42	м	0.0240	м	8:21 PM	м	1.00	м	0.0469	м							8:29 PM	м	0.67	м	0.0222	м
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Totals:		Da ys	0.42		0.0240		1	Da ys	1,00		0.0469		0	Da ys	0.00		0.0000		1	Da ys	0.67		0.0222	

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	Elkhart			ANNIE	NTAL MAR	VAG							Page	1	•			Doro	nit Number;	INI	0025574			
Lange and the		ubli	o Worko	01	Hillition		-12						Faye							l.	0020074			
	Elkhart P													F		S-1725			nents Met? discharge	1927-1			o month.	galada Ma
Nonesse.			Aug		44		Design Fl				20	009999				500 C	or of the second se	1990		apat d	in the second	JT UI	e monai:	a Salaa
Design	Peak Flow						Design ri			Nia	1						1	<u>=) II</u>	ust be spec				004	
	in an		<u>O Outfall</u>	NO.	031		19 Mar 4		O Outfall	<u>NO,</u>	032			<u>us</u> [O Outfall	NO.	033				<u>SO Outfal</u>	<u> NO,</u>	034	LC SS
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	MorE	Discharge	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began		Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)		Event Discharge (MG)	M
1																								
2																								
3																								
4	8:51 PM	м	1.50	м	0.3030	м	8:24 PM	м	2.00	м	0,0945	м	8:10 PM	м	1.33	м	0.5568	м	8:24 PM	м	0.50	м	0.0182	м
5																								
6																								
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29							4:15 PM	м	0.50	м	0.0372	м												
30																								
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Totals:	1	Da ys	1.50		0.3030		3	Da ys	2.83		0,1334		2	Da ys	1.91		0.6618		1	Da ys	0.50		0.0182	

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		NIC		INIME	NTAL MAN	AG								1969				500)V						
VSS 10 BES	Elkhart												Page ($(\dot{c}\dot{c}\dot{c}\dot{c}\dot{c}\dot{c}\dot{c}\dot{c}\dot{c}\dot{c}$		100440			nit Number:	5	0025574	s gjolen		
Facility	Elkhart P	ubil	c Works	& L	Itilities			253		19364		4,000		P	ublic Not	lfica	ition Requ	liren	nents Met?	Y				1913/5 4
Monitor	ing Period:		Aug	just	2022										Ent	er ''	<u>x" if no C</u>	so	discharge	00	curred fo	or th	e month:	á S
Désign	Peak Flow	(Hoi	urly) (MG	D):	44	161853	Design Fi	ow	(MGD):		20	erstik	Measured/	Met	ered (M)	or E	stimated (<u>Е) п</u>	ust be spe	clfie	ed			
		CS	O Outfall	No.	037			cs	O Outfall	No.	039		50.000	cs	O Outfall	No.	040		çadan. Aş	<u>_ C</u> (SO Outfall	<u>No.</u>	- A caracterization of the	
Day of Month	Time Discharge Began		Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Discharge	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E		M or E	Duration		Event Discharge (MG)	M or E	Time Discharge Began	M or E			Event Discharge (MG)	M or l
1																								
2																								
3							5:34 PM	м	0.17	м	0.0072	м												
4	8:32 PM	м	2.83	м	2.7984	м			1.67	м	0.0690		8:31 AM	м	4.33	м	0.2027	м						
5													12:01 AM		0.58	м	0.0078	1						
6																								
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14	5:27 AM	м	1.08	м	0,2606	м	5:04 AM	м	0.50	м	0.0182	м												Γ
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17				<u> </u>																				
18																								T
19																		1						
20	11:17 PM	м	0.75	м	0.7132	м	11:04 PM	м	0.50	м	0.0187	м												
21	12:02 AM			м	0.4773			T.					1:24 AM	м	0.58	м	0.0329	м		1				\square
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31		\square		-				-										1			1			\top
Totals:	5	Da ys	7.41		4.5457		5	Da ys	3.51		0.1411		4	Da ys	5.57	İ	0.2452		0	Da	0.00		0.0000	



City:	Elkhart		Page: 9 of 9	Permit Number: IN0025574
Facility:	Elkhart Public Works & Utilities		Public Notifi	ication Requirements Met? Y
Monitor	ing Period: August 2022		Enter "x" if n	o CSO discharge occurred for the month:
Design	Peak Hourly Flow (MGD): 44	Design Average Flow (MGD): 20		
Day of				
Month 1	Comments (further explanation as	to why each CSO event occurred)		
2				
3	rain			
4	rain			
5	rain previous day			
6				
7				
8				
9				
10				
11				
12 13				
14	rain			
15				
16				
17				
18				
19				
20	rain			
21	rain			
22				
23				
24				
25				
26 27				
28				
29	rain			······································
30				
31				
Typed o	r Printed Name and Title of Principal Exe	cutive Officer or Authorized Agent		Telephone
		lo, Utilities Services Manager		574-293-2572
WITH A INQUIR SUBMIT SUBMIT	SYSTEM DESIGNED TO ASSURE THAT ((OF THE PERSONS WHO MANAGE THE TED IS, TO THE BEST OF MY KNOWLED TING FALSE INFORMATION, INCLUDING	DOCUMENT AND ALL ATTACHMENTS WERE PR QUALIFIED PERSONNEL PROPERLY GATHER AN SYSTEM OR THOSE PERSONS DIRECTLY RESP GE AND BELIEF, TRUE, ACCURATE, AND COMPL THE POSSIBILITY OF FINE AND IMPRISONMENT	D EVALUATE THE INFORM DNSIBLE FOR GATHERING ETE. I AM AWARE THAT	MATION SUBMITTED. BASED ON MY 3 THE INFORMATION; THE INFORMATION 7 THERE ARE SIGNIFICANT PENALTIES FOR
Signatu	re of Principal Executive Officer or Autho	rized Agent		Date (mm/dd/yy)
	lama 1	Nu		09/27/22



Individual Making Report (printed)

Laura Kolo

BYPASS / OVERFLOW INCIDENT REPORT

State Form 48373 (R7 / 4-16) Indiana Department of Environmental Management Office of Water Quality

INSTRUCTIONS: Complete all parts of this form and email signed copies to <u>wwreports@idem.IN.gov</u>. Submittal of this report will satisfy the Office of Water Quality (OWQ) telephone and written bypass/overflow reporting requirements of your NPDES permit. Please use and the second page of this form as necessary to identify separate locations caused by the same event. If you have any questions while filling out the report form, please contact Renee Repar at (317) 232-6770 or <u>rrepar@idem.in.gov</u>.

To report a spill or if the release is resulting in a fish kill or other severe environmental damage, immediately report the release to the Emergency Response Section spill response line at: (317) 233-7745 or toll free within Indiana at (888) 233-7745.

		12.1			L INFORMATI					
(1) Facility Na	me (Organization)		(2) Mailing A	ddress (re	porting organi	zation)	(3) C	ounty		(4) NPDES Permit
Elkhart Pu	ublic Works		1201 S. I	Nappan	ee Street		Elk	hart		IN00025674
			RELE	ASE INFO	RMATION (L	ocation 1)				
(5) Outfall Number	(6) Date <i>(mm/dd/yy)</i> Release Began	and Time	(7) Date <i>(mm/dd/yy)</i> Release Stopped		(8) Location of	Release (streets addre Station, Force Main etc.)		(9) Lati (Deg M	itude 1in Sec)	(9) Longitude (Deg Min Sec)
n/a	8/24/22 3:30	□ AM ☑ PM	8/24/22 appx 5:30	AM M PM	MH 00006352 (ir	nt of Monroe and Williams)		41 4	40 39 N	85 57 45 W
(10) Amount d	of Flow Released	(Alv	vays provide a volu	ime.)		(11) WWTP Flow Duri	ng Relea	· `		eak Design Flow Rate
Check one: 🛽		Actual	unknown	Gallons		13.1 MGD		4	4 MGI	D
Sanitary Se	ype (Select one.) ewer Overflow Bypass <i>(at wastev</i> Combined Sewer C er Combined Sewe Sewer System Rel	Overflow r Overflow) nor		any damage t	o aquatic life or rece	ving str	eam:		
	or Bypass / Overflo	•		. –	—			··· ·		19.50 B. 1
grease (19) Additiona	Component(s) r more.) eral e ion Failure Bypassed ructure /alve	Moi was	Additional Descrip recleved at 3:30 p nroe and Williams. s cleared. Flow ret	otion of the m of back- Obstruction urned to n Select one	Bypass / Ove up in stret at in on of gease in ormal at appx	rflow Event: ntersectnio of main on Williams 5:30 pm.	(18) D (Chec Bas Coc 1 1 1 1 1 1 1 1 1 1	escriptic ck all that ected Prosent curred a ached F ached F of Rece	on of the Ar at apply.) rivate Prope Backup at Treatmen Public Land Receiving W eiving Water	ea Impacted erty t Plant /ater r Impacted:
	igency response		прерг. Г				ncy wai	layeine		n/a
(00) A .:. =					N					11/d
	more of the followi		dd a written descrip	otion.)		reatment of Affected		-Up Det	bris	
(21) Resolutio	n: Actions Taken o cational material to	r Planned (residents	to Prevent Recurre	nce proper gre	ase disposal n	ractices				
			n basir regarang	proper gre						
(22)						·····				
			CER	RTIFICATI	ON AND SIGN	IATURE				
I certify under	penalty of law that	this docum				ler my direction or su	pervisio	on in ac	cordance w	ith a system

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laura.kolo@coei.org

Contact Email

Telephone Number

(574) 293-2572

Date (month, day, year) / Time IDEM Notified 8/25/22 appx 12:55

🗆 AM

🗹 PM

Kolo, Laura

From:	postmaster@state.in.us
Sent:	Thursday, August 25, 2022 12:59 PM
То:	Kolo, Laura
Subject:	EXTERNAL: Relayed: IN0025674_INC_RPT_2022_08_01
Attachments:	EXTERNAL: Relayed: IN0025674_INC_RPT_2022_08_01

Caution: This email originated from outside of the organization. Please take care when clicking links or opening attachments. When in doubt, contact your IT Department

Biomonitor

Permittee/Location Elkhart WWTP Elkhart, IN			Permit N IN002567			Outfall 035	Number:
Laboratory Name and Conta Biomonitor Melody Myers-Kinzie	ct:		Report <u>D</u>	Due Date:		Report Augu	Date: st 2022
WETT Reporting Frequency or Type: (mark one)	Monthly	Quarterly	Semi- annual X	Annual	TRE	Post TRE	<u>First</u> (per Reporting Frequency)

Test Organism	Test	Endpoint [1]	Units	Result	Compliance Value in TUs	Pass/Fail	Reporting	
Ceriodaphnia	7-day Survival	NOFC Country	%	100				
dubia	and Reproduction	NOEC Survival	TUc	1				
	Definitive	NOEC Denne duetion	%	100				
	Static-Renewal	NOEC Reproduction	TUc	1				
		ICOL Designation where	%	100	NA		Laboratory Report	
		IC25 Reproduction	TUε	1				
		48 hr. LC50	%	>100				
		48 nr. LC50	TU₃	<1				
		Toxicity (acute)		<1	1.0	Pass	Laboratory Report <u>and</u> NetDMR (Parameter Code 61425)	
		Toxicity (chronic)	TUε	1:0	8.0	Pass	Laboratory Report <u>and</u> NetDMR (Parameter Code 61426)	

Pimephales	7-day Larval	NOTO Sumitival	%	100			
promelas	Survival and Growth	NOEC Survival	TUc	1			
	Definitive	NOEC Growth	%	100			
	Static-Renewal	NOEC Growin	TUc	1	NA		Laboratory Dopart
		IC2E Crowth	%	100			Laboratory Report
		IC25 Growth	TUc	1			
		96 hr. LC50	%	>100			
			TUa	<1			
		Toxicity (acute)	TU∎	<1	1.0	Pass	Laboratory Report <u>and</u> NetDMR (Parameter Code 61427)
		Toxicity (chronic)	ΤUc	1.0	8.0	Pass	Laboratory Report <u>and</u> NetDMR (Parameter Code 61428)

Ċ	: august 2022		
	YEAR:	YEAR: No Distribution	
Ч		plicable) ve 4 ve 5 ve 6 Alkali 75% Solids 90% Solids able 9	
RT FORM	es	es Alternative 4 Alternative 5 Alternative 5 Alternative 6 ts when applicable) ts when applicable) ts when applicable) by 0 Option 7 75% Solids Option 8 90% Solids S 0 8 9	27-L1·b
DISTRIBUT NANNUAL REPORT FORM submit this form to IDEM by January 31 of each year)	Elkhart Public Works & Utilities	(A)MR: Elkhart Public Works & Utilities Class A Pathogen Reduction Method (attach sample results when applicable) Class A Pathogen Reduction Method (attach sample results when applicable) Class A Pathogen Reduction Method (attach sample results when applicable) 327 IAC 6.1-4-13 Alternative 4 X Alternative 1 Alternative 5 Alternative 5 X Alternative 2 Alternative 5 Alternative 2 Alternative 6 Alternative 6 X Option 1 38%VSR Option 5 Aerobic Check appropriate box, give explanation if more than one is applicable Option 5 Aerobic 327 IAC 6.1-15 Option 1 38%VSR Option 5 Aerobic 33 d 4 5 6 7 8 9% Soli 33 d 4 5 6 7 8 9% Soli	
N ANNU, Manuary	art Public W	NAME: Elkhart Public Works & I Class A Pathogen Reduction Method (attach sample r 327 IAC 6.1-4-13 X Alternative 1 327 IAC 6.1-4-13 Alternative 2 Alternative 2 Alternative 3 Solution Reduction Method (attach sample r 5 Cleck appropriate box, give explanation if more than one is applicable 327 IAC 6.1-15 Alternative 2 Alternative 2 Alternative 3 Option 1 38%/VSR Vector Attraction Reduction Method (attach sample r 327 IAC 6.1-15 Toto one is applicable 33 d 4 5 5 6	Date:
TRUBUT nis form to IDE	Elkha	Elkhart P cduction Method e explanation if more th .1-4-13 ve 1 ve 2 ve 3 e explanation if more th .1-15	R I
NUD DIST e and submit th		athogen Reductio atite box, give explana 327 IAC 6.1-4-13 Alternative 1 Alternative 2 Alternative 1 Alternative 2 Alternative 3 Option 1 38%/1 Option 2 Anaero Option 3 Aerobi Bitts B	dry weights
MARKETING AND DISTRIBUT (Complete and submit this form to	NAME:	00680 FACILITY NAME: Lab. No. (Lab No. Corresponds Class A Patho corresponds Class A Patho to lab data 327 entered X below) Al below) Al below) Al Buter heavy metals results as dry weights 0p 1 2 3	Enter all nutrient results as percent dry weights
MAR	FACILITY NAME:	FACIL/ITY (Lab No. corresponds to lab data entered below), below). 2	Enter all nutrient results as perc
	00680	1.ab. No. Lab. No. Enter heavy	Enter all 1 Bater PCE
	<u>INLA 000680</u>		
	PERMIT NO.:	FERMIT NO.: January February March May May June	Nickel (Ni) Selenium (Se) Zinc (Zn) Total N (TN) Ammonium N (NH4-N) Nitrate N (NO3-N) Phosphorus (P) Potassium (K) PCB Signature:

Biomonitor

Permittee/Location Elkhart WWTP Elkhart, IN			Permit Number: 0			Outfall Number: 035		
Laboratory Name and Contact: Biomonitor Melody Myers-Kinzie			Report <u>Due</u> Date:			Report Date: August 2022		
WETT Reporting Frequency or Type: (mark one)	Monthly	Quarterly	Semi- annual X	Annual	TRE	Post TRE	<u>First</u> (per Reporting Frequency)	

	Test Organism	Test	Endpoint [1]	Units	Result	Compliance Value in TUs	Pass/Fail	Reporting	
	Ceriodaphnia	7-day Survival		%	100				
	dubia	and Reproduction	NOEC Survival	TUc	1				
		Definitive	NOEC Deproduction	%	100]			
		Static-Renewal	NOEC Reproduction	TU _c	1	NA		Laboratory Report	
			ICOE Danna dustian	%	100				
			IC25 Reproduction	ΤUc	1				
			48 hr. LC50	%	>100	-			
2				TUa	<1				
					Toxicity (acute)	TUa	<1	1.0	Pass
			Toxicity (chronic)	TUc	1.0	8.0	Pass	Laboratory Report <u>and</u> NetDMR (Parameter Code 61426)	

Pimephales	7-day Larval	NOTOCILL	%	100			
promelas	Survival and Growth	NOEC Survival	τU _c	1			
	Definitive	NOTOCHANNE	%	100			
	Static-Renewal	NOEC Growth	TU _c	1			Laboratan Danar
			%	100	NA		Laboratory Report
		IC25 Growth	τυ _c	1			
		96 hr. LC50	%	>100			
			ΤUa	<1			
		Toxicity (acute)	TU₂	<1	1.0	Pass	Laboratory Report <u>and</u> NetDMR (Parameter Co 61427)
		Toxicity (chronic)	TUς	1.0	8.0	Pass	Laboratory Report <u>and</u> NetDMR (Parameter Co 61428)

Biomonitor 8802 West Washington Street Indianapolis, IN 46231 (317) 297-7713

Whole Effluent Toxicity Test

ELKHART WASTEWATER TREATMENT PLANT

IN0025674

Elkhart, Indiana

August 2022

GLP (Good Laboratory Practices) COMPLIANCE STATEMENT

Project Name: Elkhart Wastewater Treatment Plant

Project Date: August 2022

This project has been conducted under GLP standards, as stated in 40 CFR Part 160, with the following exceptions:

Greg R. Bright

Quality Assurance Officer Date: 9/8/22

Mulany Mapan King-e

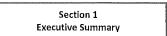
Project Director Date: 9/8/22

Other Participating Personnel:

Michael Britton Mukang'andu Ng'andwe Arizona Fox

Copies of the raw data and final report are maintained in the archives of Biomonitor for five years from the date of completion.

2



Biomonitor conducted whole effluent toxicity testing for the Elkhart, IN Water Wastewater Treatment Plant during August 2022. The purpose of the testing was to fulfill the biomonitoring requirement for the NPDES permit.

Three samples were collected August 21-25, 2022. The water flea, *Ceriodaphnia dubia*, and Fathead minnow, *Pimephales promelas*, were used as the test organisms.

A total of six toxicity endpoints were measured. The following results were obtained:

Ceriodaphnia dubia test

48-hr LC ₅₀	>	100% effluent	TU _a <	1.0
NOEL for survival	=	100% effluent	TU _c =	1.0
NOEL for reproduction	=	100% effluent	TU _c =	1.0

Pimephales promelas test

48-hr LC ₅₀	>	100% effluent	TUa	<	1.0
NOEL for survival	=	100% effluent	TUc	=	1.0
NOEL for growth	=	100% effluent	TUc	=	1.0

The acute toxicity limits in the NPDES permit require the 48 and/or 96-hr LC_{50} to be greater than 100% effluent (a TU_a not to exceed 1.0). The effluent samples passed the acute toxicity limits during this testing period for both species.

The chronic toxicity limits in the NPDES permit require a NOEL (No Observable Effect Level) of 12.5% effluent (a TU_c not to exceed 8.0). According to the NPDES permit, there was not a "Demonstration of Toxicity" during this sampling period.

	Section 2 Introductory Information Table I General
Permit number:	IN0025674
Toxicity testing requirements:	Fathead minnow larval survival and growth test
	Ceriodaphnia survival and reproduction test
Plant location:	Elkhart Wastewater Treatment Plant 1201 Nappanee St. Elkhart, Indiana 46516
Name of receiving water body:	St. Joseph River
Name of WET testing laboratory:	Biomonitor 8802 West Washington St. Indianapolis, IN 46231 (317) 297-7713

<u>Table II</u> Plant Operations

Type of discharger:	Publicly owned treatment works Wastewater consists of treated sanitary and industrial wastes				
Type of waste treatment:	Class IV. Activated sludge				
Design flow:	20 – MGD				
Volume of wastewater flow during the sampling period:		August 21, 2022 August 23, 2022 August 25, 2022	-MGD -MGD -MGD		

Table IIISource of effluent and dilution water

I. Effluent samples

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Sampling point:	Outfall 035	
Collection dates and times:	August 21, 2022 August 23, 2022 August 25, 2022	11:00 p.m. 11:00 p.m. 11:00 p.m.
Sample collection:	24-hour composite sam	ples
Physical and chemical data:	See Tables 9 and 15	
II. Dilution water samples		
Source:	Moderately Hard Synthetic Water (MHSW) Collection date and time: N/A	
Pretreatment:	None	
Physical and chemical data:	See Tables 9 and 15	

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KHART WASTEWATER TREATMENT PLAN

Section 3 Test Methods and Results

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CERIODAPHNIA SURVIVAL AND REPRODUCTION TEST

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Table IVMETHODOLOGYCeriodaphnia Survival and Reproduction Test

Toxicity test method used:	<i>Ceriodaphnia</i> survival	and reproduction test
Endpoints of test:	Survival and reproduc (LC50, NOEL, and LOEL	
Reference method:	EPA-821-R-02-013	
Deviations from method:	No deviations	
Date and time test initiated:	August 23, 2022	9:15 a.m.
Date and time test terminated	August 30, 2022	10:00 a.m.
Type of test chambers:	Polyethylene	30 ml
Volume of solution used per chamber:	15 ml	
Number of organisms per chamber:	1	
Number of replicate chambers per treatment:	10	
Test temperature range:	25°C (no deviations)	

8

Table VORGANISMS USEDCeriodaphnia Survival and Reproduction Test

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Scientific name:	Ceriodaphnia dubia
<u>Age</u> :	<24 hours
Life stage:	neonates
Mean length and weight:	Not applicable
<u>Source</u>	Laboratory culture in moderately hard reconstituted water
Diseases and treatment	Not applicable

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Table VI RESULTS *Ceriodaphnia* Survival and Reproduction Test

Raw Data:	See Table 8
LC ₅₀ or NOEL obtained:	48-hr LC ₅₀ = greater than 100% effluent
	NOEL for survival = 100% effluent
	NOEL for reproduction = 100% effluent
	Control survival was 90% after seven days. Control reproduction averaged greater than 15 per surviving female.
Methods used to calculate endpoints:	Fisher's Exact Test for the survival endpoint.
	Dunnett's Test for the reproductive endpoint.
	No calculations necessary for the acute endpoint.

Table VIIQUALITY ASSURANCECeriodaphnia Survival and Reproduction Test

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Reference Toxicant used and source:	Copper chloride, reagent grade, from Carolina Biological
Date and time of most recent test:	August 23-31, 2022
Dilution water used in test:	Moderately hard synthetic water
Results:	48-hr LC ₅₀ = 86 μg/L as Cu
	NOEL (reproduction) = 20 μ g/L as Cu
	LOEL (reproduction) = 40 μ g/L as Cu
Comparison to recommended range:	Within the laboratory control range for both acute and chronic endpoints (see attachment)

AUGUST 2022

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Table VIIITEST DATACeriodaphnia Survival and Reproduction Test

Effluent Day Concentration No.	Day		ſ	Numl	Young Per	Total Live						
	NO.	Α	В	С	D	E	F	G	Н	I	J	Female

	1	0	0	0	0	0	0	0	0	0	0		10
	2	0	0	0	0	0	0	0	0	0	-		9
	3	0	0	2	3	2	2	5	0	4	-		9
Control	4	3	2	5	0	5	4	0	4	7	-	14.3	9
	5	5	6	7	6	6	6	0	4	0	-		9
	6	0	0	0	8	0	0	7	7	7	-		9
	7	9	9	0	0	0	0	8	0	0	-		9

	1	0	0	0	0	0	0	0	0	0	0		10
	2	0	0	0	0	0	0	0	0	0	0		10
	3	2	0	2	0	2	2	4	4	2	4		10
6.25%	4	3	2	0	4	5	0	0	3	0	0	14.4	10
	5	4	2	0	0	4	5	0	4	0	4		10
	6	0	0	4	8	0	0	4	0	6	0		10
	7	0	8	10	9	0	0	12	8	0	8		10

	1	0	0	0	0	0	0	0	0	0	0		10
	2	0	0	0	0	0	0	0	0	0	0		10
	3	2	0	2	0	0	3	3	0	4	4		10
12.5%	4	2	2	5	0	6	7	0	2	4	0	16.2	10
	5	4	0	9	5	6	3	0	0	0	3		10
	6	0	4	0	8	0	0	4	6	7	0		10
	7	0	11	0	9	12	0	7	10	0	8		10

Table VIII (cont.) TEST DATA *Ceriodaphnia* Survival and Reproduction Test

Effluent Day Concentration No.	Dav	Number of Young Reproduced										Young	Total Live
		Replicate									Per		
	NO.	Α	В	C	D	E	F	G	Н	I	J	Female	Breeders

	1	0	0	0	0	0	0	0	0	0	0		10
	2	0	0	0	0	0	0	0	0	0	0		10
	3	2	0	0	3	0	2	6	2	4	4		10
25%	4	2	2	5	0	0	0	0	8	3	0	16.1	10
	5	5	4	6	5	6	0	0	0	0	0		10
	6	0	0	0	5	0	4	4	0	11	5		10
	7	0	4	15	0	8	7	9	12	0	8		10

	1	0	0	0	0	0	0	0	0	0	0		10
	2	0	0	0	0	0	0	0	0	0	0		10
	3	~	0	2	0	0	3	4	0	4	3		9
50%	4	-	3	4	3	5	7	0	2	6	0	14.4	9
	5	-	4	4	0	0	6	3	2	3	0		9
	6	-	0	0	7	6	0	0	0	0	7		9
	7	-	6	0	9	11	0	7	4	10	9		9

	1	0	0	0	0	0	0	0	0	0	0		10
	2	0	0	0	0	0	0	0	0	0	-		9
	3	1-	0	0	0	3	3	2	4	4	-		8
100%	4	I	5	5	2	7	3	0	0	0	-	12.6	8
	5	-	0	4	0	0	5	0	0	2	-		8
	6	1	0	0	4	0	0	7	6	6	1		8
	7	1	8	10	9	8	0	9	9	0	-		8

Effluent Concentration	D.O. <u>Range</u> mg/L	Temp. <u>Range</u> °C	pH <u>Range</u> S.U.	Alk. <u>Range</u> CaCO₃	Hardness <u>Range</u> CaCO3	Cond. <u>Range</u> μS
CONTROL	8.0 - 8.9	25	7.6 – 8.2	40-	100-110	340-370
6.25%	7.9 – 8.9	25	7.6 - 8.1			370-410
25%	7.7 – 8.8	25	7.6 - 8.1			450-570
100%	7.4 – 9.3	25	7.5 – 8.1	110-130	225-275	790- 1150

Table IXWATER CHEMISTRYCeriodaphnia Survival and Reproduction Test

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FATHEAD MINNOW LARVAL SURVIVAL AND GROWTH TEST

 $\left| \right\rangle$

Toxicity test method used:	7-day fathead minnov test	w larval survival and growth
Endpoints of test:		ervable effect level (NOEL) for TU _c for survival and growth.
Reference method:	EPA-821-R-02-013	
Deviations from method:	No Deviations	
Date and time test initiated:	August 23, 2022	10:15 a.m.
Date and time test terminated	August 30, 2022	10:15 a.m.
Type of test chambers:	Polyethylene	300 ml
Volume of solution used per chamber:	250 ml	
Number of organisms per chamber:	ten	
<u>Number of replicate chambers per</u> treatment:	four	
Test temperature range:	25°C (no deviations)	

Table X METHODOLOGY Fathead Minnow Larval Survival and Growth Test

Table XI ORGANISMS USED Fathead Minnow Survival and Growth Test

Scientific name:	Pimephales promelas
<u>Age</u> :	<24 hours
Life stage:	larvae
Mean length and weight:	Not applicable
<u>Source</u>	Biomonitor lab cultures
Diseases and treatment	Not applicable

<u>Raw Data:</u>	See Table 14
LC ₅₀ or NOEL obtained:	96-hr LC ₅₀ = >100% effluent
	NOEL for survival = 100% effluent
	NOEL for growth = 100% effluent
	Control survival and growth fell within the acceptable range
<u>Methods used to calculate</u> endpoints:	Dunnett's Test for the growth endpoint.
<u>empoints.</u>	Steel's Many-One Rank Test was required for the survival endpoint because the homogeneity of variance assumptions could not be met.
	No calculations needed for the acute endpoint.

Table XII RESULTS Fathead Minnow Larval Survival and Growth Test

Table XIII QUALITY ASSURANCE Fathead Minnow Larval Survival and Growth Test

Reference Toxicant used and source:	Potassium chloride, reagent grade, from Sigma-Aldrich
Date and time of most recent test:	August 23-30, 2022
Dilution water used in test:	Moderately Hard Synthetic Water
<u>Results:</u>	96-hr LC ₅₀ = 1093 mg /L as KCl
	NOEL (growth) = 500 mg/L as KCl
	LOEL (growth) = 1000 mg/L as KCl
Comparison to recommended range:	Within the laboratory control range for both acute and chronic endpoints (see attachment)

AUGUST 2022

Effluent Concentration	<u>% Sı</u>	ırvival in I	Each Repl	cate	<u>Average Dry Weight (µg) in Each</u> <u>Replicate</u>				
concentration	А	В	С	D	А	В	С	D	
Control	90	100	100	100	350	360	330	360	
6.25%	100	80	90	100	320	360	360	380	
12.5%	90	100	100	60	370	340	350	180	
25%	100	100	100	100	290	370	300	280	
50%	90	100	70	90	310	370	290	330	
100%	80	100	100	80	330	340	380	320	

Table XIV TEST DATA Fathead Minnow Larval Survival and Growth Test

Effluent Concentration	D.O. <u>Range</u> mg/L	Temp. <u>Range</u> °C	pH <u>Range</u> S.U.	Alk. <u>Range</u> CaCO₃	Hardness <u>Range</u> CaCO ₃	Cond. <u>Range</u> μS
CONTROL	6.8 – 9.0	25	7.8 – 8.2	40-	100-110	350-390
6.25%	6.8 – 8.9	25	7.8 – 8.1			370-410
25%	6.7 – 9.0	25	7.6 – 8.0			460-590
100%	6.4 – 9.9	25	7.6 – 7.8	110-130	225-275	820-1190

Table XV WATER CHEMISTRY Fathead Minnow Larval Survival and Growth Test

Biomonitor

8802 W. Washington Street Indianapolis, IN 46231 317-297-7713 www.biomonitor.com

SAM	PLE SUMMARY AND (
CLIENT NAME: Elkh	art WWTP	2022-048	5
PURPOSE OF SAMPLE: Who	le Effluent Toxicity Test		
SAMPLE IDENTIFICATION:	Elkhart - 1	Monday	Aug. 2022
DESCRIPTION: Outfall			
DATE SAMPLE COLLECTED:	Start Date <u>8-21-2</u>	2 Start Time\00	AM
	End Date <u>8.21-</u> 2	2 End Time 11:00	PM
NAME OF PERSON COLLECTION	NG SAMPLE: <u>Seco</u>	ndary Ops	
SAMPLE VOLUME:	8 Liters	J I	
JUMBER OF CONTAINERS:	Two, HDPE		
SAMPLE STORAGE:	Refrigerated/iced		
PRESERVATIVES:	none		
Relinquished by: pay			
Date: 8 22 22		Гіте:	
Received by:	ŦĹ		· · · · · · · · · · · · · · · · · · ·
Date:82	2/22 .	Fime: 1.20	
Relinquished by:	•		
Date:		Րime:	
Received by:			
Date:		ſime:	
ample Temperature When Receiv	ed O.S. °C		
COMMENTS:			

Biomonitor

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SAMPLE SUMMARY AND CHAIN OF CUSTODY

CLIENT NAME:	Elkhart WWTP			
PURPOSE OF SAMPLE:	Whole Effluent Tox	icity Test		
SAMPLE IDENTIFICATION	I: Elkhart - 2	We	dnesday	Aug. 2022
DESCRIPTION: Outfall				
DATE SAMPLE COLLECTE	ED: Start Date _	3-23-22	_ Start Time	1:00 AM
	End Date	3-23-22	End Time _	11:00 PM
NAME OF PERSON COLLE	CTING SAMPLE:	Secondary	Ops	-
SAMPLE VOLUME:	8 Liters	0	ř	
UMBER OF CONTAINER	S: Two, HDPE			
SAMPLE STORAGE:	Refrigerated	/iced		
PRESERVATIVES:	none			
Relinquished by: Jyler 77	llast			
Date: 8-24-2022		Time: 12.	:Slpm	
Received by:				
Date:8	24/22	Time:_[2	: 51 p-	
Relinquished by:	•			
Date:		Time:		
Received by:				
Date:		Time:		
ample Temperature When Re	eceived <u>8,4</u> °	C		

COMMENTS:

Biomonitor

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CLIENT NAME:	Elkhart WWTP		
PURPOSE OF SAMPLE:	Whole Effluent Toxicity T	lest	
SAMPLE IDENTIFICATION	I: Elkhart - 3	Friday	Aug. 2022
DESCRIPTION: Outfall			
DATE SAMPLE COLLECTE	ED: Start Date <u>8.25.</u>	2022 Start Time	1:00 am
	End Date <u>8.25.</u>	2022 End Time _	11:00pm
NAME OF PERSON COLLE			
SAMPLE VOLUME:	8 Liters	V	
JUMBER OF CONTAINER	S: Two, HDPE		
SAMPLE STORAGE:	Refrigerated/iced		
PRESERVATIVES:	none		
Relinquished by: Tyle 7-11.	l		10
Date: 8.26-2022	<i></i>	Time: 12:44pm	
Received by:			
Date:	26 22	Time: 12:44 p-	
Relinquished by:	•	1	
Date:		Time:	
Received by:			
Date:		Time:	
ample Temperature When Re	ecceived 9.4° °C		

COMMENTS:

Ceriodaphnia dubia

Reference Toxicant - Copper sulfate/chloride as Cu

Dilution Water - Moderately Hard Reconstituted Water

Date	LC ₅₀	NOEL	LOEL	IC ₂₅
nm/yy	48-hr μg/L	µg/L (repro.)	μg/L (repro.)	μg/L (repro.)
08/20	65	40	80	34
09/20	65	40	80	52
11/20	75	40	80	39
01/21	104	40	80	24
02/21	65	40	80	46
03/21	86	40	80	51
04/21	65	10	20	15
06/21	106	40	80	44
07/21	98	40	80	50
08/21	87	40	80	23
09/21	92	40	80	49
10/21	73	40	80	52
11/21	113	80	160	59
12/21	75	40	80	48
2/22	105	40	80	54
3/22	75	40	80	51
4/22	113	40	80	57
5/22	95	40	80	30
6/22	113	40	80	41
7/22	75	40	80	33
8/22	86	20	40	30
verage	87	Mode 40	80	43
t, Dev.	16			13
Ipper Limit	119	80	160	68
ower Limit	55	20	40	18

Pimephales promelas

Reference Toxicant - Potassium chloride

Dilution Water - Moderately Hard Reconstituted Water

Date	LC ₅₀	NOEL	LOEL	IC ₂₅
nm/yy	96-hr mg/L	mg/L (grwth)	mg/L (grwth)	mg/L (grwth)
01/06	800	500	1000	
02/06	760	500	1000	
03/06	1250	1000	2000	
01/07	1252	500	1000	
02/07	1151	500	1000	
03/21	840	500	1000	664
03/21	798	500	1000	57:
06/21	917	500	1000	604
06/21	671	500	1000	623
07/21	1072	500	1000	673
08/21	1234	1000	2000	1207
09/21	997	500	1000	74
10/21	1129	500	1000	101
11/21	1129	1000	2000	939
12/21	1129	500	1000	810
02/22	812	500	1000	613
03/22	946	500	1000	707
04/22	917	500	1000	703
05/22	1110	1000	2000	1223
06/22	856	500	1000	710
07/22	1130	500	1000	736
08/22	1093	500	1000	925
verage	1000	<u>Mode</u> 500	1000	792
t. Dev.	171	-		196
pper Limit	1341	1000	2000	1184
ower Limit	658	250	500	401

Client:	Elk	hart WWTP
Project #	,	
Analysts:	ММК	, MMB, MN, AF
	Start Date:	8/23/2022
Test Dates	Start Time:	0915
<u>Test l</u>	End Date:	8/30/2022
	End Time:	1000
Template #	đ	<u>r</u> <u>B</u>
Comments:		

0 = Number of Live Young / = Test Organism Dead

y = Male

M = Lost or Missing

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MMB, MMK, MN, AF	/	/
MMB, MI	8/23/22	8/30/22
Analyst:	Test Start- Date/Time:	Test Stop- Date/Time:
Elkhart WWTP	Elkhart, IN	8/21,23,25/22
Discharger:	Location:	Date Sample Collected:

Young per Adult	0.0	0.0	1.8	3.0	4.0	2.9	2.6	i i	14.3 10 per female	
	0	0		E	4	2	100 C		Ð	
No. of Adults	10	6	6	6	6	6	6		6	
No. of Young	0	0	18	30	40	29	26		143	
10	0	/0	/0	/0	/ 0	/ 0	/ 0		0	
6	0	0	4	7	0	7	0		18	
8	0	0	0	4	4	7	0		15	
7	0	0	5	0	0	7	8		20	
icate 6	0	0	2	4	9	0	0		12	
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Young per	Adult	0:0	0.0	2.2	2.2	2.3	2.2	5.5		14.4
No. of	Adults	10	10	10	10	10	10	10		10
No. of	Young	0	0	22	22	33	22	55		144
	10	0	0	4	0	4	0	∞	a nijez	16
	6	0	0	2	ю	0	9	0		11
	8	0	0	4	0	4	0	∞		16
	7	0	0	4	0	0	4	12		20
icate	. 9	0	0	2	5	5	0	0		12
Repl	5	0	0	2	5	4	0	0		11
	4	0	0	0	4	0	8	6		21
	3	0	0	2	0	0	4	10		16
	2.	0	0	0	2	2	0	8		12
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	Day	1	2	3	4	5	6	7		Total
	Conc.					8%				

Young per Adult	0.0	0.0	1.8	2.8	3.0	2.9	5.7	16.2
No. of Adults	10	10	10	10	10	10	10	10
No. of Young	0	0	18	28	30	29	57	162
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ŋ	0	0	4	4	0	7	0	15
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cate 6	0	0	Э	7	e S	0	0	13
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4	0	0	0	0	5	8	6	22
3	0	0	2	5	6	0	0	16
2	0	0	0	2	0	4	11	17
1 [0	0	2	2	4	0	0	8
Day		2	ß	4	5	. 9	7	Total
Conc		•••			12%			

Pa f2

Young per Adult	0.0	0.0	2.3	2.0	2.6	2.9	6.3	
No. of Adults	10	10	10	10	10	10	10	10
No. of Jung	0	0	23	20	26	29	63	
8	0	0	4	0	0	5	8	47
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icate 6	0	0	2	0	0	4	7	1.0
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Conc.					25%			

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	9	/ 0	0	0	7	9	0	0	0	0	7	20	6	2.0
	7	/ 0	9	0	6	11	0	7	4	10	6	56	6	5.6
	Total	0.0	13	10	19	ឌ	16	14	8	3	19	144	ດ	14.4

Young per Adult	0.0	0.0	17	2.2		2.3	5.3		12.6
No. of Adults	10	6	8	80	8	8	8		8
No. of Young	0	0	17	22	11	23	53		126
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Day	1	2	3	4	5	9	7		Total
onc					100%				

Pa f2

GROUP	IDENTIFICATION	NUMBER EXPOSED	NUMBER DEAD	SIG (P=.05)
1 2 3 4 5	CONTROL 6.25% 12.5% 25% 50% 100%	10 10 10 10 10 10	1 0 0 1 2	

### SUMMARY OF FISHERS EXACT TESTS

Elkhart 8.22 File: ceriorep

File: ceriorep Transform: NO TRANSFORMATION

Chi-square test for normality: actual and expected frequencies

INTERVAL	<-1.5	-1.5 to <-0.5	-0.5 to 0.5	>0.5 to 1.5	>1.5
EXPECTED	4.020	14.520	22.920	14.520	4.020
OBSERVED	5	12	26	14	3

Calculated Chi-Square goodness of fit test statistic = 1.3676 Table Chi-Square value (alpha = 0.01) = 13.277

Data PASS normality test. Continue analysis.

Elkhart 8.22 File: ceriorep Transform: NO TRANSFORMATION

Hartley test for homogeneity of variance

Calculated H statistic (max Var/min Var) = 3.05Closest, conservative, Table H statistic = 12.1 (alpha = 0.01) Used for Table H ==> R (# groups) = 6, df (# reps-1) = 9Actual values ==> R (# groups) = 6, df (# avg reps-1) = 9.00

Data PASS homogeneity test. Continue analysis.

NOTE: This test requires equal replicate sizes. If they are unequal but do not differ greatly, the Hartley test may still be used as an approximate test (average df are used). Elkhart 8.22 File: ceriorep

### File: ceriorep Transform: NO TRANSFORMATION

	st	JMMARY S	TATISTICS	ON TRANS	FORMED DATA	TABLE 1 of 2	
GRP	IDENTIFI	CATION	N	MIN	MAX	MEAN	
1 2		control	10	0.000	20.000	14.300	
3		12.5	10	9.000	21.000 24.000	14.400	
4		25	10	9.000	26.000 23.000	16.100	
5		50	10	0.000	23.000	14.400	
6		100	10	0.000	19.000	12.600	
					ANSFORMATION FORMED DATA	TABLE 2 of 2	
GRP	IDENTIFI	CATION	VARI	ANCE	SD	SEM	0 447 448 449 449 449 444 449 449 449 449 449
1	C	ontrol	3	1.122	5.579	1.764	
2 3		6.25		6.267	4.033	1.275	
4		25	2	8.544	4.517	1.428	
5		50	4	9.600	5.343 7.043	2.227	
6		100		9.156		2.217	
	art 8.22 : ceriore	p	Transfo		ANSFORMATION		
SOUR	 CE	D		SS		MS	F
Betw	 een				533	17.907	
With:	in (Error	) 54	1	1755.8		32,515	0.001
				1845.3			

Critical F value = 2.45 (0.05,5,40) Since F < Critical F FAIL TO REJECT Ho:All groups equal Elkhart 8.22 File: ceriorep

Transform: NO TRANSFORMATION

	DUNNETTS TEST - TAN	BLE 1 OF 2	Ho:Control <tr< th=""><th>reatment</th><th></th></tr<>	reatment	
GROUP	IDENTIFICATION	TRANSFORMED MEAN	MEAN CALCULATED IN ORIGINAL UNITS	T STAT	SIG
1 2 3 4 5 6	control 6.25 12.5 25 50 100	$14.300 \\ 14.400 \\ 16.200 \\ 16.100 \\ 14.400 \\ 12.600$	14.300 14.400 16.200 16.100 14.400 12.600	-0.039 -0.745 -0.706 -0.039 0.667	
Dunnet	t table value = 2.31	(1 Tailed V	alue, P=0.05, df=40,	5)	

Elkhart 8.22

File: ceriorep Transform: NO TRANSFORMATION

	DUNNETTS TEST -	TABLE 2 OF	2 Но:	Control <t< th=""><th>reatment</th></t<>	reatment
GROUP	IDENTIFICATION	NUM OF REPS	Minimum Sig Diff (IN ORIG. UNITS)	% of CONTROL	DIF <b>FE</b> RENCE FROM CONTROL
1	control	10			
2	6.25	10	5.891	41.2	-0.100
3	12.5	10	5.891	41.2	-1.900
4	25	10	5.891	41.2	-1.800
5	50	10	5.891	41.2	-0.100
6	100	10	5.891	41.2	1.700

Discharger:	Elkhart WWTP	Test Dates:	8/23/22 - 8/30/22
Location:	Elkhart, IN	Analysts:	MMK, MMB, MN, AF

		San San San San San San San San San San			Day				1
Conc :	Control	1	2	3	4	5	6	7	Remarks
Temp.		25	25	25	25	25	25	25	
D.O.	Initial	8.7	8.1	\$.3	8.5	8.9	6.8	8.1	Template & 8
	Final	8.0	8.4	6.1	8 4	8.4	83	8.7	······································
PH	Initial	7,6	7.9	4.0	82	7.9	X . ]	8-1	
	Final	7.9	7.8	8.0	9.8	8.6	8,1	7.9	
Alkalini	ty	40		40		ЧĎ	1.5.1.2 Sta		
Hardnes	SS	110		100		110			
Conduc	tivity	340		370		360			
Chlorine	9								

					Day		SATURA S		1
Conc:	6.25%	1	2	3	4	5	6	7	Remarks
Temp.		25	25	25	25	25	25	25	e en anna an tha chiù an taonn an anna an an an an anna an an an an
D.O.	Initial	8.6	8.2	4.4	84	8.7	8.7	8.5	
	Final	7,9	8.3	8.2	8.5	8.4	83	<b>ፈ</b> .ጉ	
pH	Initial	7.6	7.8	7,9	84	7.9	8.1	8.1	
	Final	7.8	7.8	50	8.8	<b>Q</b> .1b	81	२,न	
Alkalini	ty								
Hardne	SS								
Conduc	tivity	370		310		410			
Chlorin	e		$(P_{i})_{i\in \mathbb{N}} \in \{P_{i}\}_{i\in \mathbb{N}}$						

					Day				
Conc:	12.5%	9.08 <b>1</b> 9.3	2	3	4	5	6	888 <b>7</b> .888	Remarks
Temp.		25	25	25	25	25	25	25	
D.O.	Initial	8.4	8.2	4.4	8.3	8.8	8.7	8.5	
	Final	7.8	8.3	8.3	85	8.4	8.19	8.7	
pH	Initial	76	7-8	7.9	8.1	7.9	8.8	81)	
	Final	7.8	7.8	79	8.0	8.0	8-1	7,9	
Alkalinit	<b>y</b>								
Hardnes	S								
Conduct	ivity	400		430		458			
Chlorine		ii							

•				
	Discharger:	Elkhart WWTP	Test Dates:	8/23/22 - 8/3 <i>0</i> /22
	Location:	Elkhart, IN	Analysts:	ММК, ММВ, MN, AF

					Day	and the state of the			
Conc:	25%	1	2	3	4	5	6	7	Remarks
Temp.		25	25	25	25	25	25	25	
D.O.	Initial	8.9	\$3	\$,5	8.2	8,8	8.6	8.5	
	Final	3.7	8.2	83	3.6	8.6	8.5	8.6	
PH	Initial	7.6	7.8	7.8	8.40	7.8	8.0	8.0	
	Final	7.4	7.9	19	79	8.10	8.1	7.8	
Alkalini	lty								
Hardne	SS								
Conduc	tivity	456		520		576		and the second	
Chlorin	e								

			Nelos de la com		Day				
Conc:	50%	1	2	3	4	5	6	7	Remarks
Temp.		25	25	25	25	25	25	25	
D.O.	Initial	8.4	8.5	8.6	8.2	8.7	8.7	8.5	
	Final	7.6	8.2	84	8,6	3.8	8.6	8.6	
рН	Initial	7.6	7.7	チ・ユ	\$ .0	7.8	7.9	7.9	
	Final	7,7	7.9	78	7.8	7.9	8-0	7.8	
Alkalin	tý		· 图45-10-10-10-10-10-10-10-10-10-10-10-10-10-						
Hardne	SS								
Conduc	tivity	570		710		760			
Chlorin	e								

					Day				
Conc:	100%	1	2	3	4	5	6	7	Remarks
Temp.		25	25	25	25	25	25	25	
D.O.	Initial	9.0	8.9	9,0	27	9.3	7.0	8,8	
	Final	7.4	8.1	8.5	87	8.7	60	8,6	
pH	Initial	7.5	7.7	7.7	7.7	7.6	7.7	17.8	
	Final	£.F	7.9	7.5	7.7	7.7	811	7.8	
Alkalini	ty	130		130		110			
Hardnes	SS	275		225		2.75			
Conduc	tivity	790		770		115 0			
Chlorine	e	N.P.		N.D.		N.D.			
Ammon	nia	N.D.		N.D		0.25			

Discharger	Elkhart WWTP	Test Dates	8/23/22 -8/30/22
Location:	Elkhart, IN	Analysts:	MMK, MMB, MN, AF

			No.	Survi	ving Day	Organi	sms		
Conc :	Rep.#	1	2	3	4	5	6	7	Remarks
	A	10	10	10	q	9	9	9	
Contral		10	10	10	10	10	0	10	
Control	С	10	10	10	10	16	10	10	
	D	10	10	10	10	10	0	10	
	A	10	10	10	10	10	10	10	
6.25%	В	10	10	8	8	8	8	8	
0.20%	C	10	10	0	10	16	٩	9	
	D	10	10	10	10	16	10	10	
12.5%	A	10	10	0	10	10	0	٩	
	В	10	10	10	10	18	16	10	
	C	10	10	10	10	10	10	10	
	D	10	٩	9	8	و:	6	Ь	
	A	16	10	10	10	10	10	10	
25%	В	10	10	0	19	10	0	16	
	C	10	10	10	10	10	10	10	
1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	D	10	10	10	- 10	10	10	10	
	A	16	10	10	10	10	9	9	
50%	В	10	10	10	10	10	10		
	C	10	٩	8	1	7	7	7	
	D	10	10	10	9	9	9		
	A	1 (5	٩	9	8	िर	Δ	8	
100%	В	10	10	10	10	0	10	10	
100/0	C	10	10	10	10	10	10	10	
	D	16	10	10	8	8	8	8	

**Comments:** Start Time: 1015

FHM Source:

Lab Cultures

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Elkhart 8.22 File: fhmsurv Transform: ARC SINE(SQUARE ROOT(Y)) Shapiro Wilks test for normality D = 0.453W = 0.927Critical W (P = 0.05) (n = 24) = 0.916 Critical W (P = 0.01) (n = 24) = 0.884 Data PASS normality test at P=0.01 level. Continue analysis. Elkhart 8.22 File: fhmsurv Transform: ARC SINE(SQUARE ROOT(Y)) Hartley test for homogeneity of variance Bartletts test for homogeneity of variance These two tests can not be performed because at least one group has zero variance. Data FAIL to meet homogeneity of variance assumption. Additional transformations are useless.

Elkhart 8.22 File: fhmsurv

GROUP	IDENTIFICATION	TRANSFORMED MEAN	RANK SUM	CRIT. VALUE	df	SIG
1	control	1.371				
2	6.25%	1.295	15.50	10.00	4.00	
3	12.5%	1.240	15.50	10.00	4.00	
4	25%	1.412	20.00	10.00	4.00	
5	50%	1.225	13.50	10.00	4.00	
6	100%	1.260	15.00	10.00	4.00	

Critical values use k = 5, are 1 tailed, and alpha = 0.05

Discharge: Elkhart WWTP Location: Elkhart, IN Analyst: MMB, MMK, MN, AF

Test Date(s) : 8/23-30/22 Weighing Date: 8/31/22

Drying Temp (°C): Drying Time (h):

Conc:	Rep. No.	Wgt. of boat (g)	Dry wgt: foil and larvae (g)	Total dry wgt of larvae (mg)	No. of larvae	Mean dry wgt of larvae (g)	Remarks
	A	0.91820	0.92170	3.50	6	0.350	
	ß	0.90480	0.90840	3.60	10	0.360	
Control	U	0.89800	0.90130	3.30	10	0.330	
		0.90520	0.90880	3.60	10	0.360	
	A	0.89850	0.90170	3.20	10	0.320	
Conc:	8	07606.0	0.91330	3.60	8	0.360	
6.25%	ပ	0.90970	0.91330	3.60	б	0.360	
		0.89820	0.90200	3.80	10	0.380	
	A	0.91270	0.91640	3.70	σ	0.370	
Conc:	8	0.92080	0.92420	3.40	10	0.340	
12.5%	U	0.91140	0.91490	3.50	10	0.350	
		0.91650	0.91830	1.80	9	0.180	
	A	0.91990	0.92280	2.90	10	0.290	
Conc :	m	0.90700	0.91070	3.70	10	0.370	
25%	U	0.90820	0.91120	3.00	10	0.300	
		0.92260	0.92540	2.80	10	0.280	
	A	0.91370	0.91680	3.10	σ	0.310	
Conc:	m	0.91880	0.92250	3.70	10	0.370	
50%	J	0.90750	0.91040	2.90	7	0.290	
	6	0.92450	0.92780	3.30	6	0.330	
	A	0.91300	0.91630	3.30	∞	0.330	
Conc:	6	0.92210	0.92550	3.40	10	0.340	
100%	J	0.92380	0.92760	3.80	10	0.380	
	٥	0.92280	0.92600	3.20	8	0.320	

Elkhart 8.22 File: fhm grow

File: fhm grow Transform: NO TRANSFORMATION

### Chi-square test for normality: actual and expected frequencies

INTERVAL	<-1.5	-1.5 to <-0.5	-0.5 to 0.5	>0.5 to 1.5	>1.5
EXPECTED OBSERVED	1.608 0	5.808 6	9.168 11	5.808 7	1.608 0

Calculated Chi-Square goodness of fit test statistic = 3.8331 Table Chi-Square value (alpha = 0.01) = 13.277

Data PASS normality test. Continue analysis.

Elkhart 8.22 File: fhm_grow Transform: NO TRANSFORMATION

Hartley test for homogeneity of variance

Calculated H statistic (max Var/min Var) = 38.33 Closest, conservative, Table H statistic = 184.0 (alpha = 0.01)

Used for Table H ==> R (# groups) = 6, df (# reps-1) = 3 Actual values ==> R (# groups) = 6, df (# avg reps-1) = 3.00

_____

Data PASS homogeneity test. Continue analysis.

NOTE: This test requires equal replicate sizes. If they are unequal but do not differ greatly, the Hartley test may still be used as an approximate test (average df are used). Elkhart 8.22 File: fhm_grow

### Transform: NO TRANSFORMATION

	SU	JMMARY S	STATISTICS	ON TRANSF	ORMED DATA	TABLE 1 of	2
GRP	IDENTIF	ICATION	N	MIN	MAX	MEAN	
1		control	4	0.330	0.360	0.350	
2 3		6.25%	4	0.320	0.380 0.370 0.370	0.355	
4		25%	4	0.280	0.370	0.310	
5		50%	4	0.290	0.370	0.325	
6		100% 	4	0.320	0.370 0.380	0.343	
					NSFORMATION	TABLE 2 of	2
GRP	IDENTIF:	ICATION	VARI		SD		
1	(	control		0.000	0.014	0.007	
2 3		6.25%		0.001	0.025 0.088 0.041	0.013	
4		12.5% 25%		0.008	0.088	0.044	
5		50%		0.001	0.034 0.026	0.017	
6		100%		0.001	0.026	0.013	
Elkh File	art 8.22 : fhm_gro	ЭW	Transfo	rm: NO TRA ANOVA I	NSFORMATION ABLE		
SOUR		E	)F	SS		MS	F
Betw	een		5	0.0		0.002	1.000
With	in (Erroi	c) 1	8	0.0	36	0.002	
Tota	1	2	23	0.0	44		

Critical F value = 2.77 (0.05,5,18) Since F < Critical F FAIL TO REJECT Ho:All groups equal

	DUNNETTS TEST - TA	BLE 1 OF 2	Ho:Control <tr< th=""><th>eat<b>me</b>nt</th><th></th></tr<>	eat <b>me</b> nt	
GROUP	IDENTIFICATION	TRANSFORMED MEAN	MEAN CALCULATED IN ORIGINAL UNITS	T STAT	SIG
1 2 3 4 5 6	control 6.25% 12.5% 25% 50% 100%	0.350 0.355 0.310 0.310 0.325 0.343	0.350 0.355 0.310 0.310 0.325 0.343	-0.158 1.265 1.265 0.791 0.237	
Dunnet	tt table value = 2.41	(1 Tailed V	alue, P=0.05, df=18,	5)	

Elkhart 8.22 File: fhm_grow Transform: NO TRANSFORMATION

	DUNNETTS TEST -	TABLE 2 OF	2 Но:	Control <t< th=""><th>reatment</th></t<>	reatment
GROUP	IDENTIFICATION	NUM OF REPS	Minimum Sig Diff (IN ORIG. UNITS)	% of CONTROL	DIFFERENCE FROM CONTROL
1	control	4			tana ara dali dili per tan ban pila any ana ana
2	6.25%	4	0.076	21.8	-0.005
3	12.5%	4	0.076	21.8	0.040
4	25%	4	0.076	21.8	0.040
5	50%	4	0.076	21.8	0.025
6	100%	4	0.076	21.8	0.008

Discharger:	Elkhart WWTP	Test Dates:	8/23/22 -8/30/22
Location:	Elkhart, IN	Analysts:	MMK, MMB, MN, AF

		1993 555 485		arkahasing	Day		kang kang t		
Conc: (	Control	1	2	3	4	5	6	7.00	Remarks
Temp.		25	25	25	25	25	25	25	
D.O.	Initial	8.3	8,8	8.4	8.9	9.0	8,8	8.8	
	Final	7.4	69	6.8	7.1	7.4	7.4	6.9	
pH	Initial	7.9	2.0	8.2	7.9	8.0	8.0	8.0	
1. 200. N. Qiel	Final	7.7	8.2	7.8	8.1	8.0	8.0	7.8	
Alkalinit	Y.	40		40		40			
Hardnes	s	110		100		110			
Conduct	ivity	350		380		395	$(\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},1$	11 12 1	
Chlorine								$\sum_{n=1}^{\infty} \sum_{i=1}^{n-1} \sum_$	

					Day				
Conc:	6.25%	1	2	3	4	5	6	<b></b>	Remarks
Temp.		25	25	25	25	25	25	25	
D.O.	Initial	8.3	8.8	8.5	8.9	8.8	8,7	8.9	
ana ang ang ang ang ang ang ang ang ang	Final	7.2	6.9	6.8	7.1	73	7.2	6.9	
pH	Initial	7.9	8.0	8.1	7.9	8.10	8.0	8.0	
	Final	7.9	8.1	7.7	8.0	8.0	7.9	7.8	
Alkalinit	ty								
Hardnes	5 <b>5</b>								
Conduct		310		400		410			
Chlorine									

					Day	S. Mira Shiki (193			
Conc:	12.5%	1	2	3	4	5	6	<b>. 197</b> 2.23	Remarks
Temp.		25	25	25	25	25	25	25	
D.O.	Initial	8.5	S.1.	8.6	8.9	8.7	\$,7	8.9	
	Final	7.5	4.8	6.7	7.0	7.3	7,3	6.9	
pH	Initial	7.8	80	8.0	7.8	5,8	8.0	79	
	Final	7.9	8.0	7.7	8-6	7.9	7.9	7,7	
Alkalini									
Hardne						1 Harris - 1			
Conduc		400		430		480	Cilles .		
Chlorin									

Discharger:	Elkhart WWTP	Test Dates:	8/23/22 -8/30/22
Location:	Elkhart, IN	Analysts:	MMK, MMB, MN, AF

			1973 - 1974 - 1974 1975 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 -		Day				
Conc:	25%	1	2	3	4	5	6	- 7	Remarks
Temp.		25	25	25	25	25	25	25	
D.O.	Initial	8.6	8.6	8.7	9.0	8.6	8.7	9.0	
	Final		6.7	6.8	7.0	7.2	7.3	6.8	
рН	Initial	הר	60	\$,0	7.7	7.9	6.0	79	
100.00	Final	7.9	7.9	7.6	8.5	7.9	7.8	7.6	
Alkalinit	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se								
Hardnes									
Conduct		460		520		590			
Chlorine									

		19.66.66			Day				
Conc:	50%	1	2	3	4	5	6	7.88	Remarks
Temp.		25	25	25	25	25	25	25	
D.O.	Initial	87	8.5	8.9	9.2	8.6	8.7	9.2	
	Final	7.1	6.6	6.8	69	7.1	7.1	6.8	
рН	Initial	٦.٦	7.9	7, 9	7.7	7.7	79	7.8	
	Final	7-8	7.8	7.6	7,7	7.8	7.8	7.6	
Alkalini	ty								
Hardnes	55								
Conduct	tivity	580		700		880			
Chlorine	3		Asses St.						

		and the second			Day				
Conc:	100%	1	2	3	4	5	6	7	Remarks
Temp.		25	25	25	25	25	25	25	
	Initial	9.2	8.9	9.5	9.9	7.4	9.6	9.8	
	Final	7.0	6.4	6.8	6.7	6.6	7.8	6.8	
рл	Initial	7.6	7.7	7,7	7.6	ゴウ	7.7	7.6	
	Final	7,1	7.7	7.8	7.8	7.7	7.8	7.7	
Alkalin	ity	130		130		110			
Hardne	SS	275.		225		275			
Conduc	ctivity	820		1040		1190		i sente p	
Chlorin		N.P.		ND		N.D.			
Ammo	nia	N.P.		N.D		0.25		$\sum_{i=1}^{n-1} \frac{1}{i} \sum_{i=1}^{n-1} \frac{1}{i$	

**Indiana DEM** 

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# 續 Signing Process Confirmation - CDX Activity ID: _0d3674ad-541d-4cc7-9ed8-5e558434d5da

Your DMRs are undergoing the Signing Process

Permit ID	<u>Facility</u>	<b>Permitted Feature</b>	Discharge #	Discharge Description	Monitoring Period End Date	DMR Due Date
IN0025674	ELKHART WWTP	005	005-C	CSO- ARCH/BAR, NW OF INTERSECTION	09/30/22	10/28/22
IN0025674	ELKHART WWTP	006	006-C	CSO- JACKSON, N OF BRIDGE, W OF ELKHART RIVER	09/30/22	10/28/22
IN0025674	ELKHART WWTP	007	007-C	CSO- JACKSON, N OF BRIDGE, E OF ELKHART RIVER	09/30/22	10/28/22
IN0025674	ELKHART WWTP	008	008-C	CSO- HUG/EAST BLVD	09/30/22	10/28/22
IN0025674	ELKHART WWTP	600	D-600	CSO- NIBCO PRKWY - FKA JR. ACHIEVEMENT (Y DR N)	09/30/22	10/28/22
IN0025674	ELKHART WWTP	011	011-C	CSO- ELKHART/FRANKLIN	09/30/22	10/28/22
IN0025674	ELKHART WWTP	012	012-C	CSO- CASSOPOLIS/BEARDSLEY	09/30/22	10/28/22
IN0025674	ELKHART WWTP	013	013-C	CSO- JOHNSON/BEARDSLEY	09/30/22	10/28/22
IN0025674	ELKHART WWTP	014	014-C	CSO- DAM AT CONE/ERWIN	09/30/22	10/28/22
IN0025674	ELKHART WWTP	015	015-C	CSO- MICHIGAN/FULTON	09/30/22	10/28/22
IN0025674	ELKHART WWTP	016	016-C	CSO- DAN @ GOSHEN/SUPERIOR	09/30/22	10/28/22
IN0025674	ELKHART WWTP	017	017-C	CSO- W. BOULEVARD/MCNAUGHTON	09/30/22	10/28/22
IN0025674	ELKHART WWTP	018	018-C	CSO- MCNAUGHTON PARK WEST	09/30/22	10/28/22
IN0025674	ELKHART WWTP	019	019-C	CSO-MICHIGAN @ RVR, S. OF LEX.	09/30/22	10/28/22
IN0025674	ELKHART WWTP	020	020-C	CSO- BRIDGE AND HUDSON	09/30/22	10/28/22
IN0025674	ELKHART WWTP	023	023-C	CSO- FRANKLIN/8TH	09/30/22	10/28/22
IN0025674	ELKHART WWTP	024	024-C	CSO- INDIANA/FRANKLIN	09/30/22	10/28/22
IN0025674	ELKHART WWTP	025	025-C	CSO- POTTAWATOMI/SECOND	09/30/22	10/28/22
IN0025674	ELKHART WWTP	026	026-C	CSO- MAIN/POTTAWATOMI	09/30/22	10/28/22
IN0025674	ELKHART WWTP	027	027-C	CSO- EDGEWATER/NAVAJO	09/30/22	10/28/22
IN0025674	ELKHART WWTP	028	028-C	CSO- WASHINGTON AT RIVER	09/30/22	10/28/22
IN0025674	ELKHART WWTP	029	029-C	CSO- JEFFERSON AT THE RIVER	09/30/22	10/28/22
IN0025674	ELKHART WWTP	031	031-C	CSO- ELIZABETH/LUSHER	09/30/22	10/28/22
IN0025674	ELKHART WWTP	032	032-C	CSO- EDGEWATER/OKEMA	09/30/22	10/28/22
IN0025674	ELKHART WWTP 5 033	033	033-C	CSO- EVANS/GRACE	09/30/22	10/28/22

10/28/22	09/30/22	CSO- MCNAUGHTON PARK SOUTH	040-C	ELKHART WWTP 040	IN0025674
10/28/22	09/30/22	CSO- WEST HIGH AT RIVER	039-C	ELKHART WWTP 039	IN0025674
10/28/22	09/30/22	CSO- FRANKLIN/KRAU	037-C	ELKHART WWTP 037	IN0025674
10/28/22	09/30/22	20 MGD CLASS IV ACTIVATED SLUDGE - TO ST JOSEPH RIVER 09/30/22	035-A	ELKHART WWTP 035	IN0025674
10/28/22	09/30/22	CSO- LEXINGTON/6TH	034-C	ELKHART WWTP 034	IN0025674
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## Signing Process Confirmation - CDX Activity ID: __f6bb815b-4136-4f78-bc1b-77250547e587

Your DMRs are undergoing the Signing Process

Permit ID	Permit ID Facility. P	ermitte	ed Feature Discharge #	Discharge Des	- 70	DMR Due Date
IN0025674 EL	ELKHART WWTP	35	035-AQ	RTI	.22	10/28/22
			a second of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se			

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## Signing Process Confirmation - CDX Activity ID: _7252176e-c6d9-47c8-8056-46bfe5c201da

Your DMRs are undergoing the Signing Process

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Day Of Month Day of Week

Sat 4

Tue 7

Sun 12

Mon 13

Sat 18

Sat 25

Mon 27

Thu 30

Fri 31

2 Fri 3

5 Mon 6

8 Thu 9 Fri

10 Sat 11

14 Wed

15 Thu

16 Fri 17

19 Mon 20 Tue

21

22 Thu

23 Fri 24

26

28 Wed 29

Average

Maximum

Minimum

# of Data

### MONTHLY RE ACTIVATED SI WASTEWATER

submitting false information, including the possibility of fine and

imprisonment for knowing violations.

THE	STATE OF	X	MON	THLY	REPO		F OPE	ERATIO	N	Name of Fac Elkhart	ility				Permit Num	674		
1		AD A	ACTI	VATED	SLU	DGE	TYPE			Month		Year		Plant Des	ign Flow	Telephon	e Number	
0		ISJ	WAS'	TEWA	rer 1	REA	<b>EMEN</b>	<b>F PLAN</b>	т	Septemb	er	2022		20.00	mgd	5	74/293	-2572
5. A.	1816	·/	State For	m 10829 (I	RA/01-2	0)				E-mail add	ress:	laura ko	olo@coei.c	na			035	Α
	Section 200		01010101	11 10020 (1	11/01-2	0)				Certified Ope	erator: Na			Class	Certificate	Number		ration Date
										Laura E.	Kolo			IV	150	94	06/:	30/2023
				Total=			CH	IEMICA	_S									
				3.15		_		USED	~		<u> </u>		RAV	VSEWA	AGE	1		
Dav of Week	Man-Hours at Plant	(Flarits less triait Flyton only)	Air Temperature (optional)	Precipitation - Inches	Bypass At Plant Site("x" If Occurred)	Sanitary Sewer Overflow("x" If Occurred)	Chlorine - Lbs/day	Ferrous Chloride Lbs/Day or Gal./Day	Lbs/Day or Gal./Day	Influent Flow Rate (if metered) MGD	Hd	CBOD5 - mg/l	CBOD5 - lbs/day	Susp. Solids - mg/l	Susp. Solids - Ibs/day	Phosphorus - mg/l	Ammonia - mg/l	
Th	u		<b>`</b>	0.00				203		8.900	7.4	185	13,762	188	13,954	5.05	20.76	
F				0.00				258		14.700	7.7	121	14,840	156	19,125	4.18	18.32	
Sa				0.00				252		12.500	7.5	82	8,502	76	7,923	3.04	13.20	
Su				0.00				258		10.700	7.6	93	8,286	118	10,530	3.08	18.84	
Mo				0.00				050		10.400	7.5	99	8,563	114	9,888	3.14	20.28	
Tu				0.00				258 209		9.500 9.500	7.5 7.6	123 100	9,769 7,929	138 162	10,934	4.06	17.64 19.36	
We Th				0.00				203		11.300	7.5	167	15,784	184	17,341	4.82	21.44	
Fr				0.00				289		11.300	7.5	102	9,624	190	17,906	4.65	19.84	
Sa				0.00				212		12.000	7.6	132	13,251	158	15,813	4.85	22.84	
Su	<u>n  </u>			0.60				228		13.000	7.8	104	11,330	108	11,709	3.50	14.96	
Мс				0.10				258		12.400	7.5	92	9,492	120	12,410	3.66	17.76	
Tu We				0.10				264 228		13.800 12.600	7.7 7.5	105 116	12,127	128 158	14,732	4.51 4.55	19.96 21.28	
Th				0.00				274		11.500	8.0	238	22,817	174	16,688	5.81	20.52	
Fr				0.00				258		8.900	8.1	152	11,282	144	10,689	4.40	18.64	
Sa	ıt			0.00				268		15.000	7.7	122	15,233	116	14,512	3.92	16.04	
Su	n			0.00				266		10.700	7.6	106	9,444	100	8,924	3.53	18.44	
Mc				0.80 0.15				250 250		27.900 9.100	7.8	99 112	23,036	218	50,726	3.91	11.88	
Tu We				0.15				200		9.100	7.4 7.8	105	8,527 13,280	150 274	11,384 34,506	4.12 4.98	17.80 18.00	
Th				0.00				204		11.000	7.5	100	9,972	212	19,449	5.55	19.60	
Fr				0.00				246		11.400	8.1	149	14,155	164	15,592	4.73	20.80	
Sa				0.00				277		10.400	8.6	89	7,693	54	4,684	3.53	18.36	
Su				0.94				350		17.800	7.5	130	19,254	130	19,299	2.76	13.48	
Mo				0.10				277		11.400	7.7	80	7,620	122	11,599	3.13	15.76	
Tu We				0.20				266 210		11.800 12.500	7.5 7.4	<u>122</u> 151	11,959 15,763	120 148	11,809 15,429	4.79 4.87	23.56 20.88	
Th				0.00				266		10.600	7.7	108	9,534	146	12,907	5.30	20.32	
Fr				0.00				206		11.400	7.6	222	21,078	194	18,445	4.51	21.80	
age				0.11				251		12.303		124	12,535	149	15,611	4.26	18.75	
mu				0.94				350 203		27.900 8.900	8.6 7.4	238 80	23,036 7620	274 54	50,726 4684	5.81 2.76	23.56 11.88	
nur	11			0.00				200		0.900	1.4	00	1020	04	4004	2.10	L11.00	
Dat			0		0	3	0	27	0	30	30	30	30	30	30	30	30	
wei sy	e prepa stem de id evalu	ared i esign late tl	under m ed to a he infor	ny direct ssure th mation s	ion or s at qual submit	supervi lified pe led, Ba	sion in a ersonnel sed on n	all attach ccordanc properly ny inquiry ons direc	e with a gather ⁄ of the				on of (Certifie				onth, day, $127$	^{year)} (22

Signature of principal executive officer or authorized agent (or attested by NetDMR subscriber agreement)

1Å ama

10/27/22

Permit Number

Month

Year

State Form 10829 (R4 / 01-20) Name of Facility

	гасшу			Pennic North		Month		Year										
Elkha	rt			IN00256	674	Septe	mber	20	22									
	PRIMA	₹Y			AE	RATIO	N			SECON	DARY				EFFLUE			
ļ	EFFLUE	ENT	MIXED L	IQUOR				RETURN S	LUDGE	EFFLUE	ENT							
Day Of Month	CBOD5 - mg/l	Susp. Solids - mg/l	Settleable Solids % in 30 minutes	Susp. Solids - mg/l	Sludge Vol. Index - ml/gm	Dissolved Oxygen - mg/l	Temperature - F	Volume - MG	Susp. Solids - mg/l	CBOD5 - mg/l	Susp. Solids - mg/l	Residual Chlorine - Final	Residual Chlorine - Contact Tank	E. Coli - colony/100 ml	pH - daily low (or single sample)	pH - daily high (if multiple samples)	Dissolved Oxygen - mg/l	Oil & Grease (mg/l)
1	139	68	166	2,716	61	3.4	21	7.785	5,320					15	7.6		7,7	
2	87	65	180	2,568	70	4.8	21	7.785	5,560					28	7.6		8,5	
3	74	49	194	2,644	73	4.1	20	7.785	5,880					14	7.7		8.1	
4	60	55	190	2,536	75	4.6	20	7.785	5,240					21	7.8		8.2	
5	63	55	184	2,376	77	4.8	20	7.785	4,880					14	7.8		8.1	
6	74	59	188	2,460	76	4.9	20	7.785	5,280					8	7.9		8.4	
7	67	57	168	2,344	72	4.2	20	7.785	5,260					17	7.8		8.1	
8	135	61	170	2,292	74	3.0	20	7.785	5,260					16	7.6		8.0	
9	64	56	180	2,480	73	4.7	20	7.785	5,420					23	7.8		8.0	
10	91	69	179	2,352	76	3.8	21	7.785	5,380					14	7.7		8.3	
11	75	58	176	2,328	76	3.7	21	7.785	4,220					4	7.7		8.6	
12	78	56	184	2,064	89	3.9	20	7.785	5,240					13	7.6		8.2	
13	84	70	171	2,584	66	4.0	20	7.785	5,440					13	8.0		8.1	
14	79	74	186	2,436	76	2.9	20	7.785	5,360					11	7.7		8.1	
15	167	68	182	2,260	81	2.3	20	7.785	5,300					11	7.7		7.8	
16	119	58	200	2,852	70	2.5	20	7.785	5,520					12	7.6		7.3	
17	62	64	221	2,584	86	4.0	20	7.785	5,540					29	7.8		7.7	
18	74	48	226	2,560	88	4.4	20	7.785	4,500					8	7.9		8.3	
19	61	90	220	2,232	99	4.2	20	7.785	4,820					4	7.7		8.0	
20	77	80	201	2,456	82	3.0	20	7.785	5,700					11	7.7		8.0	
21	76	72	222	2,404	92	2.5	21	7.785	5,180					9	7.5		7.7	
22	72	62	166	3,256	51	4.1	20	7.785	5,680					14	7.6		8.2	
23	80	54	206	2,596	79	4.2	20	7.785	5,480					17	7.7		8.4	
24	73	49	203	2,428	84	4.4	20	7.785	5,060					9	7.7		9.2	
25	83	56	210	2,272	92	4.4	19	7.785	3,660					13	7.4		8.4	
26	48	54	218	2,308	94	4.0	19	7.785	5,080					2	7.4		8.3	
27	93	60	214	2,200	97	3.1	19	7.785	5,200					8	7.5		8.2	
28	98	76	226	2,312	98	2.9	20	7.774	5,740					8	7.7		7.8	
29	76	60	188	2,300	82	3.4	19	7.785	5,420	-				26	7.4		8.0	
30	137	60	184	2,464	75	4.2	19	7.785	5,540					12	7.6		8.0	
31																		
Avg	86	62	193	2,455		3.8	20	7.784	5,239					13	-		8.1	
Max	167	90	226	3,256	99	4.9	21	7.785	5,880					29		8.0	9.2	
Min.	48	48	166	2064	51	2.3	19	7.774	3660					2		7.40	7.3	
	Max													29				
		ove 235												0				
Data	30	30	30	30	30	30	30	30	30	0	0	1	0	30	30	0	30	0

Comments for the Month (major repairs, breakdowns, process upsets and their causes, inplant treatment process bypass, etc.):

Name of Facil	10829 (R4 / 01 lity	-20)	Permit Numb	er	Month		Year									
Elkhart			IN00256	674	Septe	mber	20	22								
	Γ					F	INAL EF	FLUENT	-							
	Flow		BOD				Total Si	uspende	d Solids	5	Ammor	ia	r	-	Phosph	iorus
Day Of Month Day of Week	Effluent Flow Rate (MGD)	Effluent Flow Weekly Average	CBOD5 - mg/l	CBOD5 - mg/l Weekly Average	CBOD5 - lbs/day	CBOD5 - Ibs/day Weekly Average	Susp. Solids - mg/l	Susp. Solids - mg/l Weekly Average	Susp. Solids - Ibs/day	Susp. Solids - Ibs/day Weekly Average	Ammonia - mg/l	Ammonia - mg/l Weekly Average	Ammonia - Ibs/day	Ammonia - Ibs/day Weekly Average	Phosphorus - mg/l	Phosphorus - Ibs/day
1 Thu	12.977		2		205		5		519		0.18		19.5		0.82	89
2 _{Fri}	11.507		2		173		4		413		0,89		85.4		0.87	83
3 _{Sat}	10.740		2		119		4		322		0.09		8.1		0.90	81
4 _{Sun}	10.727		2		159		3		259		0.10		8.9	ļ	0.90	81
5 _{Mon}	13.714		2		238		3		343		0.08		9.1		0.90	103
6 _{Tue}	9.080		2		176		4		295		0.08		6.1		0.91	69
7 Wed	11.630		2		178		3		330		0.09		8.7		1.03	100
8 Thu	12.647		2		204		4		464	-	0.13		13.7		1.01	107
9 _{Fri}	11.094		2		167		4		389		0.07		6.5		1.10	102
10 _{Sat}	13.125	11.717	3	2.07	301	203	5	3,79	514	371	0.08	0.09	8.8	9	1.12	123
11 _{Sun}	13.795		3		308		4		495		0.20		23.0		1.06	122
12 _{Mon}	10.336		2		215		4		336		0.09		7.8		0.78	67
13 _{Tue}	12.066		2		224		5		523		0.09		9.1		0.83	84
14 _{Wed}	11.250		2		205		6		516		0.13		12.2		0.91	85
15 _{Thu}	11.580		4		362		5		464		0.17		16.4		0.96	93
16 _{Fri}	11.702	44.075	2	0.50	176	0.40	4	4.74	400	407	0.07	0.40	6.8	40	0.98	96
17 _{Sat}	12.396	11.875	2	2.50	243	248	5	4.71	538	467	0.10	0.12	10.3	12	0.79	82
18 _{Sun}	13.242		2		202		4		409		0.09		9,9		0.83	92
19 _{Mon}	11.070 13.880		2		179 242		4		397		0.09		8.3 60.2		0.95	88
20 _{Tue}	11.340		2 2		242		4		498 331		0.52		46.3		0.89	103 84
21 _{Wed}	10.611		2		161		4		345		0.49		10.6		1.23	109
22 _{Thu} 23 _{Fri}	10.860		2		221		6		525		0.12		8.2		1.11	105
23 Fri 24 _{Sat}	11.911	11.845	3	2,11	249	208	4	4.27	437	420	0.09	0.21	7.9	22	1.00	99
24 Sat 25 Sun	17.430	11.045	3	2,11	436	200	4	4.27	509	420	0.08	0.21	11.6	~~~	1.00	151
25 Sun 26 Mon	10.945		3		274		5		466		0.08		8.2		0.80	73
20 Mon 27 Tue	12.160		2		243	ļ	4		456		0.00		10.1	ļ	0.00	76
27 Tue 28 Wed	10.537		2		200	L	5		457		0.31		27.2		0.73	47
20 Wed 29 Thu	11.587		2		200		5		464		0.14		13.5		1.13	109
30 Fri	11.173	12.109	2	2.52	192	258	5	4.83	503	477	0.04	0.13	3.7	12	0.96	89
30 Fn 31	1	12.100		2.02	, 52	200			000		0.07	0.10		, 2	- 0.00	
Avg	11.904		2		223		4	a star see at	431		0.16		16.2		0.90	93
Max	17.430	12.109	4	2,52	436	258	6	4.83	538	477	0.89	0.21	85.4	22	1.2	151
Min	9.080	11.717	2	2.07	119	203	3	3.79	259	371	0.04	0.09	3.7	9	0.5	47
Data	30													4		

	MONTHLY R	EMOVAL SUM	MARY	Sullaren gradaren	Total Monthly Flov	N:
Percent Removal	BOD5	S.S.	Ammonia	Phosphorus	(million gallons)	357
Primary Treatment	30.93	58.3				
	NA	NA			Percent Capacity	
Secondary Treatment	97.4	93.0			(actual flow/design)	60%
Overall Treatment	98.20	97.1	99.1	78.9		
Phosphorus limit would be	8	0 % removal.	(compliance i	not achieved)		

State Form 10829 (R4 / 01-20)

Name of Facility	Permit Number	Month	Year
Elkhart	IN0025674	September	2022

L														
	SLUDG					DIGE	ESTER (	OPERAT	ION			1		
	DIGEST	ER	Anaerol	bic Only										
Day Of Month	Primary SludgeGal. x 100	Waste Act. Sludge Gal. x 1000	Hď	Gas Production Cubic Ft. x 1000	Temperature - F	Supernatant Withdrawn hrs. or Gal. x 1000	Supernatant BOD5 mg/l or NH3-N mg/l	Total Solids in Incoming Sludge - %	Total Solids in Digested Sludge - %	Volatile Solids in Incoming Sludge - %	Volatile Solids in Digested Sludge - %	Digested Sludge Withdrawn hrs. or Gal. x 1000		
1	38.52	230.40	7.0		95	21.222		5.76	2.52	75.75	57.61	121.30		
2	32.07	230.40	7.3		95	10.611		5.21	2.50	74.67	57.84			
3	45.06	230.40	7.3		95	56.592		4.36	2.41	75.50	57.69			
4	22.15	230.40	7.3		95	17.685		5.15	2.45	77.14	59.62			
5	17.00	230.40	7.3		95	31.883		4.88	2.43	81.30	58.50	0.00		
6	14.58	230.40	7.2		95			5.44	2.30	78.72	58.67	101.61		
7	20.09	230.40	7,3		94			4.48	2.27	78.11	57.45	101.42		
8	28.66	230.40	7.4		104	28.296		4.84	2.22	78.00	59.04	97.80		
9	19.08	230.40	7.3		94	0.000		5.04	2.12	78.27	59.55			
10	31.78	230.40	7.2		94	77.814		4.95	2.20	77.82	58,56			
11	27.64	230.40	7.8		94			4.72	2.33	78.71	59.83			
12	25.26	230.40	7.2		94	0.000		5.31	2.34	77.91	59.62			
13	25.63	230.40	7.4		94			3.88	2.31	75.34	59.26	101.19		
14	30.18	230.40	7.6		94	10.611		3.42	2.32	73.94	58.92	101.07		
15	45.00	230.40	8.0		94	7.074		4.25	2,28	76.17	60.45	86.70		
16	30.45	230.40	7.3		94	10.611		3.92	2.43	69.04	60.82			
17	27.05	216.00	7.3		94	42.444		4.07	2.16	73.02	61.47			
18	21.62	216.00	7.3		94			4.07	2.30	73.77	59.91			
19	18.64	216.00	7.3		91			5.94	1.66	75.49	60.38			
20	41.05	216.00	7.2		93	7.074		5.76	2.16	71.25	58.79	102.05		
21	37.54	216.00	7.3		94			3.91	2.11	70.94	58.72	101.20		
22	35.04	216.00	7.3		94	3.537		4.02	2.14	71.16	58.59	101.62		
23	43.40	216.00	7.3		94	14.148		3.36	2.23	72.51	60.66			
24	22.88	216.00	7.3		93	24.759		3.19	2.08	72.58	59.11			
25	15.63	216.00	7.3		93			3.92	2.09	77.36	57.84			
26	16.07	216.00	7.3		93			10.72	2.14	87.98	58.76	76.65		
27	40.38	216.00	7.3		90			4.80	2.13	71.80	59.24	94.20		
28	32.57	216.00	7.2		92			4.72	2.05	72.41	59.18	132.22		
29	29.55	216.00	7.3		90	21.222		3.96	2.17	72.88	58.24	117.36		
30	21.25	216.00	7.3		82	10.611		3.79	2.23	74.15	60.00	51.10		
31														
Avg.	28.53	223.68			94	20.852		4.73	2.24	75.46	59.14	92,97		
Max.	45.06	230.40	8.0		104	77.814		10.72	2.52	87,98	61.47	132.22		
Min.	14.58	216.00	7.0		82	0.000		3.19	1.66	69.04	57.45	0.00		
Data	30	30	30	0	30	19	0	30	30	30	30	16	0	0
Dara	30	30	30	U		19	U	50	50	30		10	U U	

Once completed, this form should be converted to a pdf document, named appropriately & attached to the corresponding netDMR for submittal

State For Name of F	rm 10829 (F	R4 / 01-20) Permit Num	L					1								
	acinty			Month		Year										
Elkhart	X	IN0025		Septe		20	22	-								
			Effluent	State Form	30530 				1	1	T	I	Ι	Τ	Γ	
	Chlo	oride		Vitrogen	-											
							٦L	/r	j/L	J/F		Γ	٦	\r		Ţ
Month	le - mg/l	Chloride - Ibs/day	Total Nitrogen- mg/l	Total Nitrogen- Ibs/day	Ag - Influent mg/l	Ag - Effluent mg/L	Cd - Influent mg/L	Cd - Effluent mg/L	CN - Influent mg/L	CN - Effluent mg/L	Cr - Influent mg/L	- Effluent mg/L	Cu - Influent mg/L	- Effluent mg/L	Hg - Influent ng/L	Hg - Effluent ng/L
Day Of Month	Chloride	Chloric	Total Ni	Total Ni	Ag - Infl	Ag - Effl	Cd - Infl	Cd - Eff	CN - Inf	CN - Eff	Cr - Infli	Cr - Effi	Cu - Infl	Cu - Eff	Hg - Infl	Hg - Effl
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13			18.40	1,852	0.0008	0.0002										
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31			10.40	1.950	0.0005	0.0002	0.0000	0.0000			0.0055	0.0000	0.0007	0.0000	04 4000	0.7400
Avg.			18.40	1,852		0.0002					0.0055	0.0002	0.0687	0.0092	21.4000	0.7100
Max. Min.			18.40	1852	0.0008	0.0002	0.0002	0.0002						0.0092		
Data	0	0							0	0						

### WASTEWATER TREATMENT PLANT

Elkhar	of Facility	Permit Numb	per	Month		Year		]								
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Day Of Month	Ni - Influent mg/L	Ni - Effluent mg/L	Pb - Influent mg/L	Pb - Effluent mg/L	Zn - Influent mg/L	Zn - Effluent mg/L										
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viax	0.0044	0.0081	0.0012	0.0010	0.0771	0.0200										
viii).	0.0044	0.0001	0.0012	0.0010	0.0111	0.0200						L		l		1
Data	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	



City:	Elkhart									Page	<u>1 of</u>	9	Induit 24	F	erm	it Number:	IN	025574	
Facility:	Elkhart P	ublic Wor	ks & Utilitie:	5	• ····· · · · · · · · · ·						F	Public No	tific	ation Requ	lrem	ients Met?	Y		
Monitor	ing Period	: Sep	tember	2022	50 (BH (0) - 10			196.000.00			E	nter "x" i	f no	CSO disch	arg	e occurred	for	the month	•
Design I	Peak Hour	ly Flow (M	AGD):	44	Design Av	erage Flow	(MGD):	20		Measured/	Met	ered (M) (	or E	stimated (E	i) mi	ust be spe	clfie	d	
WWTF	² Influent	Data		Pri	ecipitation E	Data			C	SO Outfall	No.	005		100000000	c	SO Outfall	No.	006	
Day of	Average Daily Flow	Peak Hourly Flow	Time Precip. Began	Precip. Duration	Total Daily Precip.	Peak Intensity	Measureme nt Interval (hr, 30 m,	Time Discharge	M or	Event Duration	M or	Event Discharg			M 70	Event Duration	M	Event Discharge	
Month 1	(MGD)	(MGD)	(am/pm)	(Hours)	(Inches)	(Inch/hr)	15 m)	Began	E	(Hours)	E	e (MG)	E	Began	E	(Hours)	E	(MG)	or
2	8.90	13.10					15 min				-				-		+		+
3	14.70	14.40					15 min										+		╀
	12.50	13.00					15 min												+
4	10.70	12.20					15 min										+-		+
5	10.40	14.50					15 min				-				-				╀
6	9.50	13.10					15 min												+
7	9,50	13.10					15 min								-				$\downarrow$
8	11.30	12.20					15 min										$\perp$		$\downarrow$
9	11.30	12.60					15 min						,						_
10	12.00	12.20					15 min												
11	13.00	26.10	5:19 AM	14.88	0.48	0.48	15 min												
12	12.40	13.60	9:37 AM	10.67	0.07	0.08	15 min												
13	13.80	13,80	10:39 AM	8,75	0,05	0.04	15 min												
14	12.60	12.60	12:37 AM	10.12	0.02	0.04	15 min												Т
15	11.50	11.70					15 min												T
16	8.90	14.10	6:47 AM	0.08	0.01	0.04	15 min												t
17	15.00	11.60	<u></u>	0,000			15 min												1
18	10.70	12.00					15 min						$\square$						╈
19	27.90	41.50	3:02 AM	0.87	0.98	3.32	15 min							3:33 AM	M	0.42	м	0.1363	м
20			4:42 AM											0.00 / 10	11/1	0.42		0.1000	
21	9.10	37.20		10.12	0.19	0.72	15 min										+		+
22	15.10	17.50	8:17 AM	3.62	0.18	0.40	15 min										-		╈
23	11.00	12.00					15 min						$\vdash$		-				+
23	11.40	12.10					15 min												+
	10.40	12.00					15 min				-								+
25 00	17.80	32.40	2:04 AM	20.42	1.04	1.20	15 min		_						ŀ		$\left  - \right $		+
26	11.40	23,80	5:32 AM	17,92	0.13	0.12	15 min												+-
27	11.80	12.60	12:22 AM	20,67	0,09	0,08	15 min				-								-
28	12.50	12.20					15 min												+-
29	10.60	12.00					15 min												1
30	11.40	12.20				1	15 min			100 (1990)									L
Fotals:	369.10			118.12	3,24			0	Da ys	0.00	10000	0		1	Da ys	0.42		0,1363	
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Signatu	re of Princ	ipal Exec	utive Officer	or Author	ized Agent				3993) (					Date (mm/	dd/y	y)	<u> </u>		
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### CSO Monthly Report of Operation (CSO MRO)

Slate Form 50546 (R4 / 9-15) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

			F ENVIRO	DNME	ENTAL MAI	VAG	EMENT							<b>1</b> 899			1975-9855			<u>}</u>				
	Elkhart		· · · · · · · · · · · · · · · · · · ·										Page	10					nit Number:	1	0025574	i de la compañía de la compañía de la compañía de la compañía de la compañía de la compañía de la compañía de l		
	Elkhart F		c Works	: & L	Jtilities										Public No	otific	ation Requ	iren	nents Met?	Y				
Monitor	ing Period		Septem	ber	2022						nu Magazi aya. S			STAN STANSI	Er	nter	"x" if no C	csc	discharge	<u>ə o</u>	curred f	<u>or tł</u>	<u>ne month</u>	<u>.</u> 1990
Design	Peak Flow	(Ho	urly) (MG	D):	44	1.Seat	Design Fl	ow	(MGD):		20	12.44.55	Measured/	Me	ered (M)	or E	stimated (I	<u>=) m</u>	ust be spec	lfle	d			
		CS	<u>O Outfall</u>	No.	007			<u>cs</u>	O Outfall	No.	008			CS	O Outfall	No.	009			<u>C:</u>	SO Outfal	<u>I No.</u>	011	
Day of Month	Time Discharge Began	Mor	Event Duration (Hours)	M or F	Event Discharge (MG)	M	Time Discharge Began	More	Event Duration (Hours)		Event Discharge (MG)	M or E		Mor	Event Duration (Hours)	Mor	Discharge	M or E	Time Discharge Began	M or F			Event Discharge (MG)	n N or
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20	3;42 AM	IVI	1.33	M	0.2241		3:29 AN		0.25		0.0138	IVI	3:45 AIVI		1.25		0.0282		3:29 AW	IVI	0.33		0.0253	M
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Totals:	1	Da ys	1,33		0.2241		1	Da ys	0,25		0.0138		1	Da ys	1,25		0,0282		1	Da ys	0.33		0.0253	



CSO Monthly Report of Operation (CSO MRO) State Form 50548 (R4 / 9-15) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

33335533	Elkhart												Page	3 of	9		P	)ern	nit Number:	IN	0025574			
Facility:	Elkhart P	ubli	c Works	8,1	Utilities									Ρι	ublic Notifi	ical	tion Requ	Iren	nents Met?	Y				
Monitor	ing Period		Septem	ber	2022										Ente	r"	'x" if no C	sc	) discharge	9 00	curred f	or th	e month:	
Design	Peak Flow	(Ho	urly) (MG	D):	44		Design Fl	ow	(MGD):		20		Measured/	Met	ered (M) o	rЕ	stimated	(E) i	must be sp	ecif	ed			
		CSC	Outfall	<u>No.</u>	012			cs	O Outfall	No.	013			cso	D Outfall N	lo.	14B			<u> </u>	SO Outfal	l No.	015	
Day of Month	Time Discharge Began	щ с М	Event Duration (Hours)	Mor	Event Discharge (MG)	Mor		Mor	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Discharge	Moru	Event Duration (Hours)	Mor	Event Discharge	Mor		M	Event Duration (Hours)	M	Event Discharge (MG)	M or E
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20	3:37 AM	M	0,50	M	0.0203	M	3:37 AM	M	0.33	M	0.0544	M						$\left  \right $	3:42 AM	M	0.67	M	0.0799	M
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CSO Monthly Report of Operation (CSO MRO) State Form 50546 (R4 / 9-15) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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1999 Constant		Neter de Co														011210	Contraction of the second		nents Met?	n de la				
	ing Period	932.11	Septem		2022				u obliga		enerer de pa	969290						200	discharge	2443		<u>ər m</u>	e monu	Navas
Design	Peak Flow	(daaddy)		1209	44		Design Fl	994 (S		0.1823. 0.16290	20		Measured	In the second				<u>e) n</u>	iust be spe 					H.S.O.
	San San Singles Spinsche Uter		<u>O Outfall</u>	No.	016				O Outfall	NO.	017	ingan Asiat			<u>O Outfall</u>	No,	018				<u>SO Outfall</u>	No.	019	
Day of Month	Time Discharge Began	M or F	Event Duration (Hours)	M or F	Event Discharge (MG)	M	Time Discharge Began	Mor	Event Duration (Hours)	M or F	Event Discharge (MG)	M or F	Time Discharge Began	M or F		M or F	Discharge	M or E	Discharge	M OI F		M	Event Discharge (MG)	• M or I
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### National Pollutant Discharge Elimination System (NPDES) CSO Monthly Report of Operation (CSO MRO) State Form 50546 (R4 / 9-15) NDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

	DEPARTME	NTC	FENVIRO	ONME	ENTAL MAN	VAG	EMENT						ASSESSION OF	0.88				499						
City:	Elkhart												Page						nit Number:		0025574 T	dilan		51.563
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Monitor	ring Period		Septem	ber	2022										Ent	er '	<u>'x" if no C</u>	so	discharge	00	curred f	or th	e month	
Design	Peak Flow	(Ho	urly) (MG	<u>D):</u>	44	1.25	Design Fl	low	(MGD):		20	1365	Measured/	Met	ered (M)	or E	<u>stimated (</u>	<u>E) n</u>	ust be spec	cifie	ed			
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Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	Mor	Discharge	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E			Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began		Event Duration (Hours)			a M or
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# CSO Monthly Report of Operation (CSO MRO) State Form 50546 (R4 / 9-15) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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No. 199	Peak Flow				44		Design Fi	ow	(MGD):		20		Measured/	Met		9089) 1		New	ust be spe	Side	antan kan			
		1945	O Outfall						O Outfall	No.	ì				O Outfall		ŝ				SO Outfal	l No.	029	
Day of	Time Discharge	M	Event	M	Event	M	Time Discharge	M	Event	M	Event	Mor	Time Discharge	M	Event	M	Event	M	Time Discharge	M	Event		Event	M
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# CSO Monthly Report of Operation (CSO MRO) State Form 50546 (R4 / 9-16) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

	Elkhart				NTAL MAI								Page 7	′ of	9			Pern	nit Number:	IN	0025574			
Facility	Elkhart P	ubli	c Works	8.L	Jtilities									Sec.	Charles participation	ifica	ation Requ	lirer	nents Met?	Y				
Williams	ing Period		Septem		2022														discharge		curred f	or th	e month:	1000
Design	Peak Flow	(Ho	urly) (MG	D):	44		Design Fl	ow	(MGD):		20		Measured/	Met	ered (M) o	or E	stimated (	Е) п	ust be spe	cifie	əd			
		CS	O Outfall	No.	031				O Outfall	No.	032		s <u>e</u> nset d	CS	O Outfall	No.	033			C	SO Outfal	l No.	034	
Day of Month	Time Discharge Began	M or E	Event Duration (Hours)	Mor	Event Discharge (MG)	M	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began	M or E	Duration	M or E	Event Discharge (MG)	• M
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20		-				-	3:29 AM	M	0.50	М	0.0274	M	3:43 AM	IVI	0.42	M	0,0825	IVI	3:29 AM	IVI	0.17	М	0.0097	M
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# CSO Monthly Report of Operation (CSO MRO) State Form 50546 (R4 / 9-16) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

	DEPARTME		JF ENVIRO	JNME	INTAL MA	VAG	EMENT				· · · · · · · · · · · · · · · · · · ·			-						ġ				
<u>City:</u>	Elkhart												Page I		Mer Maneter	Mili			nit Number:	ē.	0025574			
Facility	Elkhart P	ubli	c Works	; & L	Jtilities		10010 States			1254	neediaani			P	ublic Not	ifica	ation Regu	lirer	nents Met?	Y				
Monitor	ring Period		Septem	ber	2022										Ent	er ''	x" if no C	so	discharge	<del>)</del> 00	curred fo	or th	e month:	í Istori
Design	Peak Flow	<u>(Ho</u>	urly) (MG	iD):	44	DAD	Design Fl	ow	(MGD):		20	142040	Measured/	Met	ered (M) o	pr E	stimated (	<u>E) n</u>	nust be spe	cìfie	ed			
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Day of Month	Time Discharge Began	Mor	Event Duration (Hours)	M or	Event Discharge (MG)	Mor	Time Discharge Began	Mor	Event Duration (Hours)	M or E		M or E		M or E		M or E	Event Discharge (MG)	M or E					Event Discharge (MG)	M
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City: Eikhart	Page: 9 of 9 Permit Number: IN0025574
Facility: Elkhart Public Works & Utilities	Public Notification Requirements Met? Y
Monitoring Period: September 2022	Enter "x" If no CSO discharge occurred for the month:
Design Peak Hourly Flow (MGD): 44 [Design Average Flow (MGD):	20
Day of Month Comments (further explanation as to why each CSO event occurred)	
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2 3	
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6	
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11 precipitation	
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24	
25 precipitation	
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Typed or Printed Name and Title of Principal Executive Officer or Authorized Agent	Telephone
Laura E. Kolo, Utilities Services Mar	
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY G/ NQUIRY OF THE PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECT SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AN	ATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY I'LY RESPONSIBLE FOR GATHERING THE INFORMATION; THE INFORMATION
SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRIS	·······
Signature of Principal Executive Officer or Authorized Agent	Date (mm/dd/yy)
laura tob)	10/26/22



**BYPASS / OVERFLOW INCIDENT REPORT** 

D PM

State Form 48373 (R7 / 4-16) Indiana Department of Environmental Management Office of Water Quality

INSTRUCTIONS: Complete all parts of this form and email signed copies to <u>wwreports@idem.IN.gov</u>. Submittal of this report will satisfy the Office of Water Quality (OWQ) telephone and written bypass/overflow reporting requirements of your NPDES permit. Please use and the second page of this form as necessary to identify separate locations caused by the same event. If you have any questions while filling out the report form, please contact Renee Repar at (317) 232-6770 or rrepar@idem.in.gov.

To report a spill or if the release is resulting in a fish kill or other severe environmental damage, immediately report the release to the Emergency Response Section spill response line at: (317) 233-7745 or toll free within Indiana at (888) 233-7745.

					L INFORMATI		<u> : : : : : : : : : : : : : : : : : : :</u>				
(1) Facility Na	me (Organization)		(2) Mailing A	ddress (re	porting organiz	zation)	(3)	Count	/	(4) NPDE	S Permit
Elkhart Pu	ublic Works		1201 S. N	Nappan	ee Street		Ell	kharl		IN0002	25674
	·····································				RMATION (Lo	ocation 1)					
(5) Outfall Number	(6) Date <i>(mm/dd/yy)</i> a Release Began		(7) Date <i>(mm/dd/yy)</i> Release Stopped		(8) Location of	Release (street tation, Force M			₋atitude g Min Sec)	(9) Longitu (Deg Min	
035	9/19/22 9:42		9/19/22 12:00	□ AM ☑ PM	1119 N M				41' 52.3674"		
	of Flow Released	-	ays provide a volu	,			low During Rel	ease	(12) WWTP P		Flow Rate
Check one:	<pre> <u>     Estimated     Li     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /     /  </u></pre>	Actual	unknown (			12.0 MGI		1	44.0 MGI	<u>ر</u>	
Sanitary S Treatment Prohibited	ewer Overflow Bypass <i>(al wastewa</i> Combined Sewer Ov er Combined Sewer Sewer System Relea	verflow Overflow	Noi		any damage to	o aquatic me c	or receiving s	lream			
(15) Reason f	or Bypass / Overflow	(Select on	,			<b></b>					
Constructio		Power Failu							Precipita		Inches
(16) System C (Select one or Manhole House Late Pipe Failur Pump Stati Treatment Other Influent Str Air Relief V Sewer Clear	more.) eral e Bypassed ucture /alve n Out	apart truck flowir	Additional Descrip Ien View Senior A tment manager en : was mobilized an ng by 12:00 pm	naield Pub	olic Works us a	t 9:42am Pur	nper	eck all ffected aseme ccurre eache eache e of R	ption of the Arr that apply.) I Private Prope nt Backup d at Treatmen d Public Land d Receiving W eceiving Water	erty t Plant /ater	
Describe Othe Sewer Main E	er: <i>(in the box below)</i> Blocked										
· /	l organizations notifie	_ •			,						
DEM Eme	rgency Response	Health	Dept.	DNR Fis	h and Wildlife	Local E	mergency Ma	anage	ment 🔲 Oth	er:	n/a
		lusters as N	Alalanda Davana i				ff				
(Select one or Removed I An emergence	aken to Prevent, Min more of the followin Blockage ☐ Rep y response company gged manhole and th	<i>g, then add</i> aired Pipe / was empl	d a written descrip Repaired P loyed by the apart	otion.) ump Statio tment com	on 🗹 Othe plex to clean th	r Lime he affected ap	Clea		Debris Iallways. The	City clean	ed and
(21) Resolutio	n: Actions Taken or I	Planned to	Prevent Recurrer	nce							
(22)											
			·		ON AND SIGN						
designed to as manage the sy belief, true, ac	penalty of law that th ssure that qualified p ystem, or those perso curate, and complete for knowing violation	ersonnel p ons directly e. I am awa	roperly gather and y responsible for g vare that there are area below is for a	d evaluate jathering ti significan a <i>handwrit</i>	the information he information, t penalties for s <i>ten signature</i> o	n submitted. I the informations submitting fals	Based on my on submitted se information	/ inquir   is, to n, inclu	y of the perso the best of my iding the poss	n or persor knowledge ibility of fin	ns who e and ne and
SIGNATURE:	- Lynn-Brabe	<del>∋c</del>	Digitally signed			una 1	KUDA -		month, day, ye	9/20	/22
	g Report (printed)		phone Number	Contac	0			. dav. v	ear) / Time IDEN	A Notified	
Laura Kolo	2 · · · · F - · · / F · / · / · · · · · · · · · · · ·		42932572		.kolo@coei	.org	9/20/22				M AM

### Kolo, Laura

From:	postmaster@state.in.us
Sent:	Tuesday, September 20, 2022 12:00 PM
То:	Kolo, Laura
Subject:	EXTERNAL: Relayed: inc rpt
Attachments:	EXTERNAL: Relayed: inc rpt

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Complete all parts of this form and email signed copies to <u>wwreports@idem.IN.gov</u>. Submittal of this report will satisfy the Office of Water Quality (OWQ) telephone and written bypass/overflow reporting requirements of your NPDES permit. Please use and the INSTRUCTIONS: second page of this form as necessary to identify separate locations caused by the same event. If you have any questions while filling out the report form, please contact Renee Repar at (317) 232-6770 or rrepar@idem.in.gov.

To report a spill or if the release is resulting in a fish kill or other severe environmental damage, immediately report the release to the Emergency Response Section spill response line at: (317) 233-7745 or toll free within Indiana at (888) 233-7745.

·.				GENERA	L INFORMATIO	NC					
(1) Facility Na	me (Organization)		(2) Mailing A	ddress <i>(re</i>	porting organiz	ation)	(3) (	County		(4) NPDE	S Permit
Elkhart Pu	iblic Works		1201 S. M	Vappan	ee Street		Elk	hart		IN0002	25674
					RMATION (Lo	cation 1)					
(5) Outfall Number	(6) Date <i>(mm/dd/yy)</i> Release Began	and Time	(7) Date (mm/dd/yy) Release Stopped		(8) Location of I Manhole, Lift St	Release (street		(9) Lati (Deg M		(9) Longit (Deg Min	
035	9/26/22 4:50	□ AM ☑ PM	9/26/22 7:11	I AM	7612 S. W			1	40 48N		3 00W
	f Flow Released	•	ways provide a volu			•	ow During Rele	· · ·	12) WWTP P	0	Flow Rate
Check one;		Actual	unknown (			12.0 MGI		1 -	4.0 мб	D	
Sanitary Se Treatment Prohibited Dry Weath Combined	Bypass <i>(at wastew</i> Combined Sewer C er Combined Sewe Sewer System Rele	verflow Overflow ase	) ,		any damage to	aquatic life o	or receiving st	ream:			
(15) Reason fo	or Bypass / Overflow	v (Select o Power Fa	•					·. F	<b>-</b>		
(16) System C (Select one or Manhole House Latte Pipe Failur Pump Stati Treatment Other Influent Str Air Relief V Sewer Clea Describe Othe	omponent(s) more.) e on Failure Bypassed ucture /alve n Out r: <i>(in the box below</i>	(17) Bac mai retu	ilure ☐ Equipme ) Additional Descrip Skup at 7612 S Woo in found plugged wt irne to noramal at 7	tion of the odward. N ih wipes.	Bypass / Over lanhole MH-00	low Event: 006365 full ar	Nd (Che V <b>V</b> Aft Ba Oc Re Re	Description ck all that fected Prosement sement courred a eached P eached R	on of the Ar at apply.) rivate Prope	ea Impact erty it Plant /ater	
Sewer main p	lugged with wipes	/									
<u>·</u> ·	l organizations notif rgency Response	ied by faci ☐ Healti	ility, if necessary <i>(S</i> h Dept.	_	o <i>r mor</i> e.) sh and Wildlife	Local Er	mergency Ma	nageme	nt 🗌 Oth	er:	n/a
(20) Actions T	aken to Prevent, Mi	nimize, or	Mitigate Damage in	ncluding C	lean-up and Tr	eatment of Af	ffected Area				
(Select one or Removed E An emergenc	more of the followin Blockage	ng, then ac aired Pipe y was em	dd a written descrip e	<i>tion.)</i> ump Statio ment com	on 🗹 Other plex to clean th	· Lime le affected ap	Clear artments and	-Up Det the hall	oris ways. The	City clean	ed and
(21) Resolutio	n: Actions Taken or	Planned t	to Prevent Recurrer	ice							
(22)											
					ON AND SIGNA						
designed to as manage the sy belief, true, ac	sure that qualified provident of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	bersonnel cons direct ce. I am av ns. ( <i>The</i>	nent and all attachm properly gather and tly responsible for g ware that there are a area below is for a	l evaluate athering t significan <i>handwrit</i>	the information he information, t penalties for s <i>ten signature</i> of	n submitted. E the informatic submitting fals r an electronic	Based on my on submitted i se information	inquiry o is, to the , includir	of the perso best of my ng the poss	n or perso knowledg ibility of fir	ns who je and ne and
SIGNATURE:	Lynn Brab	ec	Digitally-signed	u by Lynn t 17 14:34:0	Frabee UU	·	D	ATE (mo	nth, day, ye	_{ear):} 9/27	/22
	g Report (printed)		ephone Number 742932572	Contac		org	Date (month, 9/27/22 a	day, year)	) / Time IDEN	Notified	

### Kolo, Laura

From:	postmaster@state.in.us
Sent:	Tuesday, September 27, 2022 12:13 PM
То:	Kolo, Laura
Subject:	EXTERNAL: Relayed: inc rpt
Attachments:	EXTERNAL: Relayed: inc rpt

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# Signing Process Confirmation - CDX Activity ID: _28f59326-22dd-444c-818d-39198ba04a2f

Your DMRs are undergoing the Signing Process

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Permit ID Facility	Permitted Feature	Discharge #	Discharge Description	<b>Monitoring Period End Date</b>	DMR Due Date
IN0025674 ELKHART WWTP	005	005-C	CSO- ARCH/BAR, NW OF INTERSECTION	10/31/22	11/28/22
IN0025674 ELKHART WWTP	006	006-C	CSO- JACKSON, N OF BRIDGE, W OF ELKHART RIVER	10/31/22	11/28/22
IN0025674 ELKHART WWTP	007	007-C	CSO- JACKSON, N OF BRIDGE, E OF ELKHART RIVER	10/31/22	11/28/22
IN0025674 ELKHART WWTP	008	008-C	CSO- HUG/EAST BLVD	10/31/22	11/28/22
IN0025674 ELKHART WWTP	600	009-C	CSO- NIBCO PRKWY - FKA JR. ACHIEVEMENT (Y DR N)	10/31/22	11/28/22
IN0025674 ELKHART WWTP	011	011-C	CSO- ELKHART/FRANKLIN	10/31/22	11/28/22
IN0025674 ELKHART WWTP	012	012-C	CSO- CASSOPOLIS/BEARDSLEY	10/31/22	11/28/22
IN0025674 ELKHART WWTP	013	013-C	CSO- JOHNSON/BEARDSLEY	10/31/22	11/28/22
IN0025674 ELKHART WWTP	014	014-C	CSO- DAM AT CONE/ERWIN	10/31/22	11/28/22
IN0025674 ELKHART WWTP	015	015-C	CSO- MICHIGAN/FULTON	10/31/22	11/28/22
IN0025674 ELKHART WWTP	016	016-C	CSO- DAN @ GOSHEN/SUPERIOR	10/31/22	11/28/22
IN0025674 ELKHART WWTP	017	017-C	CSO- W. BOULEVARD/MCNAUGHTON	10/31/22	11/28/22
IN0025674 ELKHART WWTP	018	018-C	CSO- MCNAUGHTON PARK WEST	10/31/22	11/28/22
IN0025674 ELKHART WWTP	019	019-C	CSO-MICHIGAN @ RVR, S. OF LEX.	10/31/22	11/28/22
IN0025674 ELKHART WWTP	020	020-C	CSO- BRIDGE AND HUDSON	10/31/22	11/28/22
IN0025674 ELKHART WWTP	023	023-C	CSO- FRANKLIN/8TH	10/31/22	11/28/22
IN0025674 ELKHART WWTP	024	024-C	CSO- INDIANA/FRANKLIN	10/31/22	11/28/22
IN0025674 ELKHART WWTP	025	025-C	CSO- POTTAWATOMI/SECOND	10/31/22	11/28/22
IN0025674 ELKHART WWTP	026	026-C	CSO- MAIN/POTTAWATOMI	10/31/22	11/28/22
IN0025674 ELKHART WWTP	027	027-C	CSO- EDGEWATER/NAVAJO	10/31/22	11/28/22
IN0025674 ELKHART WWTP	028	028-C	CSO- WASHINGTON AT RIVER	10/31/22	11/28/22
IN0025674 ELKHART WWTP	029	029-C	CSO- JEFFERSON AT THE RIVER	10/31/22	11/28/22
IN0025674 ELKHART WWTP	031	031-C	CSO- ELIZABETH/LUSHER	10/31/22	11/28/22
IN0025674 ELKHART WWTP	032	032-C	CSO- EDGEWATER/OKEMA	10/31/22	11/28/22
IN0025674 ELKHART WWTP	033	033-C	CSO- EVANS/GRACE	10/31/22	11/28/22

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(N0025674 ELk L WWTP 034	034-C	CSO- I EXINGTON/6TH	10/31/22	11/28/22
IN0025674 ELKHART WWTP 035	035-A	20 MGD CLASS IV ACTIVATED SLUDGE - TO ST JOSEPH RIVER 10/31/22	IVER 10/31/22	11/28/22
	037-C	CSO- FRANKLIN/KRAU	10/31/22	11/28/22
IN0025674 ELKHART WWTP 039	039-C	CSO- WEST HIGH AT RIVER	10/31/22	11/28/22
IN0025674 ELKHART WWTP 040	040-C	CSO- MCNAUGHTON PARK SOUTH	10/31/22	11/28/22

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		🖋 View Certific	🛷 View Certification   🐺 Download COR	COR				
DMR Copy of Submission	mission							
Permit								
Permit ID:	IN0025674	Major:						
Permittee:	ELKHART WWTP	Permittee Address:	229 SOUTH 2ND ST ELKHART , IN46516	5T 16				
Facility:	ELKHART WWTP	Facility Location:	1201 S NAPPANEE ST ELKHART , IN46516	= ST 16				
Permitted Feature:	035 - External Outfall	Discharge:	035-A - 20 MGD	035-A - 20 MGD CLASS IV ACTIVATED SLUDGE - TO ST JOSEPH RIVER	TO ST JOSEPH	RIVER		
Report Dates & Status								
Monitoring Period: Status:	From 10/01/22 to 10/31/22 NetDMR Validated	DMR Due Date:	11/28/22					
<b>Considerations for Form Completion</b> THE FLOW METER(S) SHALL BE CALJBR/ COUNTY	<b>Considerations for Form Completion</b> THE FLOW METER(S) SHALL BE CALIBRATED AT LEAST ONCE EVERY TWELVE COUNTY	E EVERY TWELVE MONTH	S. REPORT QUARTERLY	MONTHS. REPORT QUARTERLY PARAMETERS ON 035-AQ NETDMR. MUNICIPAL MAJOR ELKHART	R. MUNICIPAL	MAJOR	ELKHART	
Principal Executive Officer	icer							
First Name:	Laura	Last Name:	Kolo					
Title:	Utility Services Manager	Telephone:	574-293-2572					
No Data Indicator (NODI) Form NODI:	-							
Parameter	NODI Quantity or Loading	- Loading		Quality or Concentration		-	Freq. of	Smpl.
Code Name	Value 1	Value 2 Units	Value 1	Value 2 Value 3	Units	ĒX. Ar	Analysis	Type
00300 Oxygen, dissolved [DO]	Smpl.	11	=7.4		19 - mg/L	0	01/01 - Daily	3R - 3GR24H
						01	01/01 -	3R -
NODI: -	Keq. NODT		>=4.0 DLYAVMIN		19 - mg/L	D		3GR24H
00400 <b>pH</b>	Smol.		=7.1	7.7=	12 - SU	0		GR -
1 - Effluent Gross							Daily	GKAB
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1	ı		<b>3</b>							•	•
Code		Value 1	Value 2	Units Ju	lue 1	Value 2	Value 3	Units	τ. Υ	Sis	Iype
Season: 0	Req.			>=6.0 DAILY MN	ΊΓΥ ΜΝ		<=9.0 DAILY MX	12 - SU		01/01 - Daily	GR - GRAB
IDON	IGON										
00530 <b>Solids, total</b> suspended 1 - Effluent Gross	Smpl.	=730.0	=971.0	26 - Ib/d		=7.0	0.0=	19 - mg/L	o	01/01 - Daily	24 - COMP24
Season: 0	Req.	<=7511.0 MO AVG	<=11266.0 MX WK AV	26 - lb/d	V	<=30.0 MO AVG	<=45.0 MX WK AV	19 - mg/L		01/01 - Daily	24 - COMP24
NODI: - 00600 Nitrogen, total	IGON										
<b>[as N]</b> 1 - Effluent Gross	Smpl.	=2139.0		26 - lb/d	H ·	=23.4		19 - mg/L	0	01/30 - Monthly	24 - COMP24
Season: 0	Req.	Req Mon MO AVG		26 - Ib/d	ž	Req Mon MO AVG		19 - mg/L		01/30 - Monthly	24 - COMP24
IDON	IGON					-					
00610 <b>Nitrogen,</b> ammonia total [as N] 1 - Effluent Gross	Smpl.	=88.0	=908.0	26 - Ib/d		=0.81	=6.51	19 - mg/L	o	01/01 - Daily	24 - COMP24
Season: 1	Req.	<=1051.0 MO AVG	<=2478.0 DAILY MX	26 - Ib/d	V	<=4.2 MO AVG	<=9.9 DAILY MX	19 - mg/L		01/01 - Daily	24 - COMP24
- :IDON	IGON										
00665 <b>Phosphorus,</b> total [as P] 1 - Effluent Gross	Smpl.	=96.0		26 - lb/d	II	=1.0		19 - mg/L	0	01/01 - Daily	24 - COMP24
Season: 0	Req.	Req Mon MO AVG		26 - Ib/d	<b>V</b>	<=1.0 MO AVG		19 - mg/L		01/01 - Daily	24 - COMP24
NODI: -	IGON										
01079 Silver total recoverable 1 - Effluent Gross	Smpl.	<0.024	<0.028	26 - Ib/d	V	<0.0002	<0.0002	19 - mg/L	0	01/07 - Weekly	24 - COMP24
Season: 0	Req.	Req Mon MO AVG	Req Mon DAILY MX	26 - Ib/d	Ř	Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L		01/07 - Weekly	24 - COMP24
IODI:	IDON										
01079 <b>Silver total</b> recoverable G - Raw Sewage Influent	Smpl.				V	<=0.0004	=0.00058	19 - mg/L	0	02/DM - Twice Every Month	24 - COMP24

	1								4		
Code		Value 1	Value 2	Units	<b>, lue 1</b>	Value 2	Value 3	Units	ь Х	Sis	Iype
Season: 0	Req.					Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L		02/DM - Twice Every	24 - COMP24
- :IOON	IDON										
50050 Flow, in conduit or thru treatment plant	Smpl.	=12.33		03 - MGD					0	01/01	TM - TOTAL Z
1 - Effluent Gross											
Season: 0	Req.	Req Mon MO AVG		03 - MGD						01/01 - Daily	TM - TOTALZ
NODI: -	IDON								-		
51041 E. coli, colony forming units [CFU]	Smpl.					=27.0	=101.0	3Z - CFU/100mL	0	01/01 - 0 Dailv	GR - GRAB
1 - Effluent Gross									•		
Season: 1	Reg.					<=125.0 MO GEO	<=235.0 DAILY MX	3Z - CFU/100mL		01/01 - 1 Daily	GR - GRAB
NODI: -	IDON										
71901 Mercury, total recoverable 1 - Effluent Gross	Smpl.					=1.33	=0.71	3M - ng/L	0	01/60 - Once ( Évery 2 ( Months	GR - GRAB
Season: 0	Req.					<=1.6 ANNL AVG	Req Mon DAILY MX	3M - ng/L	с <b>у ш 2</b>	01/60 - Once Every 2 ( Months	GR - GRAB
- :IOON	IDON	- - - - -								-	-
71901 Mercury, total recoverable G - Raw Sewage Influent	Smpl.						=21.4	3M - ng/L	0	01/60 - Once ( Every 2 ( Months	GR - GRAB
Season: 0	Req.						Req Mon DAILY MX	3M - ng/L		01/60 - Once ( Every 2 ( Months	GR - GRAB
- :IOON	IDON		-								
80082 BOD, carbonaceous [5 day, 20 C]	Smpl.	=318.0	=356.0	26 - Ib/d		=3.0	=3.0	19 - mg/L	0	01/01 - 2 Daily 0	24 - COMP24
1 - Effluent Gross											
Season: 0	Req.	<=6259.0 MO AVG A	<=10014.0 MX WK AV	26 - Ib/d		<=25.0 MO AVG	<=40.0 MX WK AV	19 - mg/L	00	01/01 - 5 Daily 0	24 - COMP24
IDON	IOON										

									ysis	Type
Code h	Value 1	Value 2	Units	lue 1	Value 2	Value 3	Units	Ex.		
81012 Phosphorus, total percent removal	Smpl.		=77.4	7.4			23 - %	1 01/3 Mon	01/30 - 0 Monthlv 0	CA - CALCTD
K - Percent Removal										
Season: 0	Reg.		. A	>=75.0 MO AV MN			23 - %	01/3 Mon	01/30 - 0 Monthly 0	CA - CALCTD
- :IOON	IQON									•
82220 Flow, total 1 - Effluent Gross	Smpl.	=382.0	80 - Mgal/mo					0 01/30 - Monthly		RT - RCOTOT
Season: 0	Reg.	Req Mon MO TOTAL	80 - Mgal/mo					01/30 - Monthly		RT - RCOTOT
- :IOON	IOON			:						
Edit Check Errors No errors. Comments Mercury was sampled in Attachments	<i>Edit Check Errors</i> <i>No errors.</i> <i>Comments</i> Mercury was sampled in September per NPDES IN 0025674 permit <i>Attachments</i>	0025674 permit				·				
Name					Type		Size			-
IN0025674_035a_MR0_2022_10.pdf IN0025674_CS0_MR0_2022_10.pdf IN0025674_INC_RPT_2022_10.pdf	2022_10.pdf 022_10.pdf 22_10.pdf				pdf pdf		884226.0 1293494.0 112914.0			
Report Last Saved By										
ELKHART WWTP										
User:	Payton88									
Name:	Laura Kolo									
E-Mail:	laura.kolo@coei.org	si.org								
Date/Time:	2022-11-23 14	2022-11-23 14:00 (Time Zone:-05:00)	(0							
Report Last Signed By										

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ingela cinint

User: Name: E-Mail: Date/Time:

2022-11-23 14:53 (Time Zone:-05:00)

laura.kolo@coei.org

Payton88 Laura Kolo



Day Of Month Day of Week

1 Sat 2 Sun 3 Mon 4 Tue 5 Wed 6 Thu 7 Fri 8 Sat 9 Sun 10 Mon 11 Tue 12 Wed 13 Thu 14 Fri 15 Sat 16 Sun

1.11.1

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17 Mon 18 Tue 19 Wed 20 Thu 21 Fri 22 Sat 23 Sun 24 Mon 25 Tue 26 Wed 27 Thu 28 Fri 29 Sat 30 Sun 31 Mon Average Maximum Minimum

# of Data

imprisonment for knowing violations.

### MO AC. WA

										Name of Fac	ility				Permit Nun	nber		·····
	UE STA	TE	MON	ты у		דםר			. KT	Elkhart	•				INIOO254	274		
6		24 E						ERATIO	'N	Month		Year		Plant Des			e Number	·····
Ĭ		A					TYPE								-			
	<u>_</u> _	<b>9</b> 7	WAS'	TEWA	TER 1	TREA	TMEN	Γ PLAN	Т	October		2022		20.00	) mgd	5	74/293	-2572
.,	18 181	6	State For	m 10829 (	R4/01-2	20)				E-mail add			olo@coei.o				035	A
										Certified Ope		me		Class	Certificate			ration Date
			1	7-4-1-			<u></u>	IEMICA	6	Laura E.	Kolo			IV	150	)94	06/3	30/2023
				Total= 4.92			Gr	USED	Lə				RAV	V SEW/	AGE			
		Δ	<u>_</u>		<u>ب</u>	নি			ay						T	T		
		Man-Hours at Plant (Plants less than 1 MGD only)	Air Temperature (optional)		Bypass At Plant Site("x" If Occurred)	Sanitary Sewer Overflow("x" If Occurred)		Ferrous Chloride Lbs/Day or Gal./Day	Gal./Day									
	운	Plant 1 MG	bt	Precipitation - Inches	) ite	Sanitary Sewer flow("x" If Occu		چ لک	Ga					_	Susp. Solids - Ibs/day	_		
	Day of Week	Man-Hours at lants less than only)	<u>ه</u>	luci	At Plant S Occurred)	5 Se	Chlorine - Lbs/day	hloride Ll Gal./Day	Ъ	influent Flow Rate (if metered) MGD			ay	Susp. Solids - mg/l	ps/	Phosphorus - mg/l		
	of	ours a ss tha only)	atu		cur Cur	Σ"×	/sq	al.	Š	Influent Flow Rate (if metered) MGD		₩ N ⁰	CBOD5 - lbs/day	<u> </u>	- -		Ammonia - mg/l	
r	ay	-Hc les	Sec	tio	8 Å	w.		с С С С С С С С С	Lbs/Day	ed)		CBOD5 - mg/l	<u> </u>	bild	lids	SDI	- -	
		lan nts	l La	pite	ISS	Sel	ine	Snc	٩̈́	ter		32	32	N N	N N	oho	oni	
		Pa Pa	1 1 1	eci	ypa	)ve	lor	erro		llue me	-	l Ög	l Ö	lsp.	lsp.	Iso	ũ	
		· ·	Ā		Ш Ш		<u>ن</u>				Hd							
1	Sat			0.00				285		10.220	7.6	154	13,105	152	12,956	4.51	18.16	
2	Sun			0.00				292		10.530	7.6	116	10,202	84	7,377	4.97	19.40	
ځ ۸	Mon			0.00				456		11.380	7.6	98	9,317	176	16,704	3.97	20.40	
4 5	Tue			0.00				403 313		10.660	7.8 7.6	147 130	13,082	144 152	12,802	4.86	21.56 21.16	
ีย ค	Wed			0.00				313		10.280	7.6	130	12,378 11,576	208	14,426	4.48	21.16	
7	Thu			0.00				319		10.280	7.5	168	14,629	186	16,210	6.46	22.20	
י 8	Fri Set			0.00				304		9.817	8.0	132	10,766	106	8,679	4.92	20.48	u
9	Sat Sun			0.00				310		8.867	7.8	103	7,627	74	5,472	3.88	13.96	
0	Mon			0.00				310		10.080	7.5	116	9,760	162	13,619	4.52	20.32	
1	Tue			0.35				310	***	11.680	7.5	145	14,144	240	23,379	6.43	18.84	
2	Wed			0.11				310		10.620	7.7	118	10,482	196	17,360	4.41	19.80	
3	Thu			0.02				325		10.470	7.6	171	14,905	222	19,385	5.03	21.16	
4	Fri			0.16				298		10.360	8.1	176	15,241	196	16,935	5.41	21.36	
5	Sat			0.25				298		10.980	7.2	121	11,090	218	19,963	5.05	14.36	
6	Sun			0.00				312		9.140	7.5	132	10,045	72	5,488	3.26	17.00	
7	Mon			1.35				395		17.470	7.6	96	13,958	138	20,107	3.46	13.84	
8	Tue			0.65				300		15.510	7.7	86	11,179	138	17,851	2.80	12.76	
9	Wed			0.21				760		12.280	7.4	82	8,408	130	13,314	3.73	16.84	
0	Thu			0.00						10.890	7.6	236	21,470	148	13,442	4.28	19.96	
1	Fri			0.00				286		10.720	7.4	152	13,572	122	10,907		20.92	
2	Sat			0.00				299		9.933	7.7	149	12,314	80	6,627	4.07	18.68	
3	Sun			0.00		~		258		10.260	7.6 7.6	97	8,328	100	8,557	3.74	18.36	
4	Mon			0.68		_X		289 295		10.730 13.590	7.6	142 168	12,718 19,002	144 196	12,886	4.41	19.64 17.28	
6	Tue Wed			0.00				295		14.640	7.5	100	12,317	132	16,117	3.96	17.20	
7	Thu			0.02				200		11.108	7.6	159	14,765	152	14,637	5.05	33.72	
8	Frì			0.02				298		10.700	7.5	188	16,732	156	13,921	5.15	30.00	
9	Sat			0.00				304		9.800	7.4	81	6,589	128	10,462	3.82	24.16	
0	Sun			0.10				292		10.300	7.7	111	9,494	108	9,277	3.02	20.20	
1	Mon			0.92				289	****	15.000	7.7	129	16,167	188	23,519	3.48	15.60	
er	age			0.16				326		11.285		134	12,431	150	14,272	4.43	19.64	
	imum			1.35				760		17.470	8.1	236	21,470	240	23,519	6.46	33.72	
i	num			0.00				258		8.867	7.2	81	6589	72	5472	2.80	12.76	
					1							r	1		1	r		
f	Data	<u>ند ا</u>	0	11	0	4	0	30	0		31	L		31		31	31	0
	were p syste and (	ify under   prepared   em desigr evaluate t persons w posible for	under m led to a he infor ho man	ny direct ssure th mation s age the	ion or s at qual submiti systen	superv lified p ted. Ba n, or th	ision in a ersonnel ased on r 10se pers	ccordanc properly ny inquiry ons direc	e with a gather of the tly				on of (Certifie		:		onth, day, 2-3 (	
	is, c	to the be omplete. omitting fa	sťofmy Iamaw	y knowle vare that	edge ar t there	nd beli are sig	ef, true, a Inificant p	accurate, penalties	and for				officer or auth per agreemen		jent	Date (mo	nth, day,	year)
	50	Jinnung it					iolations.		anu			(				10	1	1~_

Page 1 of 6

lava Do

11/23/22

162

58

# of Days above 235

31

Max

Min.

Data

Daily Max

120

36

31

192

90

31

3,430

1392

31

647

40

31

### State Form 10829 (R4 / 01-20) Name of Facility Permit Number Month Year 2022 Elkhart IN0025674 October PRIMARY AERATION SECONDARY FINAL EFFLUENT EFFLUENT EFFLUENT MIXED LIQUOR RETURN SLUDGE Residual Chlorine - Final 30 Ē pH - daily high f multiple samples) Dissolved Oxygen - mg/l Sludge Vol. Index - ml/gm ⊇. Coli - colony/100 pH - daily low (or single sample) Residual Chlorine % Contact Tank Susp. Solids - mg/l Solids - mg/l Solids - mg/l Solids - mg/l Settleable Solids minutes Ц Of Month BOD5 - mg/l 00 00 00 00 00 00 00 00 00 00 /olume - MG Temperature Susp. Susp. .dsr E) Day ய் ഗ 58 182 2,512 4.2 19 7.779 7.3 18 1 5,160 2 87 53 186 2,532 73 4.4 19 7.785 29 7.4 4,660 3 58 120 172 2,432 71 3.5 7.785 4,760 7.3 19 8 4 90 68 182 2,236 81 3.3 19 7.785 5,160 10 7.3 5 83 64 192 2,196 87 3.2 19 7.785 5,000 16 7.6 2,388 6 86 57 166 19 7.785 4,780 33 7.3 70 3.1 73 7 108 155 2,376 65 4.0 19 7.785 5,220 31 7.3 8 81 57 157 2,384 4.0 19 7.785 4,560 17 7.7 66 79 36 158 2,260 9 70 4.4 18 7.785 5,060 16 7.7 72 71 148 2,248 2.7 19 32 7.6 10 66 7.785 4,580 84 140 2,460 7.774 11 84 57 2.7 19 4,840 32 7,5 80 142 12 80 2,716 52 2.8 19 7.785 5,720 20 7,5 13 112 64 148 2,156 69 2.6 18 7.785 4,600 81 7.6 14 105 72 139 2,400 58 2.9 18 7.785 4,940 49 7.7 15 82 52 136 2,272 60 3.4 18 7.785 4,760 38 7.6 16 93 40 146 2.288 64 3.6 18 7.785 4,620 86 7.7 17 105 64 144 2,016 71 3.9 18 7.785 5,080 101 7.6 15 18 71 56 138 2,176 63 5.1 7.785 5,840 26 7.1 52 3.5 7.785 41 19 66 138 2,492 55 16 5,940 7.3 122 54 140 2,208 3.0 17 7.785 23 7.6 20 63 4,840 2,040 7.785 21 102 66 108 53 3.0 17 4,700 34 7.4 22 162 40 116 1,712 68 3.9 18 7.785 4,880 33 7.4 54 98 1,676 18 7.785 38 7,4 23 85 585 3.6 3,020 24 101 64 90 1,392 647 3.4 18 7.785 4.400 30 7.5 1,820 100 25 129 68 55 0.3 18 7.785 3,820 30 7.4 4,760 87 46 110 1,895 2.5 17 7.785 8 7.6 26 58 106 120 2.7 64 1,680 71 17 7.812 2,760 49 7.4 27 7.6 70 8 99 112 2,510 45 2.7 18 7.785 5,640 28 72 55 128 3,150 40 3.0 18 7.785 5,760 26 7.3 29 30 67 59 165 3,430 48 3.4 17 7.785 6,360 29 7.4 31 83 78 165 2,915 57 2.40 18 7.785 8,140 21 7.2 92 63 143 2,289 99 3.3 18 7.785 4,979 33 Avg

Dissolved Oxygen - mg/

8.0

8.2

8.2

8.2

8.2

8.1

8.0

8.3

9.1

7.9

7.6

8.4

7.7

8.2

7.5

8.0

8.7

8.3

7.7

8.4

7.6

8.2

8.4

8.5

8.0

8.1

8.0

7.7

7.4

7.9

7.7

8.1

9.1

7.4

31

0

7.7

7.10

0

101

8

101

0

0

31

31

1

Oil & Grease (mg/l)

Comments for the Month (major repairs, breakdowns, process upsets and their causes, inplant treatment process bypass, etc.):

31

7.812

7.774

31

8,140

2760

31

0

0

19

15

5.1

0.3

31

### State Form 10829 (R4 / 01-20) Name of Facility Permit Number Month Year Elkhart 2022 IN0025674 October FINAL EFFLUENT BOD Flow **Total Suspended Solids** Ammonia Phosphorus Effluent Flow Rate (MGD) Susp. Solids - Ibs/day Weekly Average Susp. Solids - Ibs/day Phosphorus - lbs/day Effluent Flow Weekly Average Susp. Solids - mg/l Susp. Solids - mg/l Weekly Average Ammonia - Ibs/day Ammonia - Ibs/day Phosphorus - mg/l CBOD5 - Ibs/day Weekly Average CBOD5 - lbs/day Neekly Average Ammonia - mg/l Ammonia - mg/l Weekly Average Weekly Average CBOD5 - mg/l CBOD5 - mg/l Day Of Month Day of Week 1 Sat 10.929 3 232 5 483 0,03 2.7 0.98 89 2 _{Sun} 10.102 2 207 5 388 0.03 2.5 1.17 99 3 Mon 11.352 3 275 5 492 0.03 2.8 0,96 91 10.962 3 308 4 _{Tue} 6 512 0.19 17.4 0.94 86 5 Wed 10.529 259 474 3 5 0.13 11.4 0.95 83 6 Thu 12.194 3 261 6 570 0.13 13.2 0.84 85 7 _{Fri} 11.692 2 215 6 566 0.10 9.8 0.89 87 8 Sat 10.682 11.073 3 2.74 242 253 7 5.66 659 523 0.10 0.10 8.9 9 1.06 94 9_{Sun} 11.242 3 261 6 563 0.09 8.4 1.36 128 10 Mon 308 12.965 3 8 843 0.25 27.0 1.15 124 11 Tue 12.965 349 8 3 908 0.43 46.5 0.98 106 12 Wed 12.501 3 313 9 938 0.18 18.8 1.03 107 13 _{Thu} 12.210 3 291 11 1,079 0.13 13.2 1.00 102 14 _{Fri} 12.168 4 383 9 923 0.10 10.1 1.02 104 15 _{Sat} 12.300 339 12.050 5 3.31 468 14 9.21 1,367 946 0.10 0.18 10.0 19 1.09 110 16 _{Sun} 10.687 5 413 13 1.141 0.10 8.9 0.99 88 10.658 5 17 454 11 996 1.31 116.4 1.08 96 Mon 18|_{Tue} 17.057 3 494 12 1,707 0.18 25.6 0.62 88 19|_{Wed} 14.458 2 301 8 0.23 27.7 965 0.51 61 12.450 307 20 _{Thu} 3 7 748 0.34 35.3 0.67 70 12.104 7 21 3 256 0.10 10.1 Fri 666 0.67 68 22 11.301 12.674 3 3.43 264 356 6 9.13 971 575 0.12 0.34 11.3 34 0.78 74 Sat 23 11.495 3 283 5 508 0.12 11.5 1.04 100 Sun 24 Mon 11.921 2 248 5 477 0.98 97.4 0.82 82 25 _{Tue} 16.722 4 530 6 893 6.51 907.9 1.09 152 26 _{Wed} 13.943 3 378 5 558 2.02 234.9 0.94 109 27 _{Thu} 11.566 3 263 4 434 6.38 615.4 1.11 107 28 _{Fri} 11,926 3 313 7 676 3.35 333.2 0.83 83 29 _{Sat} 11.221 3 284 328 12.685 3.06 4 5.29 565 0.30 2.81 28,1 0.89 412 318 83 30 _{Sun} 11.570 3 302 4 425 0.12 0.92 11.6 89 31 Mon 18.613 3 4 407 683 0.94 51.2 0.94 146 12.330 318 7 730 0.81 88.0 1.00 3 96 Avg 18.613 12.685 5 3.43 530 356 14 9.21 1,707 971 6.51 2.81 907.9 318 1.4 152 Max 10.102 11.073 2 2.74 207 5.29 0.03 Min 253 4 388 523 0.10 2.5 9 0.5 61 31 4 4 31 31 4 31 4 31 31 4 31 4 31 Data 4 31

	MONTHLY RE	EMOVAL SUM	MARY		Total Monthly Flo	w:
Percent Removal	BOD5	S.S.	Ammonia	Phosphorus	(million gallons)	382
Primary Treatment	30.83	58.3				
-	NA	NA			Percent Capacity	
Secondary Treatment	96.6	88.8			(actual flow/design)	62%
Overall Treatment	97.66	95.3	95.9	77.4		
Phosphorus limit would be	80	% removal.	(compliance r	not achieved)	, , , , , , , , , , , , , , , , , , ,	

### State Form 10829 (R4 / 01-20) ame of Facility Permit Number Month Year 2022 Elkhart IN0025674 October SLUDGE TO DIGESTER OPERATION DIGESTER Anaerobic Only Digested Sludge Withdrawn hrs. or Gal. x 1000 Primary SludgeGal. x 100 Volatile Solids in Incoming Sludge - % Volatile Solids in Digested Sludge - % Supernatant BOD5 mg/l or NH3-N mg/l Supernatant Withdrawn hrs. or Gal. x 1000 Total Solids in Incoming Sludge - % Total Solids in Digested Sludge - % Gas Production Cubic Ft. x 1000 Waste Act. Sludge Gal. x 1000 Temperature - F H Day Of Month 35.14 216.00 7.2 90 10.611 4.36 2.18 76.37 60.56 1 2 15.09 216.00 7.3 90 31.833 4.94 2.15 78.26 58.62 3 216.00 7.3 89 72.96 20.09 4.52 2.12 79.22 58.82 216.00 7.3 88 3.537 4 36.05 3.51 2.17 76.39 59.15 98.14 216.00 7.3 88 7.074 2.08 76.52 72.29 5 33.69 3.35 59.78 7.3 89 6 39.80 216.00 3.73 2.06 73.90 57.63 101.17 7 34.35 216.00 7.3 88 0.000 3.51 2,16 71.35 59.36 8 34.87 216.00 7.3 89 21.222 3.08 2.03 72.24 60.19 9 23.03 216.00 7.4 87 4.21 2.07 79.01 58.75 10 16.54 216.00 7.2 88 3.86 2.10 82.62 58.71 101.46 86 7.074 11 35.01 216.00 7.2 4.38 1.99 77.24 59.41 100.95 12 42.37 216.00 7.2 89 0.000 3.59 1.93 74.58 59.15 72.82 13 31.02 216.00 7.2 88 7.074 4.15 0.99 74.11 59.09 72.27 14 45.21 214.56 7.2 85 0.000 3.89 2.06 72.84 58.85 15 45.01 216.00 7.2 88 28.296 4.51 2.12 76.08 59.24 35.55 216.00 7.2 88 17.685 3.36 77.56 16 2.10 59,33 23.03 216.00 7.2 90.01 17 87 14.148 3.86 1.74 79.81 50.31 18 29.72 216.00 7.2 87 10.611 4.71 2.12 74.71 60.27 19 38.02 216.00 7.1 86 7.074 3.32 73.11 0.46 75.00 56.52 21.75 216.00 20 7.0 84 2.07 101.45 10.611 3.43 76.15 58.85 25.53 216.00 7.2 86 21 10.611 4.09 2.20 74.29 60.43 22 32.68 216.00 7.2 86 3.73 2.18 74.39 59.91 23 24.57 216.00 7.2 86 17.685 3.91 2.65 78.89 58.26 24 18.95 216.00 7.1 86 4.51 2.21 82.10 58.51 97.89 25 29.28 216.00 7.3 86 3.88 78.26 59.31 94.13 2.15 216.00 27.99 88 58.74 26 7.2 3.98 2.07 75.65 27 1.82 28.00 208.80 7.1 90 21.222 4.60 76.76 58.90 101.33 21.20 216.00 88 3.92 28 7.2 1.81 75.83 59.16 30.00 216.00 90 29 7.2 4.79 1.74 77.21 58.70 21.79 216.00 7.2 93 1.79 58.73 30 49.518 4.99 79.08 17.10 216.00 90 31 7.2 4.65 1.88 84.39 59.28 29.43 215.72 88 13.794 4.04 1.97 76.80 58.79 89.28 Avg. Max. 45.21 216.00 7.4 93 49.518 4.99 2.65 84.39 60.56 101.46 15.09 208.80 7.0 0.000 3.08 0.46 71.35 50.31 72.27 Min. 84 31 31 31 0 31 20 0 31 31 31 31 14 0 Data 0

Once completed, this form should be converted to a pdf document, named appropriately & attached to the corresponding netDMR for submittal

State For Name of F	rm 10829 (I Facility	R4 / 01-20) Permit Numi	ber	Month		Year		]								
Elkhart		IN00256	374	Octo	ber	20	22									
				State Form												
		Final	Effluent							Ι						
	Chl	oride	Total N	litrogen	-											
Day Of Month	Chloride - mg/l	Chloride - Ibs/day	Total Nitrogen- mg/l	Total Nitrogen- Ibs/day	Ag - Influent mg/l	Ag - Effluent mg/L	Cd - Influent mg/L	Cd - Effluent mg/L	CN - Influent mg/L	CN - Effluent mg/L	Cr - Influent mg/L	Cr - Effluent mg/L	Cu - Influent mg/L	Cu - Effluent mg/L	Hg - Influent ng/L	Hg - Effluent ng/L
2																
3									0.0023	0.0022						
4			23.40	2,139	0.0006	0.0002	0.0007	0.0002			0.0073	0.0002	0.0739	0.0093		
5																
6					-					ļ						
7		<u> </u>														
8																· · ·
10					•											
11					0.0002	0 0002										
12					0.0002	0.0002										
13																
14																
15																
16																
17					0.0000	0.0000				ļ						
18 19					0.0003	0.0002										
20																
21																
22																
23																
24																
25					0.0003	0.0002										
26																
27 28					-											
28		<u> </u>														
30	179	17,272	·													
31		,212														
Avg.	179	17,272	23.40	2,139	0.0004	0.0002	0.0007	0.0002	0.0023	0.0022	0.0073	0.0002	0.0739	0.0093		
Max.	179	17,272			0.0006	0.0002	0.0007	0.0002	0.0023	0.0022	0.0073	0.0002	0.0739	0.0093		
Min.	179	17,272		2139	0.0002	0.0002	0.0007	0.0002	0.0023	0.0022	0.0073	0.0002	0.0739	0.0093		
Data	1	1	1	1	4	4	1	1	1	1	1	1	1	1	0	0

### WASTEWATER TREATMENT PLANT

ame		Permit Numb	ber	Month		Year	
Elkha	t	IN00256		1	ober	20	22
		Sub	ostitute for	State For	m 30530		
	g/L	g/L	J/F	- Effluent mg/L	lg/L	Zn - Effluent mg/L	
onth	Ni - Influent mg/L	Ni - Effluent mg/L	Pb - Influent mg/L	ent n	Zn - Influent mg/L	snt n	
Day Of Month	flue	fflue	uflue	Efflue	lfue	Ifflue	
ay	<u> </u>	Ш Ц				ш	
<u>0</u> 1	Ż	ž	<u> </u>	4 4	<u></u>	Й.	
2							
3		0.0140	0.0040	0.0010	0.4040	0.0000	
4 5		0.0112	0.0016	0.0010	0.1010	0.0396	
6							
7							
9							
10							
11 12							
12							
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15 16							
17							
18							
19 20							
20							
22							
23 24							
25							
26							
27 28							
29							
30 31							
		0.0112	0.0016	0.0010	0.1010	0.0396	
Max	0.0385	0.0112	0.0016	0.0010	0.1010	0.0396	
Min.	0.0385	0.0112	0.0016	0.0010	0.1010	0.0396	
Data	1	1	1	1	1	1	0



Monitor		ublic Wor	ks & Utilitie	_															100.0027
	na Period		Contractor and a second states.	5	- Sector Sector Sector Sec						1	Public No	tific	ation Requ	iren	ients Met?	Y		
Design I		: C	October	2022							E	nter "x" i	fno	CSO disch	narg	e occurred	for	the month	
	Peak Hour	ly Flow (N	AGD):	44	Design Ave	erage Flow	(MGD):	20		Measured	Met	ered (M)	or E	stimated (E	E) m	ust be spec	cifie	d	
WWTF	nfluent	Data		Pr	ecipitation D	ata	S. Aliguet		<u> </u>	SO Outfall	No,	005		-4	<u> </u>	SO Outfall	No.	006	
Day of Month	Average Dally Flow (MGD)	Peak Hourly Flow (MGD)	Time Precip. Began (am/pm)	Precip. Duration (Hours)	Total Daily Precip. (Inches)	Peak Intensity (Inch/hr)	Measureme nt Interval (hr, 30 m, 15 m)	Time Discharge Began	M or E	Event Duration (Hours)	M or E	Event Discharg e (MG)	M or E		Mor	Event Duration (Hours)	More	Event Discharge (MG)	M
1	10.22	12.00					15 min						l		Ī		Ť		Ť
2	10.53	13.10					15 min												-
3	11.38	16.10					15 min												
4	10.66	12.20					15 min										-		-
5	11.38	16.80				********	15 min												
6	10.28	11.60					15 min												-
7	10.45	12,80					15 min												$\uparrow$
8	9.82	11.70					15 min												╈
9	8.87	12.00					15 min										1		+
10	10.08	12.20					15 min								1				+
11	11.68	16.00	4:57 PM	6.62	0.24	0.20	15 min												+-
12	10.62	13.20	12:02 AM	18.70	0.13	0.20	15 min												+
13	10.02	12.00	2:47 AM	6.53	0.13	0.20	15 min										-		+
14											-				-		+		╋
15	10.36	12.20	11:02 PM	1,03	0,13	0.24	15 min		-										╈
16	10.98	23.10	12:02 AM	13.28	0.12	0.28	15 min						-		-		+		┼─
17	9.14	11.60	11:37 PM	0.08	0.01	0.04	15 min												+
18	17.47	50.10	12:54 AM	23.17	1.18	0.28	15 min										-		┢
10	15.51	29,10	1:57 AM	21.95	0.61	0.16	15 min				$\left  - \right $				-				┢
	12,28	15.00	12:59 AM	10.25	0.25	0.12	15 min										-		┝
20	10.89	12.40					15 min										-		╞
21	10.72	13.10					15 min												$\vdash$
22	9.93	12.20					15 min												-
23	10.26	13.70					15 min												
24	10.73	13.10					15 min										ļ		
25	13.59	38.20	1:37 PM	10.00	0.56	0.28	15 min						$\square$						╞
26	14.64	20.10	12:09 AM	9.50	0.20	0.28	15 min												$\vdash$
27	11.11	7.50	8:57 AM	0.08	0.01	0.04	15 min		$\square$								$\parallel$		╞
28	10.70	6.70					15 min		$\square$										$\vdash$
29	9.80	7.10					15 min												_
30	10.30	12.20	9:47 PM	1.92	0.11	0.20	15 min												1
31	15.00	27.90	5:44 AM	14.25	0.68	0.84	15 min	The second second second	1995				2924	7:18 PM	· · · · · · · ·	0,08	м	0,0015	<u> </u> M
Totals:	349.85			137.36	4.24			0	Da ys	0.00		0		1	Da ys	0.08		0.0015	
Typed o	Printed N	lame and			utive Officer									Telephone		4 000	<u> </u>	70	2933
NITH A : NQUIRY	SYSTEM D	PESIGNEC	Y OF LAW T TO ASSUR WHO MAN	HAT THIS RE THAT QU AGE THE S	DOCUMENT UALIFIED PE SYSTEM OR	AND ALL ERSONNEI THOSE PE	VICES N ATTACHME PROPERL' RSONS DIR ACCURATE	NTS WERE GATHER ECTLY RE	PR ANI SPC	DEVALUAT	re t Dr g	HE INFO	RM/ NG	TION OR S TION SUB THE INFOR	UPE MITT MAT	IED. BASE	N AC	CORDAN	ł
SUBMIT	TING FALS	SE INFOR	MATION, IN ative Officer	CLUDING 1	HE POSSIB		INE AND IM										. בח		



25102.000	Elkhart												Page	2 of	9			Pern	nit Number:	IN	0025574			
Facility:	Elkhart Pu	ıbli	c Works	:&l	Jtilities									•	Public No	tific	ation Requ	ulren	nents Met?	Y				
Monitor	ing Period:		Octo	ber	2022										En	nter	"x" if no	csc	) discharge	e 01	ccurred f	or th	e month:	1212
Design	Peak Flow	Ηοι	urly) (MG	iD):	44		Design Fi	ow	(MGD):		20		Measured/	Met	ered (M)	or E	stimated (	E) m	ust be spec	cifie	d			
		CS	O Outfall	No.	007	1000		cs	O Outfall	No.	008			cs	O Outfall	No.	009			C	SO Outfall	No.	011	
Day of					Event Discharge	Mor	Discharge						Time Discharge	M or	Duration	M or	Event Discharge	Mor	Discharge	M	Duration		Event Discharge	
Month 1	Began	E	(Hours)	E	(MG)	E	Began	E	(Hours)	E	(MG)	E	Began	I E	(Hours)	E	(MG)	E	Began	E	(Hours)	or E	(MG)	or E
2																				┢				+
2 3				<u> </u>										-				-	1					+
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4														$\vdash$				-						+
5																			l	ļ				–
6						-													l					┢
7								$\vdash$											<b> </b>	–				–
8												<u> </u>						.  .	<u> </u>	_				–
9																_								<b>_</b>
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13						-												ļ	ļ	ļ	ļ			_
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31	7:27 PM	м	0.67	м	0.1103	м							7:35 AM	м	0.33	м	0.0029	м						
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City:	Elkhart										-		Page	3 of	9		P	ern	nit Number	IN	0025574			
Facility:	Elkhart Pi	ubli	c Works	& L	Jtilities									Ρι	iblic Notif	fica	tion Requi	ren	nents Met?	Y				
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	DEPARTME Elkhart		LIVING			VAG							Page	4 of	9			Pern	nit Number:	IN	0025574			
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# National Pollutant Discharge Elimination System (NPDES) CSO Monthly Report of Operation (CSO MRO) State Form 50546 (R4 / 9-15) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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City:	Elkhart												Page l			16943			nit Number:	2	0025574			(535).
Facility	Elkhart P	ubli	c Works	: & L	Jtilities		1000000000		- an created as			(ingle		P		1000		1999	nents Met?					
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City:	DEPARTME Elkhart	NIC		/NITL		VAG							Page 6	3 of	9			,eru	nit Number:	IN	0025574			
Service and	Elkhart P	ubli	c Works	81	Itilities									1		lfica		S. 131	nents Met?	2				
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	Elkhart												Page	8 of	9			Perr	nit Number:	IN	0025574			
Facility	Eikhart P	ubli	c Works	5 & l	Jtilities									1		tific			nents Met?					
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City: Elkhart		Page: 9 of 9	Permit Number: IN0025574
Facility: Elkhart Public Works & Utilities		Public Notif	fication Requirements Met? Y
Monitoring Period: October 2022	2	Enter "x" if i	no CSO discharge occurred for the month:
Design Peak Hourly Flow (MGD): 44	Design Average Flow (MGD); 20		
Day of			
Month Comments (further explanation a	as to why each CSO event occurred)		
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Typed or Printed Name and Title of Principal E	xecutive Officer or Authorized Agent		Telephone
	olo, Utilities Services Manager		574-293-2572
	IS DOCUMENT AND ALL ATTACHMENTS WERE PI		
	QUALIFIED PERSONNEL PROPERLY GATHER AN		
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	G THE POSSIBILITY OF FINE AND IMPRISONMENT		
Signature of Principal Executive Officer or Auti	norized Agent		Date (mm/dd/yy)
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State Form 48373 (R7 / 4-16) Indiana Department of Environmental Management Office of Water Quality

DATE (month, day, year): 10/26/22 Date (month, day, year) / Time IDEM Notified

10/26/22 11:40

AM PM

INSTRUCTIONS: Complete all parts of this form and email signed copies to <u>wwreports@idem.IN.gov</u>. Submittal of this report will satisfy the Office of Water Quality (OWQ) telephone and written bypass/overflow reporting requirements of your NPDES permit. Please use and the second page of this form as necessary to identify separate locations caused by the same event. If you have any questions while filling out the report form, please contact Renee Repar at (317) 232-6770 or <u>rrepar@idem.in.gov</u>.

To report a spill or if the release is resulting in a fish kill or other severe environmental damage, immediately report the release to the Emergency Response Section spill response line at: (317) 233-7745 or toll free within Indiana at (888) 233-7745.

(1) Facility Na	me (Organization)	(2) Mailing A		L INFORMATI porting organi		(3) C	ounty		(4) NPDES Permit
	Iblic Works		•	ee Street	Lanony	Elki	-	1	IN00025674
				RMATION (L	opotion ()		art		11100023074
(5) Outfall Number	(6) Date <i>(mm/dd/yy)</i> and Time Release Began	(7) Date (mm/dd/yy) Release Stopped		(8) Location of	Release (streets addres Station, Force Main etc.)	ss or		atitude 1 <i>Min Sec</i> )	(9) Longitude (Deg Min Sec)
n/a	10/24/22 8:16	10/24/22 11:00	AM PM	мн-00000	)628		4	1 38 38N	86 00 15W
l ` ' _		lways provide a vol			(11) WWTP Flow Duri	ng Relea	ise		eak Design Flow Rate
Check one:	Estimated Actual	unknown			7.3 MGD			44.0 MG	D
☐ Sanitary So ☐ Treatment ☐ Prohibited ☐ Dry Weath ☐ Combined (15) Reason fo ☐ Constructio (16) System C (Select one or	ewer Overflow Bypass <i>(at wastewater plan</i> Combined Sewer Overflow er Combined Sewer Overflow Sewer System Release or Bypass / Overflow <i>(Select</i> on Related Power Fa component(s) (17	t) v one or more.)	ne ent Failure	que cur	/n □ Exceeded M	lax Cap (18) D (Chec	oacity escrip	otion of the Ar that apply.)	ea Impacted
Manhole House Late Pipe Failur Pump Stati Treatment Other Influent Str Air Relief V Sewer Clea	e on Failure Bypassed ucture /alve					Bas Occ Rea Rea	seme currec achec achec	Private Propert nt Backup d at Treatmer d Public Land d Receiving Wate	it Plant /ater
grease	r: (in the box below)								
. ,	l organizations notified by fac rgency Response   🗌 Heal			<i>or more.)</i> sh and Wildlife	🗌 Local Emerger	icy Mar	nagen	nent 🗹 Oth	er:
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designed to as	penalty of law that this docu sure that qualified personne /stem, or those persons direc	l properly gather an	d evaluate	the informatio	n submitted. Based	on my i	nquin	y of the perso	n or persons who

belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (The area below is for a handwritten signature or an electronic substitute then fax or scan to PDF for emailing.)

laura.kolo@coei.org

Contact Email

22

Telephone Number (574)293-2572

IC

aura

SIGNATURE: ______ Individual Making Report (printed) Laura E. Kolo

### Kolo, Laura

From:	postmaster@state.in.us
Sent:	Wednesday, October 26, 2022 11:36 AM
То:	Kolo, Laura
Subject:	EXTERNAL: Relayed: IN0025674_INC_RPT_2022_10_01
Attachments:	EXTERNAL: Relayed: IN0025674_INC_RPT_2022_10_01

Caution: This email originated from outside of the organization. Please take care when clicking links or opening attachments. When in doubt, contact your IT Department

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PERMIT NO.: INLA 000680		MARKETING (Comp FACTLITY NAME.	Complete and (Complete and	MARKETING AND DISTRIBUT (Complete and submit this form to CTLTTV NAME.	DISTRIBUT submit this form to	N ANNUAL REPOR	AL REPC	N ANNUAL REPORT FORM M by January 31 of each year)			October	
			AAME:		ΠKΫ́	Elkhart Public Works & Utilities	orks & Utili	lies	YEAR:	I	720	
Month Dry Tons January Dry Tons February March April April May	Lab. No. (Lab No. correspor to lab dat to lab dat entered below)	sp a	Class A Pa Check approp	thogen Reduction riate box, give explane 327 IAC 6.1-4-13 Alternative 1 Alternative 2 Alternative 3	inction Meth explanation if n -4-13 > 1 > 2	Class A Pathogen Reduction Method (attach sample r Check appropriate box, give explanation if more than one is applicable 327 IAC 6.1-4-13 X Alternative 1 Alternative 2 Alternative 3	sample resu applicable	Class A Pathogen Reduction Method (attach sample results when applicable)         Check appropriate box, give explanation if more than one is applicable         327 IAC 6.1-4-13         X       Alternative 1         Alternative 1         Alternative 2         Alternative 3	e) No Distribution			
July August September October November December December Analytical Results;	Vector Attract         Check appropriate 1         327         327         327         Opti         X         Opti         Enter heavy metals results as dry weights	netals results	Vector Att Check approp X as dry weig	raction Reduct nate box, give explation 327 IAC 6.1-15 Option 1 38% Option 2 Anate Option 3 Aero Option 4 SOU	eduction Method e explanation if more fi .1-15 38%VSR Anaerobic/Bench Anaerobic/Bench SOUR Enter detectio	Vector Attraction Reduction Method (attach sample 1         Check appropriate box, give explanation if more than one is applicable         327 IAC 6.1-15         X       Option 1         38%VSR         Option 2         Amaerobic/Bench         Option 3         Aerobic/Bench         Option 4       SOUR         Option 4       SOUR         as dry weights       Enter detection limit when res	sample resu applicable	Vector Attraction Reduction Method (attach sample results when applicable)         Check appropriate box, give explanation if more than one is applicable         327 IAC 6.1-15         X       Option 1 38%VSR         Option 1 38%VSR       Option 5 Aerobic         Option 2 Anaerobic/Bench       Option 6 Alkali         Option 3 Aerobic/Bench       Option 7 75% Solids         Option 4 SOUR       Option 8 90% Solids         as dry weights       Enter detection limit when result is nondetectable	e) c blids blids			
, a	-	7	m	4	w	9	4	8	10		11 12	
Percent Total Solids Arsenic (As) Cadmium (Cd)												
Copper (Cu) Lead (Ph) Mercury (Hg) Molybdenum (Mo)							20		_			
Nickel (Ni)	Enter all m	Buter all mutrient results as nercent drov	ac nercent	dawy y verso.	2							
Total N (TN) Ammonium N (NH4-N) Nitrate N (NO3-N) Phosphorus (P) Potassium (K)									·			
· .	Enter PCB 1	Enter PCB results as dry weight	weight					_	_	_		
Signature:	lauce		(22)		1	Date:		11-23:22				

# 🥰 View All Copies of Submissions | 🧕 DMR/COR Search Results 🔍 View DMR Signing Status

# Signing Process Confirmation - CDX Activity ID: __117aa3c3-8546-48c4-a43c-1f18265652af

Your DMRs are undergoing the Signing Process

<u>Permit ID</u>	<u>Facility.</u>	Permitted Feature	<u>Discharge #</u>	Discharge Description	Monitoring Period End Date	DMR Due Date
IN0025674	ELKHART WWTP	005	005-C	CSO- ARCH/BAR, NW OF INTERSECTION	11/30/22	12/28/22
IN0025674	ELKHART WWTP	006	006-C	CSO- JACKSON, N OF BRIDGE, W OF ELKHART RIVER	11/30/22	12/28/22
IN0025674	ELKHART WWTP	007	007-C	CSO- JACKSON, N OF BRIDGE, E OF ELKHART RIVER	11/30/22	12/28/22
IN0025674	ELKHART WWTP	008	008-C	CSO- HUG/EAST BLVD	11/30/22	12/28/22
IN0025674	ELKHART WWTP	600	D-600	CSO- NIBCO PRKWY - FKA JR. ACHIEVEMENT (Y DR N)	11/30/22	12/28/22
IN0025674	ELKHART WWTP	011	011-C	CSO- ELKHART/FRANKLIN	11/30/22	12/28/22
IN0025674	ELKHART WWTP	012	012-C	CSO- CASSOPOLIS/BEARDSLEY	11/30/22	12/28/22
IN0025674	ELKHART WWTP	013	013-C	CSO- JOHNSON/BEARDSLEY	11/30/22	12/28/22
IN0025674	ELKHART WWTP	014	014-C	CSO- DAM AT CONE/ERWIN	11/30/22	12/28/22
IN0025674	ELKHART WWTP	015	015-C	CSO- MICHIGAN/FULTON	11/30/22	12/28/22
IN0025674	ELKHART WWTP	016	016-C	CSO- DAN @ GOSHEN/SUPERIOR	11/30/22	12/28/22
IN0025674	ELKHART WWTP	017	017-C	CSO- W. BOULEVARD/MCNAUGHTON	11/30/22	12/28/22
IN0025674	ELKHART WWTP	018	018-C	CSO- MCNAUGHTON PARK WEST	11/30/22	12/28/22
IN0025674	ELKHART WWTP	019	019-C	CSO-MICHIGAN @ RVR, S. OF LEX.	11/30/22	12/28/22
IN0025674	ELKHART WWTP	020	020-C	CSO- BRIDGE AND HUDSON	11/30/22	12/28/22
IN0025674	ELKHART WWTP	023	023-C	CSO- FRANKLIN/8TH	11/30/22	12/28/22
IN0025674	ELKHART WWTP	024	024-C	CSO- INDIANA/FRANKLIN	11/30/22	12/28/22
IN0025674	ELKHART WWTP	025	025-C	CSO- POTTAWATOMI/SECOND	11/30/22	12/28/22
IN0025674	ELKHART WWTP	026	026-C	CSO- MAIN/POTTAWATOMI	11/30/22	12/28/22
IN0025674	ELKHART WWTP	027	027-C	CSO- EDGEWATER/NAVAJO	11/30/22	12/28/22
IN0025674	ELKHART WWTP	028	028-C	CSO- WASHINGTON AT RIVER	11/30/22	12/28/22
IN0025674	ELKHART WWTP	029	029-C	CSO- JEFFERSON AT THE RIVER	11/30/22	12/28/22
IN0025674	ELKHART WWTP	031	031-C	CSO- ELIZABETH/LUSHER	11/30/22	12/28/22
IN0025674	ELKHART WWTP	032	032-C	CSO- EDGEWATER/OKEMA	11/30/22	12/28/22
IN0025674	ELKHART WWTP	033	033-C	CSO- EVANS/GRACE	11/30/22	12/28/22

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IN0025674 ELKHART WWTP 034	VWTP 034	034-C		2	12/28/22
IN0025674 ELKHART WWTP 035	IN0025674 ELKHART WWTP 035 035-A	035-A	IVATED SLUDGE - TO ST JOSEPH RIVER		12/28/22
IN0025674 ELKHART WWTP 037	IN0025674 ELKHART WWTP 037 037-C	037-C		11/30/22	12/28/22
IN0025674 ELKHART WWTP 039	IN0025674 ELKHART WWTP 039	039-C		11/30/22 12/28/22	12/28/22
IN0025674 ELKHART WWTP 040	IN0025674 ELKHART WWTP 040 040	040-C	K SOUTH	11/30/22 12/28/22	12/28/22

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		View Certification	ttion   🐺 Download COR					
DMR Copy of Submission	bmission							
Permit								
Permit ID:	IN0025674	Major:						
Permittee:	ELKHART WWTP	Permittee Address:	229 SOUTH 2ND ST ELKHART , IN46516					
Facility:	ELKHART WWTP	Facility Location:	1201 S NAPPANEE ST ELKHART , IN46516					
Permitted Feature:	035 - External Outfall	Discharge:	035-A - 20 MGD CLASS 1	- 20 MGD CLASS IV ACTIVATED SLUDGE - TO ST JOSEPH RIVER	TO ST JOSEPH	RIVER		
Report Dates & Status								
Monitoring Period: Status:	From 11/01/22 to 11/30/22 <b>NetDMR Validated</b>	DMR Due Date:	12/28/22					
Considerations for Form Completion THE FLOW METER(S) SHALL BE CALJBRA COUNTY	<b>Considerations for Form Completion</b> THE FLOW METER(S) SHALL BE CALIBRATED AT LEAST ONCE EVERY TWELVE COUNTY		MONTHS. REPORT QUARTERLY PARAMETERS ON 035-AQ NETDMR. MUNICIPAL MAJOR ELKHART	TERS ON 035-AQ NETDMI	R. MUNICIPAL	MAJOR	ELKHART	
Principal Executive Officer	ficer							
First Name: Title:	Laura Hitity Sondros Manager	Last Name: Tolonhono:	Kolo					
No Data Indicator (NODI)	uullity services Manager	l elephone:	2/62-562-4/6					
Form NODI:	-							
Parameter	NODI Quantity or Loading	ır Loading	Quality o	Quality or Concentration			Freq. of	Smpl.
Code Name	Value 1	Value 2 Units	Value 1 Value 2	Value 3	Units	P. A. A.	Analysis	Туре
00300 Oxygen, dissolved [DO] 1 - Effluent Gross	Smpl.		=7.3		19 - mg/L	0 5 <u>0</u>	01/01 - Daily	3R - 3GR24H
Season: 0			=4.0 DLYAVMIN		19 - mg/L	5ŭ	01/01 - Daily	3R - 3GR24H
IODI	IOON			医白细胞 医眼镜 医外腺 化化化化 化合物化合物 化合物化合物		10 M (m) = 10 M (m) = 10 M (m) = 10		the provide the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of
00400 <b>pH</b> 1 - Effluent Gross	Smpl.		=7.1	=7.8	12 - SU	0	01/01 - 0 Daily 0	GR - GRAB
							*** * ** * *********	

Indiana DEM

	I								3	a ar a Second	
Code Name		Value 1	Value 2	Units	Value 1	Value 2	Value 3	Units	ΞÄ	sistiplie	
Season: 0	Req.				>=6.0 DAILY MN		<=9.0 DAILY MX	12 - SU		01/01 - Daily	GR - GRAB
NODI: -	IDON										
00530 <b>Solids, total</b> suspended 1 - Effluent Gross	Smpl.	=479.0	=731.0	26 - lb/d		=5.0	=7.0	19 - mg/L	o	01/01 - Daily	24 - COMP24
Season: 0 NODI: -	Req. NODI	<=7511.0 MO AVG	<=11266.0 MX WK AV	26 - Ib/d		<=30.0 MO AVG	<=45.0 MX WK AV	19 - mg/L		01/01 - Daily	24 - COMP24
00600 <b>Nitrogen, total</b> [as N] 1 - Effluent Gross	Smpl.	=1325.0		26 - Ib/d		=12.8		19 - mg/L		01/30 - Monthly	24 - COMP24
Season: 0 NODI: -	Req. NODI	Req Mon MO AVG		26 - lb/d		Req Mon MO AVG		19 - mg/L		01/30 - Monthly	24 - COMP24
00610 Nitrogen, ammonia total [as N] 1 - Effluent Gross	Smpl.	=16.2	=32.0	26 - Ib/d		=0.16	=0.71	19 - mg/L	0	01/01 - Daily	24 - COMP24
Season: 1 NODI: -	Req. NODI	<=1051.0 MO AVG	<=2478.0 DAILY MX	26 - lb/d		<=4.2 M0 AVG	<=9.9 DAILY MX	19 - mg/L		01/01 - Daily	24 - COMP24
00665 <b>Phosphorus,</b> total [as P] 1 - Effluent Gross	Smpl.	=95.0		26 - Ib/d		=0.95		19 - mg/L	0	01/01 - Daily	24 - COMP24
Season: 0 NODI: -	Req. NODI	Req Mon MO AVG		26 - lb/d		<=1.0 MO AVG		19 - mg/L		01/01 - Daily	24 - COMP24
01079 Silver total recoverable 1 - Effluent Gross	Smpl.	<0.02	<0.021	26 - lb/d		<0.0002	<0.0002	19 - mg/L	0	01/07 - Weekly	24 - COMP24
Season: 0 NODI: -	Req. NODI	Req Mon MO AVG	Req Mon DAILY MX	26 - lb/d		Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L		01/07 - Weekly	24 - COMP24
01079 <b>Silver total</b> recoverable G - Raw Sewage Influent	Smpl.					=0.0006	=0.0015	19 - mg/L	0	02/DM - Twice Every Month	24 - COMP24

										Analvsis	Tvpe
Code Name		Value 1	Value 2	Units	Value 1	Value 2	Value 3	Units	Ex.		
Season: 0	Req.					Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	9492 2422	02/DM - Twice Every Month	24 - COMP24
- :IOON	IQON				· · · · · · · · · · · · · · · · · · ·			ular maarin araa			
50050 Flow, in conduit or thru treatment plant	Smpl.	=12.048		03 - MGD					0 10 0	01/01 - Dailv	TM - TOTALZ
1 - Effluent Gross				2					ñ		
Season: 0	Req.	Req Mon MO AVG		03 - MGD					5 <u>5</u>	01/01 - Daily	TM - TOTALZ
NODI: -	IDON			人名鲁尔西 医原子 计子子 医甲基基 化化合合素					an an an an an an an an an an an an an a		ne me melon ao ao ao ao ao ao ao ao a
51041 E. coli, colony forming units [CFU]	Smpl.					0.6=	=20.0	3Z - CFU/100mL	040 0		GR - GRAB
1 - Effluent Gross	i								ካ	rer week	
Season: 2	Req.					Req Mon MO GEO	Req Mon DAILY MX	3Z - CFU/100mL	유부영	03/07 - Three Per Week	GR - GRAB
IDON	IDON										
80082 BOD, carbonaceous [5 day, 20 C]	Smpl.	=226.0	=293.0	26 - lb/d		=2.0	=3.0	19 - mg/L	0 Da	01/01 - Daily	24 - COMP24
1 - Effluent Gross											
Season: 0	Req.	<=6259.0 MO AVG	<=10014.0 MX WK AV	26 - lb/d		<=25.0 MO AVG	<=40.0 MX WK AV	19 - mg/L	01 Dõ	01/01 - Daily	24 - COMP24
- :IOON	IDON				a tel and the state of the state of the			and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec			
81012 Phosphorus, total percent removal	Smpl.			"	=77.5			23 - %	1 Mc	01/30 - Monthly	CA - CALCTD
K - Percent Removal	a and and and the set										
Season: 0	Req.			٨	>=75.0 MO AV MN			23 - %	01 Μ	01/30 - Monthly	CA - CALCTD
- :IOON	IDON										
82220 <b>Flow, total</b> 1 - Effluent Gross	Smpl.		=361.0	80 - Mgal/mo					0 Mc	01/30 - Monthly	RT - RCOTOT
Season: 0	Req.		Req Mon MO TOTAL	80 - Mgal/mo					ΰŭ	01/30 - Monthly	RT - RCOTOT
IDON	IDON										

Submission Note

Frequency of Analysis, and Sample Type.

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Edit Check Errors No errors.

Comments

Attachments			
Name		Type	Size
IN0025674_035a_MR0_2022_11.pdf	df	pdf	892780.0
IN0025674_CS0_MR0_2022_11.pdf		pdf	1428051.0
Report Last Saved By			
ЕЦКНАRT WWTP			
User:	Payton88		
Name:	Laura Kolo		
E-Mail:	laura.kolo@coei.org		
Date/Time:	2022-12-22 14:35 (Time Zone:-05:00)		
Report Last Signed By			
User:	Payton88		
Name:	Laura Kolo		
E-Mail:	laura.kolo@coei.org		

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arjadudo 1925

Date/Time:

2022-12-22 14:35 (Time Zone:-05:00)



Day Of Month Day of Week

1 Tue 2 Wed 3 Thu 4 Fri 5 Sat 6 Sun 7 Mon 8 Tue 9 Wed 10 Thu 11 Fri 12 Sat 13 Sun 14 Mon 15 Tue 16 Wed

17 Thu 18 Fri 19 Sat 20 Sun 21 Mon 22 Tue 23 Wed 24 Thu 25 Fri 26 Sat 27 Sun 28 Mon 29 Tue 30 Wed 31 Average Maximum Minimum

# of Data

										Name of Fac	111.				D			
	UE STA	TE									iiity				Permit Nun			
18	THE	03 12					OF OPE	RATIC	<b>N</b>	Elkhart		Year		Plant Des	IN00256		e Number	
M		THE DEAL					TYPE								-			
/i		<b>9</b> ]	WAS	LEM4.	TER ⁻	<b>FREA</b>	TMEN		IT	Novembe		2022		20.00	mgd	6	574/293	-2572
	181	6	State For	m 10829 (	R4/01-2	20)				E-mail add Certified Ope			lo@coei.c	Org Class	Certificate	Number	035 Evol	A ration Date
										Laura E.		ille		IV	150			30/2023
				Total=			Cł	IEMICA	LS	Eudia E.				10	1 100		00/	50/2020
			_	2.08	4			USED				1	RAV	V SEWA	AGE	T	F	
	Day of Week	Man-Hours at Plant (Plants less than 1 MGD only)	Air Temperature (optional)	Precipitation - Inches	Bypass At Plant Site("x" If Occurred)	Sanitary Sewer Overflow("x" If Occurred)	Chlorine - Lbs/day	Ferrous Chloride Lbs/Day or Gal./Day	Lbs/Day or Gal./Day	Influent Flow Rate (if metered) MGD	Hd	CBOD5 - mg/l	CBOD5 - lbs/day	Susp. Solids - mg/l	Susp. Solids - Ibs/day	Phosphorus - mg/l	Ammonia - mg/l	
1	Tue			0.00				289		11.200	8.0	126	11,726	168	15,693	4.43	20.76	
2	Wed			0.00				301 280		11.000	7.7	98 128	8,947 11,884	150 148	13,761 13,701	4.39	20.12 21.40	
3 4	Thu Fri			0.01				283		10.900	7.7	132	12,027	140	15,818	4.73	21.40	
5	Sat			0.00						10.800	7.7	139	12,538	114	10,268	4.00	21.88	
6	Sun			0.07						10.300	8.1	128	10,953	70	6,013	3.64	20.88	
/ 8	Mon Tue			0.00						10.700	7.8 7.9	87 98	7,748 8,986	156 152	13,921 13,934	4.18	20.80	
9	Wed			0.00				319		10.800	7.7	141	12,727	140	12,610	5.11	20.56	
0	Thu			0.00				308		11.100	7.6	118	10,879	194	17,959	4.42	18.68	
1	Fri			0.00				289		10.308	7.8	138	11,901	152	13,067	4.42	24.16	
2	Sat			0.02				207 207		10.592 9.900	7.8 8.0	127 97	11,179 8,032	132 118	11,661 9,743	3.87	20.56 19.40	
4	Sun Mon			0.00				237		10.941	7.7	114	10,437	146	13,322	3.98	22.80	
5	Tue			0.00				249		11.216	8.1	204	19,038	186	17,399	4.91	24.28	
6	Wed			0.00				281		11.066	7.7	160	14,778	224	20,673	4.69	21.32	
7 8	Thu Fri			0.71				295 280		10.808 10.958	7.7 7.6	157 137	14,156 12,500	148 190	13,341 17,364	4.60	20.92 22.36	
9	Sat			0.12				289		10.033	7.8	116	9,700	98	8,200	3.91	20.20	
0	Sun			0.57				335		10.258	7.7	127	10,841	114	9,753	3.45	21.24	
1	Mon			0.00				322		10.533	7.6	117	10,291	162	14,231		20.68	
2	Tue Wed			0.15				460		10.533 10.600	7.9 7.7	179 211	15,682 18,664	292 140	25,651	6.15 4.36	22.64 20.56	
4	Thu			0.00				450		11.225	7.7	141	13,217	140	13,106		18.76	
5	Fri			0.00				318		10.050	7.7	103	8,606	66	5,532	3.42	20.24	
6	Sat			0.00				380		8.583	7.8	88	6,272	134	9,592	3.23	23.40	
/ 8	Sun			0.25				350 319		14.342 10.641	7.7 7.8	106 124	12,621 10,980	94 136	11,244	2.49	13.12 18.96	
9	Mon Tue			0.00				300		11.008	8.1	115	10,526	124	11,384	4.32	21.28	
0	Wed			0.00				395		11.317	7.7	122	11,489	134	12,647	4.65	20.56	
1				0.07				240		10 700			44.044	4 4 7	40.004	4.00	00.00	
	age mum			0.07				310 460		10.793 14.342	8.1	129 211	11,644 19,038	147 292	13,201 25,651	4.20 6.15	20.93 24.28	
	num			0.00				207	L	8.583	7.6	87	6272	66	5532	2.49	13.12	
<u>.</u>	Data		0	30	0	2	0	25	0	30	30	30	30	30	30	30	30	0
ſ	Data I cert	ify under				3 docur				Prepared by		· · · · ·					onth, day,	
	were p syste and e respo	prepared em design evaluate t persons w onsible fo	under m ned to a he infor ho man r gather	ny direct ssure th mation : age the ing the i	ion or : at qua submit syster informa	superv lified p ted. Ba n, or th ation, t	ision in a ersonnel ased on n nose pers he inform	ccordanc properly ny inquin ons dire- ation sul	ce with a gather y of the ctly bmitted	La	Ua	_ 15	20			12-	-22	-22
	C	to the be omplete. omitting fa	l am aw alse info	vare that rmation	t there , includ	are sig ding th	nificant p e possibil	benalties lity of fine	for	Signature of (or attested I	by NetDA	IR subscrib	er agreemen		jent		onth, day,	
			impriso	onment	ior kno	wing v	violations.			$\lfloor \lfloor a \rfloor$	m	or	$(U \mathcal{S})$			(L	-22.	- 22

aura Ww

### MONTHLY REPORT OF OPERATION ACTIVATED SLUDGE TYPE WASTEWATER TREATMENT PLANT

State Form 10829 (R4 / 01-20)

Name of Facility	Permit Number	Month	Year
Elkhart	IN0025674	November	2022

EFFLUENT         MXED LOUGR         PETLEMENUME         EFFLUENT           F         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B		PRIMA				AE	RATIO	N			SECON					EFFLUE	=NT		
C       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O <tho< th=""> <tho< th=""></tho<></tho<>		EFFLUE	ENT	MIXED LI	QUOR				RETURN S	LUDGE	EFFLU	ENT	2001						
1       85       86       170       3,045       56       2.4       18       7,785       7,260       19       7,73       8.1         2       80       68       185       3,065       60       2.7       18       7,785       7,260       19       7,7       8.1         3       77       80       195       2,865       66       2.6       18       7,785       7,100       7.3       8.2         4       91       7.8       189       3,735       51       2.6       18       7,785       7,100       7.7       8.3       8.2         5       110       52       182       2,860       67       3.7       17       7,785       6,200       7.3       8.8         7       51       54       180       2,860       63       3.8       17       7,785       6,900       7.6       8.9       9       9       8       62       180       2,925       64       3.4       17       7,785       6,180       110       7.6       8.2       11       113       66       87       7.8       8.7       7.3       8.6       110       7.6       8.2       11       116 <th>Day Of Month</th> <th>CBOD5 - mg/l</th> <th>Susp. Solids - mg/l</th> <th>%</th> <th>Susp. Solids - mg/l</th> <th>Sludge Vol. Index - ml/gm</th> <th>Dissolved Oxygen - mg/l</th> <th>1</th> <th>Volume - MG</th> <th>Solids</th> <th>CBOD5 - mg/l</th> <th>Susp. Solids - mg/l</th> <th>Residual Chlorine - Final</th> <th>Residual Chlorine - Contact Tank</th> <th></th> <th>pH - daily low (or single sample)</th> <th>pH - daily high (if multiple samples)</th> <th>Dissolved Oxygen - mg/l</th> <th>Oil &amp; Grease (mg/l)</th>	Day Of Month	CBOD5 - mg/l	Susp. Solids - mg/l	%	Susp. Solids - mg/l	Sludge Vol. Index - ml/gm	Dissolved Oxygen - mg/l	1	Volume - MG	Solids	CBOD5 - mg/l	Susp. Solids - mg/l	Residual Chlorine - Final	Residual Chlorine - Contact Tank		pH - daily low (or single sample)	pH - daily high (if multiple samples)	Dissolved Oxygen - mg/l	Oil & Grease (mg/l)
3       77       60       195       2,965       66       2.6       18       7,785       7,100       7.2       7.5         4       91       78       189       2,735       51       2.6       18       7,785       7,100       7.2       7.5       7.5         6       110       52       182       2,860       67       3.7       17       7.785       6,200       7.3       8.8         7       51       54       180       2,860       63       3.8       17       7.785       6,240       7.3       8.2         8       7.6       7.8       128       2,830       61       4.3       17       7.785       6,240       7.6       8.9         9       98       62       180       2,825       64       3.4       17       7.785       6,060       10       7.5       7.3       8.2         11       113       66       187       3,100       60       2.8       17       7.785       6,180       11       7.6       8.6         12       93       60       186       2,120       7.8       3.8       16       7.785       5,760       4 <t< td=""><td></td><td></td><td>86</td><td></td><td>3,045</td><td>56</td><td></td><td>18</td><td></td><td>6,820</td><td></td><td></td><td></td><td></td><td>12</td><td></td><td></td><td>7.8</td><td></td></t<>			86		3,045	56		18		6,820					12			7.8	
4       91       78       189       3,735       51       2.6       18       7,785       6,200       7.4       8.3         6       109       52       192       2,860       67       3.7       17       7.785       6,200       7.3       8.8         7       51       54       180       2,860       63       3.8       17       7.785       6,240       7.3       8.8         7       51       54       180       2,826       64       3.4       17       7.785       6,240       7.6       8.9         9       98       62       180       2,825       64       3.4       17       7.785       6,040       8       7.8       8.7         10       74       61       192       2,965       65       2.5       18       7.785       6,040       8       7.8       8.7         11       113       66       187       3,100       60       2.8       17       7.785       6,180       11       7.6       8.2         12       93       60       186       2,620       7.4       8.0       7.4       8.1         13       90       62 <td>2</td> <td>80</td> <td></td> <td>185</td> <td>3,065</td> <td>60</td> <td>2.7</td> <td>18</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>19</td> <td></td> <td></td> <td>8.1</td> <td></td>	2	80		185	3,065	60	2.7	18							19			8.1	
5       110       52       188       2,745       68       3.0       18       7.785       6,200       7.3       8.8         6       109       52       192       2,860       67       3.7       17       7.785       6,200       7.3       8.8         7       51       54       180       2,860       63       3.8       17       7.785       6,240       7.8       7.8       8.7         9       98       62       100       2,855       64       3.4       17       7.785       6,040       8       7.8       8.7         10       74       61       192       2,865       65       2.5       18       7.785       6,040       10       7.5       7.3       8.2         11       113       66       187       3,100       60       2.8       17       7.785       6,180       11       7.4       8.8         12       93       60       186       2,260       70       3.8       16       7.785       6,760       4       7.3       8.7         14       67       58       212       2,770       78       3.8       16       7.785       6,																			
6       109       52       192       2,860       67       3.7       17       7.785       8,020       7       7.3       8.8         7       51       54       180       2,860       63       3.8       17       7.785       5,020       7.3       8.2         9       98       62       180       2,825       64       3.4       17       7.785       6,040       8       7.8       8.8       8.7         10       74       61       192       2,965       65       2.5       18       7.785       6,080       10       7.6       8.2         12       93       60       186       2,660       70       3.8       16       7.785       5,720       7.4       8.4         13       90       82       210       2,815       7.5       3.4       16       7.785       6,720       4       7.6       8.6         15       93       58       212       2,870       74       3.9       16       7.785       6,740       8       7.3       8.7         16       81       84       202       2,845       70       2.5       16       7.785       6,16																			
7       51       54       180       2,860       63       3.8       17       7.785       6,240       7.3       8.2         8       75       78       178       2,930       61       4.3       17       7.785       5,960       8       7.8       8.7         9       98       62       180       2,825       64       3.4       17       7.785       6,080       10       7.5       7.3       8.7         11       113       66       187       3,100       60       2.8       17       7.785       6,180       11       7.6       8.2         12       93       60       186       2,660       70       3.8       16       7.785       5,720       7.4       8.4         13       90       82       210       2,815       75       3.4       16       7.785       6,180       4       7.3       8.7         14       67       58       212       2,870       74       3.9       16       7.785       6,180       4       7.3       8.7         17       130       76       200       2,845       70       2.5       16       7.785       6,18																			
8       75       78       178       2,930       61       4.3       17       7.785       5,960       8       7.6       8.9         9       98       62       180       2,825       64       3.4       17       7.785       6,040       8       7.8       8.7         10       74       61       192       2,965       65       2.5       18       7.785       6,080       10       7.5       7.3         11       113       66       187       3,100       60       2.8       17       7.785       5,720       11       7.4       8.4         13       90       82       210       2,815       75       4.3       16       7.785       5,720       4       7.4       8.4         14       67       58       212       2,870       74       3.9       16       7.785       6,740       4       7.6       8.6         15       93       58       212       2,875       70       2.5       16       7.785       6,740       8       7.4       8.1         16       81       62       201       2,735       73       4.1       15       7.785				(															
9       98       62       180       2,825       64       3.4       17       7.785       6,040       10       7.6       7.8       8,7       10       7.6       7.3         10       74       61       192       2,965       65       2.5       18       7.785       6,180       10       7.5       7.3         11       113       66       186       2,660       70       3.8       16       7.785       5,720       7.4       8.4         13       90       82       210       2,815       75       4.3       16       7.785       5,760       4       7.6       8.6         14       67       58       212       2,707       78       3.8       16       7.785       6,760       4       7.6       8.6         15       93       58       212       2,870       78       3.8       16       7.785       6,740       8       7.3       8.7       .7         16       81       84       202       2,635       75       3.4       16       7.785       6,180       7.7       7.4       8.1         17       130       76       200       2,830<																			
10       74       61       192       2,965       65       2.5       18       7.785       6,080       10       7.5       7.3         11       113       66       187       3,100       60       2.8       17       7.785       6,180       111       7.6       8.2         12       93       60       186       2,660       70       3.8       16       7.785       5,520       7.4       8.4       9.0         14       67       58       212       2,720       78       3.8       16       7.785       5,520       7.4       7.4       8.4         15       93       58       212       2,720       78       3.8       16       7.785       6,740       8       7.3       8.7         16       81       84       202       2,695       75       3.4       16       7.785       6,180       7.4       8.1       8.7         17       130       76       200       2,845       70       2.5       16       7.785       6,180       7.4       8.1       8.7         18       110       60       196       3,075       64       2.8       16																			
11       113       66       187       3,100       60       2.8       17       7.785       6,180       11       7.6       8.2         12       93       60       186       2,660       70       3.8       16       7.785       5,720       7.4       8.4         13       90       82       210       2,815       75       3.8       16       7.785       5,760       7.6       7.4       9.0         14       67       58       212       2,720       78       3.8       16       7.785       6,760       7.6       4       7.6       8.6         15       93       58       212       2,720       78       3.4       16       7.785       6,740       8       7.3       8.7         16       81       84       202       2,695       75       3.4       16       7.785       6,180       7.4       8.1       1         18       100       60       196       3,075       64       2.8       16       7.785       6,180       7.7       7.8       8.8         19       81       62       201       2,735       73       4.1       15       7																			
12       93       60       186       2,660       70       3.8       16       7.785       5,720       Image: State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State Stat																			
13       90       82       210       2,815       75       4.3       16       7.785       5,520       1       1       7.4       9.0         14       67       58       212       2,720       78       3.8       16       7.785       5,760       4       4       7.6       8.6         15       93       58       212       2,870       74       3.9       16       7.785       6,180       4       7.3       8.7         16       81       84       202       2,895       75       3.4       16       7.785       6,320       7.4       8.1       8.7         18       110       60       196       3,075       64       2.8       16       7.785       6,180       7.74       9.1         20       99       70       205       2,835       73       4.1       15       7.785       6,180       7.5       9.4       9.0         21       92       64       210       2,765       76       3.6       15       7.785       5,520       20       7.8       9.0         22       145       110       204       2,770       74       3.8       16															11				
14       67       58       212       2,720       78       3.8       16       7.785       5,760       4       7.6       8.6         15       93       58       212       2,870       74       3.9       16       7.785       6,180       4       7.3       8.7         16       81       84       202       2,695       75       3.4       16       7.785       6,740       8       7.3       8.7         17       130       76       200       2,845       70       2.5       16       7.785       6,320       7.4       8.1       7.4       8.1         18       100       60       196       3,075       64       2.8       16       7.785       6,180       7.4       9.1         20       99       70       205       2,830       72       5.1       14       7.785       6,180       7.75       9.4         21       92       64       210       2,770       76       3.6       15       7.785       5,820       8       7.7       8.9         21       102       04       2,770       74       3.8       16       7.785       5,820       <										5,720									
15       93       58       212       2,870       74       3.9       16       7.785       6,180       4       7.3       8.7         16       81       84       202       2,695       75       3.4       16       7.785       6,740       8       7.3       8.7         17       130       76       200       2,845       70       2.5       16       7.785       6,320       7.8       8       7.3       8.7         18       110       60       196       3,075       64       2.8       16       7.785       6,180       7.4       9.1         20       99       70       205       2,830       72       5.1       14       7.785       6,180       7.6       9.0       7.6       9.1         21       92       64       210       2,765       7.6       3.6       15       7.785       5,520       20       8       7.6       9.3         23       124       64       208       2,955       70       2.8       16       7.785       5,800       8       7.6       8.3         24       106       70       202       2,865       72       4.																			
16       81       84       202       2,695       75       3.4       16       7.785       6,740        8       7.3       8.7         17       130       76       200       2,845       70       2.5       16       7.785       6,320        7.4       8.1         18       110       60       196       3,075       64       2.8       16       7.785       6,180        7.4       8.1         19       81       62       201       2,735       73       4.1       15       7.785       6,180        7.4       9.1         20       99       70       205       2,830       72       5.1       14       7.785       6,180        7.8       9.0         21       92       64       210       2,770       74       3.8       16       7.785       5,820        8       7.7       8.9         23       124       64       208       2,955       70       2.8       16       7.785       5,880        8       7.7       8.9         24       106       70       202       3,180       64																			
17       130       76       200       2,845       70       2.5       16       7.785       6,320																			
18       110       60       196       3,075       64       2.8       16       7.785       6,180        7.8       8.8         19       81       62       201       2,735       73       4.1       15       7.785       6,100        7.4       9.1          20       99       70       205       2,830       72       5.1       14       7.785       6,180        7.5       9.4          21       92       64       210       2,765       76       3.6       15       7.785       5,520        8       7.6       9.0         22       145       110       204       2,770       74       3.8       16       7.785       5,820        8       7.6       9.3         23       124       64       208       2,955       70       2.8       16       7.785       5,820        8       7.7       8.9          24       106       70       202       3,180       64       4.1       16       7.785       5,880         7.7       9.4										6,740					8				
19       81       62       201       2,735       73       4.1       15       7.785       6,100       7.4       9.1         20       99       70       205       2,830       72       5.1       14       7.785       6,180       7.5       9.4         21       92       64       210       2,765       76       3.6       15       7.785       5,520       8       20       7.8       9.0         22       145       110       204       2,770       74       3.8       16       7.785       5,820       8       7.6       9.3         23       124       64       208       2,955       70       2.8       16       7.785       5,820       8       7.7       8.9         24       106       70       202       3,180       64       4.1       16       7.785       5,880       77       8.3       3         25       70       38       206       2,865       72       4.1       16       7.785       5,880       77       7.8       9.4         26       78       66       204       2,715       75       4.2       15       7.785       6										6,320									
20       99       70       205       2,830       72       5.1       14       7.785       6,180       -       7.5       9.4       -         21       92       64       210       2,765       76       3.6       15       7.785       5,520       -       20       7.8       9.0         22       145       110       204       2,770       74       3.8       16       7.785       5,820       -       8       7.6       9.3       -         23       124       64       208       2,955       70       2.8       16       7.785       5,800       -       8       7.7       8.9       -         24       106       70       202       3,180       64       4.1       16       7.785       5,880       -       -       7.6       8.3       -         25       70       38       206       2,865       72       4.1       16       7.785       5,880       -       -       7.7       9.4       -       -       7.6       8.3       -       9.4       -       -       7.7       9.4       -       -       -       7.6       8.3       -																			
21       92       64       210       2,765       76       3.6       15       7.785       5,520        20       7.8       9.0          22       145       110       204       2,770       74       3.8       16       7.785       5,820        8       7.6       9.3          23       124       64       208       2,955       70       2.8       16       7.785       5,800        8       7.7       8.9          24       106       70       202       3,180       64       4.1       16       7.785       5,880         7.6       8.3          25       70       38       206       2,865       72       4.1       16       7.785       5,840         7.8       9.4          26       78       66       204       2,715       75       4.2       15       7.785       5,840         7.1       8.7        8.7        9.4         7.1       8.7        2.8       7.6       132       2,615       70       3.9																			
22       145       110       204       2,770       74       3.8       16       7.785       5,820        8       7.6       9.3         23       124       64       208       2,955       70       2.8       16       7.785       5,300       88       7.7       8.9         24       106       70       202       3,180       64       4.1       16       7.785       5,880        7.6       8.3         25       70       38       206       2,865       72       4.1       16       7.785       5,880        7.7       9.4         26       78       66       204       2,715       75       4.2       15       7.785       5,840        7.7       9.4         27       87       76       205       2,565       80       4.1       13       7.785       5,840        12       7.3       9.4         28       76       50       182       2,615       70       3.9       15       7.785       5,700       13       7.4       8.6         30       77       64       188       2,790       67       3.7										6,180									
23       124       64       208       2,955       70       2.8       16       7.785       5,300       Image: Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Sy																			
24       106       70       202       3,180       64       4.1       16       7.785       5,880          7.6       8.3          25       70       38       206       2,865       72       4.1       16       7.785       5,880          7.7       9.4         26       78       66       204       2,715       75       4.2       15       7.785       5,840         7.8       9.4         27       87       76       205       2,565       80       4.1       13       7.785       5,840         7.1       8.7         28       76       50       182       2,615       70       3.9       15       7.785       6,260        13       7.4       8.6         29       80       56       200       2,595       77       2.4       15       7.785       6,700        13       7.4       8.6         30       77       64       188       2,790       67       3.7       15       7.785       6,241        10         4       7.10 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u> </u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>											<u> </u>								
25       70       38       206       2,865       72       4.1       16       7.785       5,880          7.7       9.4         26       78       66       204       2,715       75       4.2       15       7.785       5,840         7.8       9.4         27       87       76       205       2,565       80       4.1       13       7.785       7,120         7.1       8.7         28       76       50       182       2,615       70       3.9       15       7.785       6,260        13       7.4       8.6         29       80       56       200       2,595       77       2.4       15       7.785       6,260        13       7.4       8.6         30       77       64       188       2,790       67       3.7       15       7.785       6,700         7       7.7       8.7         31       -       -       -       -       -        10         8.6         Max       145       110       212       3,735															8				
26       78       66       204       2,715       75       4.2       15       7.785       5,840          7.8       9.4         27       87       76       205       2,565       80       4.1       13       7.785       7,120         7.1       8.7         28       76       50       182       2,615       70       3.9       15       7.785       6,260         12       7.3       9.2         29       80       56       200       2,595       77       2.4       15       7.785       6,700         13       7.4       8.6         30       77       64       188       2,790       67       3.7       15       7.785       6,700         7       7.7       8.7         31       -       -       -       -       -       -        10       -       -       8.6         Max       145       110       212       3,735       80       5.1       18       7.785       6,241         10       -       -       8.6         Max<																			
27       87       76       205       2,565       80       4.1       13       7.785       7,120         7.1        8.7         28       76       50       182       2,615       70       3.9       15       7.785       6,260         12       7.3        9.2         29       80       56       200       2,595       77       2.4       15       7.785       6,700         13       7.4        8.6         30       77       64       188       2,790       67       3.7       15       7.785       6,700         7       7.7        8.7         31       -       -       -       -       -          7       7.7       8.7         Avg       91       67       196       2,872       69       3.5       16       7.785       6,241         10																			
28       76       50       182       2,615       70       3.9       15       7.785       6,260       12       7.3       9.2         29       80       56       200       2,595       77       2.4       15       7.785       5,700       13       7.4       8.6         30       77       64       188       2,790       67       3.7       15       7.785       6,700       13       7.4       8.6         31       -       -       -       -       -       -       -       -       8.7         Avg       91       67       196       2,872       69       3.5       16       7.785       6,241       -       -       10       -       8.6         Max       145       110       212       3,735       80       5.1       18       7.785       8,020       -       4       7.10       7.8       9.4         Min.       51       38       170       2565       51       2.4       13       7.785       5300       4       20       -       7.8       9.4         Daily Max       # of Days above 235       -       -       -       -																			
29       80       56       200       2,595       77       2.4       15       7.785       5,700       113       7.4       8.6         30       77       64       188       2,790       67       3.7       15       7.785       6,700       7       7.7       8.7         31       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>12</td> <td></td> <td></td> <td></td> <td></td>															12				
30       77       64       188       2,790       67       3.7       15       7.785       6,700       7       7.7       8.7         31																			
31																			
Avg       91       67       196       2,872       69       3.5       16       7.785       6,241       Image: Constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of th		11		100	2,100	01	0.1		1.100	0,100		1				1.1		0.1	
Max       145       110       212       3,735       80       5.1       18       7.785       8,020       20       7.8       9.4         Min.       51       38       170       2565       51       2.4       13       7.785       5300       4       7.10       7.3         Daily Max       20         # of Days above 235       4       7.10       7.3			67	196	2 872	69	35	16	7 785	6 241					10	1		86	
Min.       51       38       170       2565       51       2.4       13       7.785       5300       4       4       7.10       7.3         Daily Max       ***********************************																	78		
Daily Max     20       # of Days above 235     0														1					
# of Days above 235						~ I						1		1					
			ove 235																
				30	30	30	30	30	30	30	0	0	1	0	14	30	o	30	0

Comments for the Month (major repairs, breakdowns, process upsets and their causes, inplant treatment process bypass, etc.):

## MONTHLY REPORT OF OPERATION ACTIVATED SLUDGE TYPE

### WASTEWATER TREATMENT PLANT

	Form 1 of Facili	0829 (R4 / 01 ty	-20)	Permit Numb	er	Month		Year		1							
Elkhar	t			IN00256	674	Nove	mber	20	22								
		<b>F1</b>		DOD			F	INAL EF									
		Flow	1	BOD		(		Total Si	uspende	ed Solids	3	Ammor				Phosph	orus
Day Of Month	Day of Week	Effluent Flow Rate (MGD)	Effluent Flow Weekly Average	CBOD5 - mg/l	CBOD5 - mg/l Weekly Average	CBOD5 - Ibs/day	CBOD5 - Ibs/day Weekly Average	Susp. Solids - mg/l	Susp. Solids - mg/l Weekly Average	Susp. Solids - Ibs/day	Susp. Solids - Ibs/day Weekly Average	Ammonia - mg/l	Ammonia - mg/l Weekly Average	Ammonia - Ibs/day	Ammonia - Ibs/day Weekly Average	Phosphorus - mg/l	Phosphorus - Ibs/day
	Tue	12.412		2		242		4		373		0.29		30.0		0.76	79
2	Wed	12.217		2		175		4		408		0.34		34.6		0.93	95
3	Thu	12.147		2		176		4		395		0.71		71.9		0.88	89
4	Fri	11.951	40.050	2	0.00	230	050	4	1.00	409	405	0.14	0.00	14.0		0.92	92
5	Sat	11.805	12.959	3	2,39	282	259	4	4.00	354	435	0.10	0.29	9.8	32	1.32	130
0	Sun	11.356		3		284 126		4		350		0.06		5,7		1.45	137
- /	Mon	11.915 11.931		2		126		4		328		0.10		9.9		1.44	143
0	Tue	12.020		2		195		4		398 361		0.08		6.0 9.0		1.47	146 137
10	Wed	12.020		2		195		4		366		0.09		18.3		1.02	104
11	Thu	11.544		2		190		4		337		0.18		8.7		0.85	82
		11.098	11.724	3	2.11	295	204	4	3.67	370	359	0.09	0.09	7.4	9	0.85	87
13		11.387	11.724	2	2.11	295	204	3	3.07	247	309	0.08	0.09	3.8	9	1.00	95
14	Sun Mon	12.107		2		228		3		313		0.04		9.1		0.86	87
15	Mon	12.107		2		227		3		344		0.00		13.1		0.82	83
16	Wed	12.283		2		165		2		246		0.10		10.1		0.79	81
17	Thu	12.147		3		321		3		334		0.14		14.2		0.79	80
18		11.776		2		226		34		3,339		0.08		7.9		0.73	72
19	Sat	11.027	11.835	2	2.20	132	218	3	7.43	294	731	0.06	0.09	5.5	9	0.78	72
20	Sun	11.194		2		170		3		280		0.05		4.7		0.82	77
21	Mon	12.038		2		236		4		432		0.17		17.1		0.76	76
22	Tue	11.845		3		259		5		504		0.22		21.7		0.71	70
	Wed	12.097		2		183		4		393		0.29		29.3		1.06	107
24	Thu	11.256		2		185		4		376		0.12		11.3		0.96	90
25	Fri	10.442		2		182		4		322		0.07		6.1		0.94	82
26	Sat	10.556	11.347	2	2.09	173	198	4	3.93	308	374	0.07	0.14	6.2	14	0.93	82
27	Sun	19.608		3		437		5		785		0.07		11.4		0.88	144
	Mon	12.323		3		287		4		442		0.12		12.3		0,66	68
29		12.418		3		315		5		507		0.52		53.9		0.74	77
30 31	Wed	12.214	13.326	3	2.59	287	293	5	4.77	469	518	0.22	0.18	22.4	20	0.81	83
Avg		12.048		2		226		5		479	_	0.16		16.2		0.95	95
Max		19.608	13.326	3	2.59	437	293	34	7.43	3,339	731	0.71	0.29	71.9	32	1.5	146
Min		10.442	11.347	2	2.09	126	198	2	3.67	246	359	0.04	0.09	3.8	9	0.7	68
Data		30															

	MONTHLY RE	MOVAL SUM	MARY		Total Monthly Flo	w:
Percent Removal	BOD5	S.S.	Ammonia	Phosphorus	(million gallons)	361
Primary Treatment	29.29	54.4				
	NA	NA			Percent Capacity	,
Secondary Treatment	97.5	92.8			(actual flow/design)	60%
Overall Treatment	98.22	96.7	99.2	77.5		
Phosphorus limit would be	80	% removal.	(compliance r	not achieved)		

### MONTHLY REPORT OF OPERATION ACTIVATED SLUDGE TYPE WASTEWATER TREATMENT PLANT

State Form 10829 (R4 / 01-20)

Elkhart	IN0025674	November	2022
Name of Facility			Year

125.99216.007.2885.2 $30.02$ $216.00$ 7.2 $90$ 44.3 $29.03$ $216.00$ 7.2 $90$ 44.4 $19.99$ $216.00$ 7.2 $91$ 44.5 $29.72$ $216.00$ 7.3 $91$ $3.537$ $3.$ 6 $30.00$ $216.00$ 7.3 $92$ $21.222$ $4.$ 7 $13.02$ $216.00$ 7.3 $90$ $3.$ 8 $29.01$ $216.00$ 7.2 $89$ $7.074$ $4.$ 9 $10.20$ $216.00$ $7.2$ $87$ $3.$ 10 $13.09$ $216.00$ $7.2$ $87$ $3.$ 11 $28.55$ $216.00$ $7.2$ $87$ $3.537$ 4. $12$ $28.02$ $216.00$ $7.2$ $87$ $3.537$ 11 $28.52$ $216.00$ $7.2$ $87$ $3.537$ 4. $13$ $28.02$ $216.00$ $7.2$ $87$ $4.$ 13 $28.02$ $216.00$ $7.2$ $87$ $4.$ 14 $16.09$ $216.00$ $7.2$ $87$ $4.$ 15 $29.25$ $216.00$ $7.2$ $83$ $0.000$ $4.$ 19 $27.02$ $216.00$ $7.2$ $83$ $0.000$ $4.$ 19 $27.02$ $216.00$ $7.2$ $82$ $10.611$ $4.$ $20$ $21.99$ $216.00$ $7.2$ $80$ $0.000$ $5.$ $21$ $20.05$ $216.00$ $7.2$ <th>s in Digested ds in Incoming ds in Digested udge Withdrawn x 1000</th>	s in Digested ds in Incoming ds in Digested udge Withdrawn x 1000
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1 $25.99$ $216.00$ $7.2$ $88$ 5.2 $30.02$ $216.00$ $7.2$ $90$ $4.$ 3 $29.03$ $216.00$ $7.2$ $90$ $4.$ 4 $19.99$ $216.00$ $7.2$ $91$ $4.$ 5 $29.72$ $216.00$ $7.3$ $91$ $3.537$ $3.$ 6 $30.00$ $216.00$ $7.3$ $92$ $21.222$ $4.$ 7 $13.02$ $216.00$ $7.3$ $90$ $3.$ 8 $29.01$ $216.00$ $7.2$ $89$ $7.074$ $4.$ 9 $10.20$ $216.00$ $7.2$ $87$ $3.$ 10 $13.09$ $216.00$ $7.2$ $87$ $3.$ 11 $28.55$ $216.00$ $7.2$ $87$ $3.$ 11 $28.55$ $216.00$ $7.2$ $87$ $3.537$ $4.$ 12 $28.02$ $216.00$ $7.2$ $87$ $3.537$ $4.$ 13 $28.02$ $216.00$ $7.2$ $87$ $4.$ 14 $16.09$ $216.00$ $7.2$ $87$ $4.$ 15 $29.25$ $216.00$ $7.2$ $83$ $0.000$ $4.$ 14 $16.09$ $216.00$ $7.2$ $83$ $0.000$ $4.$ 15 $29.25$ $216.00$ $7.2$ $84$ $3.537$ $4.$ 16 $27.02$ $216.00$ $7.2$ $83$ $0.000$ $4.$ 19 $27.02$ $216.00$ $7.2$ $82$ $10.611$ $4.$ $22$ $26.1$	e - % Solids in I e - % e - % e - % e - % e - % e - % c - % c - % c - % c - %
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419.99 $216.00$ 7.2914.529.72 $216.00$ 7.391 $3.537$ 3.6 $30.00$ $216.00$ 7.392 $21.222$ 4.7 $13.02$ $216.00$ 7.3903.8 $29.01$ $216.00$ 7.2 $89$ $7.074$ 4.9 $10.20$ $216.00$ 7.2 $87$ 3.10 $13.09$ $216.00$ 7.2 $87$ 3.11 $28.55$ $216.00$ 7.2 $88$ $35.370$ 4.12 $28.02$ $216.00$ 7.2 $87$ $3.537$ 4.13 $28.02$ $216.00$ 7.2 $87$ $3.537$ 4.13 $28.02$ $216.00$ 7.2 $87$ $4.$ 14 $16.09$ $216.00$ 7.2 $87$ $4.$ 15 $29.25$ $216.00$ 7.2 $87$ $4.$ 15 $29.25$ $216.00$ $7.2$ $83$ $0.000$ $4.$ 16 $27.02$ $216.00$ $7.2$ $83$ $0.000$ $4.$ 19 $27.02$ $216.00$ $7.2$ $83$ $0.000$ $4.$ 19 $27.02$ $216.00$ $7.2$ $82$ $10.611$ $4.$ 20 $21.99$ $216.00$ $7.2$ $80$ $0.000$ $5.$ 21 $20.05$ $216.00$ $7.2$ $80$ $0.000$ $5.$ 24 $20.00$ $216.00$ $7.2$ $80$ $0.000$ $5.$ 24 $20.00$ <td>4.50   1.89   74.30   59.00   101.30    </td>	4.50   1.89   74.30   59.00   101.30
529.72216.007.391 $3.537$ 3.630.00216.007.39221.2224.713.02216.007.3903.829.01216.007.2897.0744.910.20216.007.2873.1013.09216.007.18821.2223.1128.55216.007.2873.5374.1228.02216.007.2873.5374.1328.02216.007.2873.5374.1328.02216.007.2874.1529.25216.007.2874.1529.25216.007.28414.1484.1627.02216.007.2830.0004.1927.02216.007.2830.0004.1927.02216.007.2815.2120.05216.007.28210.6114.2226.15216.007.2800.0005.2420.00216.007.2800.0005.2420.00216.007.2807.2525.05216.007.2807.2618.04216.007.18010.6114.	4.39 1.96 74.62 57.83 101.26
6 $30.00$ $216.00$ $7.3$ $92$ $21.222$ $4.$ 7 $13.02$ $216.00$ $7.3$ $90$ $3.$ 8 $29.01$ $216.00$ $7.2$ $89$ $7.074$ $4.$ 9 $10.20$ $216.00$ $7.2$ $87$ $3.$ 10 $13.09$ $216.00$ $7.2$ $87$ $3.$ 11 $28.55$ $216.00$ $7.2$ $88$ $35.370$ $4.$ 12 $28.02$ $216.00$ $7.2$ $87$ $3.537$ $4.$ 13 $28.02$ $216.00$ $7.2$ $87$ $4.$ 13 $28.02$ $216.00$ $7.2$ $87$ $4.$ 14 $16.09$ $216.00$ $7.2$ $87$ $4.$ 15 $29.25$ $216.00$ $7.2$ $84$ $14.148$ $4.$ 16 $27.02$ $216.00$ $7.2$ $84$ $3.537$ $4.$ 17 $28.52$ $216.00$ $7.2$ $83$ $0.000$ $4.$ 19 $27.02$ $216.00$ $7.2$ $83$ $0.000$ $4.$ 19 $27.02$ $216.00$ $7.2$ $82$ $10.611$ $4.$ 20 $21.99$ $216.00$ $7.2$ $80$ $0.000$ $5.$ 21 $20.05$ $216.00$ $7.2$ $80$ $0.000$ $5.$ 23 $25.00$ $216.00$ $7.2$ $80$ $0.000$ $5.$ 24 $20.00$ $216.00$ $7.2$ $80$ $0.000$ $5.$ 24 $20.00$ $216.00$ $7.2$	4.23 0.94 73.18 59.00
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829.01216.007.2897.0744.910.20216.007.2873.1013.09216.007.18821.2223.1128.55216.007.2873.5374.1228.02216.007.2873.5374.1328.02216.007.2873.5374.1416.09216.007.2874.1529.25216.007.2874.1627.02216.007.28414.1481627.02216.007.2843.5374.1728.52216.007.2830.0004.1927.02216.007.2830.0004.1927.02216.007.2815.2120.05216.007.28010.6114.2226.15216.007.2800.0005.2420.00216.007.2807.2525.05216.007.28035.3704.2618.04216.007.18010.6114.	4.60 2.30 79.51 59.82
910.20216.007.2873.1013.09216.007.18821.2223.1128.55216.007.288 $35.370$ 4.1228.02216.007.287 $3.537$ 4.1328.02216.007.287 $3.537$ 4.1416.09216.007.2874.1529.25216.007.2874.1627.02216.007.28414.1481627.02216.007.2843.5371828.85216.007.2830.0004.1927.02216.007.2831927.02216.007.2815.2120.05216.007.28210.6114.2226.15216.007.2800.0005.2420.00216.007.2807.2525.05216.007.28035.3704.2618.04216.007.18010.6114.	3.81 2.46 82.00 60.08 87.11
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1328.02216.007.3864.1416.09216.007.2874.1529.25216.007.28414.1484.1627.02216.007.28517.6854.1728.52216.007.2843.5374.1828.85216.007.2830.0004.1927.02216.007.2815.2120.05216.007.2815.2120.05216.007.28210.6114.2226.15216.007.28010.6115.2325.00216.007.2807.2525.05216.007.2807.2525.05216.007.28035.3704.2618.04216.007.18010.6114.	4.28 2.29 78.85 60.45
14         16.09         216.00         7.2         87         4.           15         29.25         216.00         7.2         84         14.148         4.           16         27.02         216.00         7.2         85         17.685         4.           17         28.52         216.00         7.2         84         3.537         4.           18         28.85         216.00         7.2         83         0.000         4.           19         27.02         216.00         7.2         81         5.         5.           21         20.05         216.00         7.2         81         5.         5.           21         20.05         216.00         7.2         82         10.611         4.           22         26.15         216.00         7.2         80         10.611         5.           23         25.00         216.00         7.2         80         0.000         5.           24         20.00         216.00         7.2         80         7.         25         25.05         216.00         7.2         80         7.           25         25.05         216.00         7.2 <td>4.11 2.36 82.33 59.18</td>	4.11 2.36 82.33 59.18
15       29.25       216.00       7.2       84       14.148       4.         16       27.02       216.00       7.2       85       17.685       4.         17       28.52       216.00       7.2       84       3.537       4.         18       28.85       216.00       7.2       83       0.000       4.         19       27.02       216.00       7.3       84       42.444       4.         20       21.99       216.00       7.2       81       5.         21       20.05       216.00       7.2       82       10.611       4.         22       26.15       216.00       7.2       80       10.611       5.         23       25.00       216.00       7.2       80       0.000       5.         24       20.00       216.00       7.2       80       7.         25       25.05       216.00       7.2       80       7.         25       25.05       216.00       7.2       80       7.         26       18.04       216.00       7.1       80       10.611       4.	4.21 2.29 84.16 60.31 93.68
16         27.02         216.00         7.2         85         17.685         4.           17         28.52         216.00         7.2         84         3.537         4.           18         28.85         216.00         7.2         83         0.000         4.           19         27.02         216.00         7.2         83         0.000         4.           20         21.99         216.00         7.2         81         5.         5.           21         20.05         216.00         7.2         82         10.611         4.           22         26.15         216.00         7.2         80         10.611         5.           23         25.00         216.00         7.2         80         0.000         5.           24         20.00         216.00         7.2         80         7.           25         25.05         216.00         7.2         80         7.           25         25.05         216.00         7.2         80         7.           25         25.05         216.00         7.2         80         35.370         4.           26         18.04         216.00 </td <td>4.01 2.30 75.88 59.73 94.37</td>	4.01 2.30 75.88 59.73 94.37
17         28.52         216.00         7.2         84         3.537         4.           18         28.85         216.00         7.2         83         0.000         4.           19         27.02         216.00         7.3         84         42.444         4.           20         21.99         216.00         7.2         81         5.           21         20.05         216.00         7.2         82         10.611         4.           22         26.15         216.00         7.2         80         10.611         5.           23         25.00         216.00         7.2         80         0.000         5.           24         20.00         216.00         7.2         80         7.           25         25.05         216.00         7.2         80         7.           25         25.05         216.00         7.2         80         7.           25         25.05         216.00         7.2         80         35.370           26         18.04         216.00         7.1         80         10.611         4.	4.49 2.30 74.86 61.72 97.80
18         28.85         216.00         7.2         83         0.000         4.           19         27.02         216.00         7.3         84         42.444         4.           20         21.99         216.00         7.2         81         5.           21         20.05         216.00         7.2         82         10.611         4.           22         26.15         216.00         7.0         80         10.611         5.           23         25.00         216.00         7.2         80         0.000         5.           24         20.00         216.00         7.2         80         7.           25         25.05         216.00         7.2         80         7.           25         25.05         216.00         7.2         80         7.           25         25.05         216.00         7.2         80         35.370         4.           26         18.04         216.00         7.1         80         10.611         4.	4.76 2.21 75.27 60.70 65.43
19       27.02       216.00       7.3       84       42.444       4.         20       21.99       216.00       7.2       81       5.         21       20.05       216.00       7.2       82       10.611       4.         22       26.15       216.00       7.0       80       10.611       5.         23       25.00       216.00       7.2       80       0.000       5.         24       20.00       216.00       7.2       80       7.         25       25.05       216.00       7.2       80       35.370       4.         26       18.04       216.00       7.1       80       10.611       4.	4.22 2.18 78.57 62.25
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22         26.15         216.00         7.0         80         10.611         5.           23         25.00         216.00         7.2         80         0.000         5.           24         20.00         216.00         7.2         80         7.           25         25.05         216.00         7.2         80         7.           25         25.05         216.00         7.2         80         35.370         4.           26         18.04         216.00         7.1         80         10.611         4.	4.96 2.30 78.75 62.55 97.89
23         25.00         216.00         7.2         80         0.000         5.           24         20.00         216.00         7.2         80         7.           25         25.05         216.00         7.2         80         35.370         4.           26         18.04         216.00         7.1         80         10.611         4.	5.42 2.09 79.26 63.24 97.48
24         20.00         216.00         7.2         80         7.           25         25.05         216.00         7.2         80         35.370         4.           26         18.04         216.00         7.1         80         10.611         4.	5.56 2.23 73.72 62.74 101.25
25         25.05         216.00         7.2         80         35.370         4.           26         18.04         216.00         7.1         80         10.611         4.	7.51 2.32 72.40 63.56
26 18.04 216.00 7.1 80 10.611 4.	4.98 2.21 77.51 62.28
	4.22 2.13 77.73 63.02
	5.72 2.28 78.68 62.15
	6.29 2.36 78.37 63.00 68.83
29 20.00 216.00 7.2 80 4.	4.71 2.33 80.12 64.00 101.09
30 25.70 216.00 7.2 80 2.	
31	2.02 2.37 71.14 62.28 97.21
Avg. 23.75 216.00 85 14.811 4.	
	2.02 2.37 71.14 62.28 97.21
	2.02         2.37         71.14         62.28         97.21           4.57         2.21         77.31         60.95         94.06
Data 30 30 30 0 30 16 0	2.02       2.37       71.14       62.28       97.21         4.57       2.21       77.31       60.95       94.06         7.51       2.50       84.16       64.00       101.30

Once completed, this form should be converted to a pdf document, named appropriately & attached to the corresponding netDMR for submittal

### MONTHLY REPORT OF OPERATION ACTIVATED SLUDGE TYPE WASTEWATER TREATMENT PLANT

State For Name of F	m 10829 (F acility	R4 / 01-20) Permit Num	ber	Month		Year		1								
Elkhart	-	IN0025		Nove	mhor		22									
				State Form		20	<u></u>	_								
			Effluent				[					1				
	Chlo	oride		Nitrogen	]											
1	Chloride - mg/l	Chloride - Ibs/day	Total Nitrogen- mg/l 08	Total Nitrogen- Ibs/day	0 Ag - Influent mg/l	O OO Ag - Effluent mg/L	o 00 Cd - Influent mg/L	o 00 02 02 02 02 02 02 02 02 02 02 02 02	CN - Influent mg/L	CN - Effluent mg/L	0 010 01 01 01 01 01 01 01	0 00 00 Cr - Effluent mg/L	0.09 Cu - Influent mg/L	0.0052 Cu - Effluent mg/L	Hg - Influent ng/L	Hg - Effluent ng/L
2															23.2000	1.1600
3	••••••••••••••••••••••••••••••••••••••									-						
4																
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6 7																
8					0.0002	0.0002										<b> </b>
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26			1.													
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28																
29					0.0002	0.0002										
30																
31			-													
Avg.			12.80	1,325		0.0002			-					0.0053		
Max.			10.00	1205		0.0002								0.0053		
Min.			12.80	1325	0.0002	0.0002	0.0007	0.0002			0.0121	0.0002	0.0965	0.0053	23.2000	1.1600
Data	0	0	1	1	5	5	1	1	0	0	1	1	1	1	1	1

### WASTEWATER TREATMENT PLANT

State Name	Form 10829 of Facility	(R4 / 01-20 Permit Numb	) Der	Month		Year		I								
Elkhar	t	IN00256	574	Nove	ember	20	22									
				State For				-								
										:						
Day Of Month	Ni - Influent mg/L	Ni - Effluent mg/L	Pb - Influent mg/L	Pb - Effluent mg/L	Zn - Influent mg/L	Zn - Effluent mg/L										
1	0.0289	0.0073	0.0064	0.0010	0.1570	0.0238										t
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Avg.	0.0289	0.0073	0.0064	0.0010	0.1570	0.0238										
Max	0.0289	0.0073	0.0064	0.0010	0.1570	0,0238										L
Min.	0.0289	0.0073	0.0064	0.0010	0.1570	0,0238										ļ
Data	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	



City:	Elkhart				INMENIAL M					Page	1 of	9		2000 P	'erm	lit Number:	IN	0025574	
Facility:	Elkhart Po	ublic Worl	ks & Utilities	5								ublic No	lific	ation Requ	irem	ients Met?	Y		
Monitori	ing Period	: No	vember	2022							E	nter "x" i	f no	CSO disch	arg	e occurred	for	the month:	: x
Design I	Peak Hour	ly Flow (N	IGD):	44	Design Ave	erage Flow	(MGD):	20		Measured/	Met	ered (M)	or E	stimated (E	:) m	ust be spec	cifie	d	
WWTF	<u>Influent</u>	Data		Pro	ecipitation D	ata			с	SO Outfall	No.	005			<u> </u>	SO Outfall	No.	006	
Day of Month	Average Daily Flow (MGD)	Peak Hourly Flow (MGD)	Time Precip. Began (am/pm)	Precip. Duration (Hours)	Total Daily Precip. (Inches)	Peak Intensity (inch/hr)	Measureme nt Interval (hr, 30 m, 15 m)		Mor	Event Duration (Hours)	Mor	Event Discharg e (MG)	M or E		M or E	Event Duration (Hours)	MorE	Event Discharge (MG)	M or E
1	11.20	13.40	4:14 PM	0.08	0.01	0.04	15 min												Γ
2	11.00	12.20	6:22 AM	0,08	0.01	0.04	15 min												
3	11.10	12.30	-				15 min												
4	10.90	13.10					15 min												
5	10.80	14.00	8:22 AM	7.00	0.07	0.12	15 min										1		T
6	10.30	12.20					15 min												T
7	10.70	13.10					15 min		Γ										
8	10.99	12.70					15 min												
9	10.80	12.60					15 min												
10	11.10	12.60					15 min												T
11	10.31	12.60					15 min	-											
12	10.59	12.40	1:07 PM	7.95	0.06	0.08	15 min												
13	9.90	12.60	10:42 AM	10.78	0.19	0.12	15 min												T
14	10.94	12.60	11:02 AM	0.08	0.01	0.04	15 min												T
15	11.22	15.20	4:44 PM	5.25	0,06	0.04	15 min												
16	11.07	12.40	12:44 AM	19,02	0.12	0,04	15 min												
17	10.81	12.60	12:47 PM	4,08	0,05	0.04	15 min												
18	10.96	13.10					15 min										Ι		
19	10.03	12.20					15 min												
20	10.26	12.60	11:14 AM	4.97	0.09	0.04	15 min												
21	10.53	13.10	11:12 AM	4.63	0.17	0.08	15 min												
22	10.53	13.30					15 min												
23	10.60	12,40					15 min												
24	11.23	13.70	8:42 AM	11.00	0.08	0.12	15 min												
25	10.05	11.70					15 min												
26	8.58	11.60					15 min												
27	14.34	25.70	5:01 AM	11.00	0.69	0.36	15 min												Γ
28	10.64	12.60					15 min												
29	11.01	14.30	3:47 PM	7.23	0.04	0.08	15 min												
30	11.32	12.70					15 min												
Totals:	323.80			93,15	1.65			0	Da ys	0.00		0		0	Da ys	0.00		0	



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	Elkhart												Page					le di A	nit Number	2	0025574			
	Elkhart P	195201																	nents Met?	311 S			s enere (5). Secretaria	
	ing Period:		Novem													120012			discharg	il hini	NAME OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A	or ti	<u>ne month</u>	<u>: x</u>
Design	Peak Flow				44	1000	Design Fl	ow	(MGD):		20	HASS.	Measured	Sa. 2.				<u>=) m</u>	ust be spe	cifie	ed			
			O Outfall	<u>No.</u>	007			CS	O Outfall	No.	008		<u> </u>	CS	<u>O Outfall</u>	<u>No.</u>	009			<u>c</u>	SO Outfal	<u>  No.</u> 	011	
Day of Month	Time Discharge Began	M or	Event Duration (Hours)	M or E	Discharge	Mor	Discharge	Mor	Event Duration (Hours)	M or E	Event Discharge (MG)	M or E	Time Discharge Began		Event Duration (Hours)		Discharge	M or E	Time Discharge Began	M		M	Event Discharge (MG)	
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National Pollutant Discharge Elimination System (NPDES) CSO Monthly Report of Operation (CSO MRO)

Slate Form 50546 (R4 / 9-15) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

	Elkhart												Page :	3 of	9		P	ern	nit Number:	IN	0025574			
Facility:	Elkhart Pu	ublic	Works	& l	Jtilities									Ρι	ublic Noti	fica	tion Requ	irer	nents Met?	Y				
Monitor	ing Period:		Novem	ber	2022										Ent	ər '	'x" if no C	sc	) discharg	e 0(	ccurred f	or th	e month	: x
Design	Peak Flow (	Hou	irly) (MGI	D);	44		Design Fl	low	(MGD):		20		Measured/	Met	ered (M)	or E	Estimated (	(E)	must be sp	ecif	ied			
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Day of Month	Time Discharge	N or	Event Duration	M or E	Event Discharge	M	Discharge	M	Event Duration (Hours)	M or	Event Discharge	M or	Time Discharge Began	Mor		Mor	Event Discharge		Discharge	Mor		м	Event Discharge (MG)	
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Facility:	Elkhart P	ubli	c Works	& L	Itilities									P	ublic Not	lifica	ation Requ	lirer	nents Met?	Y				
Monitor	ing Period		Novem	ber	2022										Ent	er "	x" if no C	so	discharge	00	curred fo	or th	e month:	x
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Facility:	Elkhart P	ubli	c Works	. & L	Jtilities									P	ublic Not	ifica	tion Requ	iiren	nents Met?	Y				
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City: Elkhart		Page: 9 of 9	Permit Number: IN0025574
Facility: Elkhart Public Works & Utilities		Public Notific	cation Requirements Met? Y
Monitoring Period: November 2022		Enter "x" if no	o CSO discharge occurred for the month:
Design Peak Hourly Flow (MGD): 44	Design Average Flow (MGD): 20		
Day of Month Comments (further explanation as	s to why each CSO event occurred)		
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Typed or Printed Name and Title of Principal Ex	ecutive Officer or Authorized Agent		Telephone
Laura E. Ko	olo, Utilities Services Manager		574-293-2572
I CERTIFY UNDER PENALTY OF LAW THAT THI	S DOCUMENT AND ALL ATTACHMENTS WERE P		CTION OR SUPERVISION IN ACCORDANCE
	QUALIFIED PERSONNEL PROPERLY GATHER AN		
	E SYSTEM OR THOSE PERSONS DIRECTLY RESP DGE AND BELIEF, TRUE, ACCURATE, AND COMP		
SUBMITTING FALSE INFORMATION, INCLUDING	THE POSSIBILITY OF FINE AND IMPRISONMENT		
Signature of Principal Executive Officer or Auth			Date (mm/dd/yy)
laura 2	. (013		12/22/22

November 2022	YEAR: LOCOWIL	No Distribution	10 11 12		
N ANNUAL REPORT FORM DEM by January 31 of each year)	Elkhart Public Works & Utilities	esults when applicable) Alternative 4 Alternative 5 Alternative 6 esults when applicable) esults when applicable) Option 5 Aerobic Option 6 Alkali Option 8 90% Solids ult is nondetectable	6 7 8 9	Bate:     12-22-22	
MARKETING AND DISTRIBUT (Complete and submit this form to	FACILITY NAME:	results	1 2 3 4 5	the all nutrient results as percent dry weights the barrent dry weight the barrent dry weight the PCB results as dry weight	
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