

**STATE OF INDIANA**  
**DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**  
**PUBLIC NOTICE NO 20240221 – IN0024783– D**  
**DATE OF NOTICE: February 21, 2024**  
**DATE RESPONSE DUE: March 22, 2024**

**The Office of Water Quality proposes the following DRAFT NPDES PERMIT:**

**MINOR – Modification:**

**Waldron Conservancy District Wastewater Treatment Plant**, Permit IN0024783, SHELBY COUNTY, 4230 South 500 East, Waldron, IN. This minor municipal wastewater treatment plant discharges 0.12 million gallons daily of treated sanitary wastewater into the Conns Creek via Outfall 001. IDEM is proposing to modify the permit to add limits for Total Residual Chlorine at the chlorine contact tank to ensure adequate disinfection of the effluent. Outfall 001 is located at 39° 27' 26" N, -85° 40' 24" W. Permit Manager Allie Gates at 317-232-5114 or [agates1@idem.in.gov](mailto:agates1@idem.in.gov). Posted online at <https://www.in.gov/idem/public-notices/>.

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**PROCEDURES TO FILE A RESPONSE**

You are hereby notified of the availability of a 30-day public comment period regarding the referenced draft permit, in accordance with IC 13-15-5-1. The application and draft permit documents are available for inspection at IDEM, Office of Water Quality, Indiana Government Center North - Room 1255, 100 N. Senate Ave, Indianapolis, IN 46204 from 9:00 a.m. until 4:00 p.m., Monday thru Friday, (copies 10¢ per page). The Draft Permit is posted online on the above-referenced IDEM public notice web page. A courtesy copy has also been sent via email to the local County Health Department. Please tell others whom you think would be interested in this matter. For more information about public participation including your rights & responsibilities, please see <https://www.in.gov/idem/public-notices/>. You may want to consult our online Citizens' Guide to IDEM: <https://www.in.gov/idem/resources/citizens-guide-to-idem/>.

**Comments:** The proposed decision to issue a permit is tentative. Interested persons are invited to submit written comments on the draft permit. All comments must be delivered to IDEM or postmarked no later than the Response Due Date noted to be considered in the decision to issue a final permit. Deliver or mail all requests or comments to the attention of the Permit Manager at the above address.

**To Request a Public Hearing:** Any person may request a public hearing. A written request must be submitted to the above address on or before the Response Due Date. The written request shall include: the name and address of the person making the request, the interest of the person making the request, persons represented by the person making the request, the reason for the request and the issues proposed for consideration at the hearing. The Department will determine whether to hold a public hearing based upon the comments and the rationale for the request. Public Notice of such a hearing will be circulated in at least one newspaper in the geographical area of the discharge and to those persons submitting comments and/or on the mailing list at least 30 days prior to the hearing.



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

100 N. Senate Avenue • Indianapolis, IN 46204  
(800) 451-6027 • (317) 232-8603 • [www.idem.IN.gov](http://www.idem.IN.gov)

Eric J. Holcomb  
Governor

Brian C. Rockensuess  
Commissioner

February 21, 2024

## VIA ELECTRONIC MAIL

Mr. Bruce Kuhn, President  
Waldron Conservancy District  
P.O. Box 242  
Waldron, Indiana 46182

Dear Mr. Kuhn:

Re: Draft Modification of NPDES Permit  
No. IN0024783 for the Waldron Conservancy District  
Wastewater Treatment Plant  
Shelby County

IDEM has initiated a permit modification based on a request from an IDEM Wastewater Inspector. The request has been reviewed and processed in accordance with rules adopted under 327 IAC 5. Enclosed is the draft modification of NPDES Permit No. IN0024783 which applies to the discharge from the Waldron Conservancy District Wastewater Treatment Plant (WWTP). The enclosed Pages 3 through 5a of 30 are intended to replace the corresponding pages in the facility's current permit.

Pursuant to IC 13-15-5-1, IDEM will publish the draft permit document online at <https://www.in.gov/idem/public-notices/>. Additional information on public participation can be found in the "Citizens' Guide to IDEM", available at <https://www.in.gov/idem/resources/citizens-guide-to-idem/>. A 30-day comment period is available in order to solicit input from interested parties, including the general public.

Please review this document carefully and become familiar with the proposed terms and conditions. Comments concerning the draft permit should be submitted in accordance with the procedure outlined in the enclosed public notice form. If you have any questions concerning this modification, please contact Allie Gates at 317/232-5114 or [agates1@idem.IN.gov](mailto:agates1@idem.IN.gov).

Sincerely,

Leigh Voss, Chief  
Municipal NPDES Permits Section  
Office of Water Quality

Enclosures

cc: Ronald Fuchs, Certified Operator

STATE OF INDIANA  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
AMENDED AUTHORIZATION TO DISCHARGE UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251 et seq., the "Clean Water Act") or (CWA), and IDEM's authority under IC 13-5, the Indiana Department of Environmental Management (IDEM) is issuing this permit to the

**WALDRON CONSERVANCY DISTRICT**

hereinafter referred to as "the permittee." The permittee owns and/or operates the **Waldron Conservancy District Wastewater Treatment Plant**, a minor municipal wastewater treatment plant located at 4230 South 500 East, Waldron, Indiana in Shelby County. The permittee is hereby authorized to discharge from the outfalls identified in Part I of this permit to receiving waters named Conns Creek in accordance with the effluent limitations, monitoring requirements, and other conditions set forth in the permit. This permit may be revoked for the nonpayment of applicable fees in accordance with IC 13-18-20.

The permit, as issued on March 30, 2023 is hereby amended as contained herein. The amended provisions shall become effective on \_\_\_\_\_. All terms and conditions of the permit not modified at this time remain in effect. Further, any existing condition or term affected by the modifications will remain in effect until the modified provisions become effective.

This permit and authorization to discharge, as amended, shall expire at midnight, December 31, 2028. In order to receive authorization to discharge beyond the date of expiration, the permittee shall submit such information and forms as are required by the Indiana Department of Environmental Management no later than 180 days prior to the date of expiration.

Issued on \_\_\_\_\_ for the Indiana Department of Environmental Management.

\_\_\_\_\_  
Leigh Voss, Chief  
Municipal NPDES Permits Section  
Office of Water Quality

TABLE 2

Parameter	Quality or Concentration				Monitoring Requirements	
	Daily Minimum	Monthly Average	Daily Maximum	Units	Measurement Frequency	Sample Type
Effluent/Stream Ratio [1]	----	----	0.10	----	Daily*	----
pH [2][5][6]	6.0	----	9.0	s.u.	Weekly	Grab
Total Residual Chlorine [7]						
Contact Tank [8]	0.5	----	Report	mg/l	Weekly	Grab
Final Effluent [9]	----	0.01	0.02	mg/l	Weekly	Grab
<i>E.coli</i> [10]	----	125 [11]	235 [12]	cfu/100 ml	Weekly	Grab

\*Monitoring of stream flow and effluent flow is required daily, when discharging.

[1] Pursuant to 327 IAC 5-10-3(a), municipal wastewater treatment facilities with multiple cell waste stabilization ponds operating as controlled discharges may discharge at any time provided effluent limits and all other conditions of this permit are met and the daily discharge flow rate does not exceed one-tenth (1/10) of the stream flow of the receiving stream. The actual stream flow must be measured upstream of the treatment facility discharge with a gauging station installed and maintained by the permittee upstream of the facility discharge point. The permittee must regulate the facility's discharge such that the discharge flow does not exceed one-tenth (1/10) of the measured stream flow. Flow measurement is required per 327 IAC 5-2-13. In addition to the gauging station, flow meters must be utilized to measure both the influent and the effluent. Influent flow is to be reported five times weekly on the Monthly Report of Operation regardless of discharge. The gauging station and the flow meters shall be calibrated by the permittee as often as necessary to provide accurate and reliable data, but at least once every twelve months. The permittee shall send the resulting calibration curve or table to the following address no later than October 1 of each year to the following email address: [wwreports@idem.in.gov](mailto:wwreports@idem.in.gov)

[2] Monitoring of effluent to determine compliance with the effluent limitations is required during periods of discharge. Additionally, it is recommended that CBOD<sub>5</sub>, TSS, ammonia-nitrogen, and pH samples be analyzed before discharge commences after a prolonged storage period so that the permittee may determine prior to discharge, that the effluent limits would be met. **Influent monitoring for CBOD<sub>5</sub>, TSS, ammonia-nitrogen, and pH is required monthly, regardless of discharge. The influent monitoring data shall be reported on the Monthly Report of Operations (MRO) form.**

[3] Summer limitations apply from May 1 through November 30 of each year.

[4] Winter limitations apply from December 1 through April 30 of each year.

- [5] If the permittee collects more than one grab sample on a given day for pH, the values shall not be averaged for reporting daily maximums or daily minimums. The permittee must report the individual minimum and the individual maximum pH value of any sample during the month on the Monthly Report of Operation forms.
- [6] In accordance with 327 IAC 2-1-6(b)(2), the pH of the effluent may not exceed nine (9.0) s.u. as a daily maximum, except in the case of daily fluctuations attributable to photosynthetic activity. Notice of such conditions must accompany the monthly DMR form for each day the pH exceeds 9.0 s.u.
- [7] The effluent shall be disinfected on a continuous basis such that violations of the applicable bacteriological limitations (*E. coli*) do not occur from April 1 through October 31, annually. If the permittee uses chlorine for any reason, at any time including the period from November 1 through March 31, then the limits and monitoring requirements in Table 2 for Total Residual Chlorine (TRC) shall be in effect whenever chlorine is used.
- [8] The chlorine residual shall be maintained at a concentration not less than 0.5 mg/l as measured at the effluent end of the chlorine contact tank for the term of the permit. The daily maximum chlorine residual value at the chlorine contact tank shall also be reported.
- [9] In accordance with 327 IAC 5 2 11.1(f), compliance with this permit will be demonstrated if the measured effluent concentrations are less than the limit of quantitation (0.06 mg/l). If the measured effluent concentrations are above the water quality-based permit limitations and above the Limit of Detection (LOD) specified by the permit in any of three (3) consecutive analyses or any five (5) out of nine (9) analyses, the permittee is required to reevaluate its chlorination/dechlorination practices to make any necessary changes to assure compliance with the permit limitation for TRC. These records must be retained in accordance with the record retention requirements of Part I.B.8 of this permit.

Effluent concentrations greater than or equal to the LOD but less than the Limit of Quantitation (LOQ), shall be reported on the discharge monitoring report forms as the measured value. A note must be included with the DMR indicating that the value is not quantifiable. Effluent concentrations less than the limit of detection shall be reported on the discharge monitoring report forms as less than the value of the limit of detection. For example, if a substance is not detected at a concentration of 0.01 mg/l, report the value as < 0.01 mg/l. At present, two methods are considered to be acceptable to IDEM, amperometric and DPD colorimetric methods, for chlorine concentrations at the level of 0.06 mg/l.

Parameter	LOD	LOQ
Chlorine	0.02 mg/l	0.06 mg/l

#### Case-Specific MDL

The permittee may determine a case-specific Method Detection Level (MDL) using one of the analytical methods specified above, or any other test method which is approved by IDEM prior to use. The MDL shall be derived by the procedure specified for MDLs contained in 40 CFR Part 136, Appendix B, and the limit of quantitation shall be set equal to 3.18 times the MDL. Other methods may be used if first approved by the U.S. EPA and IDEM.

- [10] The effluent shall be disinfected on a continuous basis such that violations of the applicable bacteriological limitations (*E. coli*) do not occur from April 1 through October 31, annually. The *Escherichia coli* (*E. coli*) limitations apply from April 1 through October 31 annually.
- [11] The monthly average *E. coli* value shall be calculated as a geometric mean. Per 327 IAC 5-10-6, the concentration of *E. coli* shall not exceed one hundred twenty-five (125) cfu or mpn per 100 milliliters as a geometric mean of the effluent samples taken in a calendar month. No samples may be excluded when calculating the monthly geometric mean.
- [12] If less than ten samples are taken and analyzed for *E. coli* in a calendar month, no samples may exceed two hundred thirty-five (235) cfu or mpn as a daily maximum. However, when ten (10) or more samples are taken and analyzed for *E. coli* in a calendar month, not more than ten percent (10%) of those samples may exceed two hundred thirty-five (235) cfu or mpn as a daily maximum. When calculating ten percent, the result must not be rounded up. In reporting for compliance purposes on the Discharge Monitoring Report (DMR) form, the permittee shall record the highest non-excluded value for the daily maximum.

## 2. Minimum Narrative Limitations

At all times the discharge from any and all point sources specified within this permit shall not cause receiving waters:

- a. including waters within the mixing zone, to contain substances, materials, floating debris, oil, scum attributable to municipal, industrial, agricultural, and other land use practices, or other discharges that do any of the following:

- (1) will settle to form putrescent or otherwise objectionable deposits;
- (2) are in amounts sufficient to be unsightly or deleterious;
- (3) produce color, visible oil sheen, odor, or other conditions in such degree as to create a nuisance;
- (4) are in amounts sufficient to be acutely toxic to, or to otherwise severely injure or kill aquatic life, other animals, plants, or humans;
- (5) are in concentrations or combinations that will cause or contribute to the growth of aquatic plants or algae to such a degree as to create a nuisance, be unsightly, or otherwise impair the designated uses.

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**National Pollutant Discharge Elimination System  
Briefing Memo for  
Waldron Conservancy District Wastewater Treatment Plant  
Draft: February 2024  
Final: TBD**

**Indiana Department of Environmental Management**

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

<b>Permittee:</b>	Waldron Conservancy District Mr. Bruce Kuhn, President P.O. Box 242 Waldron, Indiana, 46182 <a href="mailto:waldronwater@yahoo.com">waldronwater@yahoo.com</a> , (765) 525 - 9696
<b>Existing Permit Information:</b>	Permit Number: IN0024783 Expiration Date: December 31, 2028
<b>Facility Contact:</b>	Ronald Fuchs, Operator <a href="mailto:waldronwater@yahoo.com">waldronwater@yahoo.com</a> , (765) 525 - 9696
<b>Facility Location:</b>	4230 South 500 East Waldron, Indiana Shelby County
<b>Receiving Stream:</b>	Conns Creek
<b>GLI/Non-GLI:</b>	Non-GLI
<b>Proposed Permit Action:</b>	Modification
<b>Date Application Received:</b>	February 12, 2024
<b>Facility Category:</b>	NPDES Minor Municipal
<b>Permit Writer:</b>	Allie Gates, Senior Environmental Manager <a href="mailto:agates1@idem.IN.gov">agates1@idem.IN.gov</a> , (317) 232-5114



Outfall Location

Latitude: 39° 27' 26" N

Longitude: 85° 40' 24" W

**Background**

This is the modification of the NPDES permit for the Waldron Conservancy District Wastewater Treatment Plant. The facility's current permit was effective on January 1, 2024 and has an expiration date of December 31, 2028. A request for permit modification was received from an IDEM inspector on February 12, 2024. The IDEM inspector requests a permit modification due to concerns discovered during an inspection conducted in January 2024. Per the inspector, the chlorine contact tank value was reported as 0.02 mg/l on the Monthly Report of Operation (MRO) form throughout 2023. In addition, there were several reported *E. coli* violations in 2023. Due to the low chlorine contact tank values reported and *E. coli* effluent limit exceedances, a daily minimum Total Residual Chlorine (TRC) contact tank effluent limit of 0.5 mg/l will be added to this permit to ensure sufficient disinfection of the effluent.

**Modification**

The following changes have been made for the modification of the NPDES permit:

Page 1 of 30	This page has been modified to reflect the modification effective date for the permit.
Page 3 of 30	This page has been modified to include a daily minimum Total Residual Chlorine (TRC) contact tank limitation in Table 2.
Page 4 of 30	This page has been modified to include a new footnote [8].
Pages 5–5a of 30	These pages have been modified to update renumbering of footnotes and changes in page numbers as a result of the modifications on previous pages.

**Expiration Date**

The expiration date of the permit has not changed. The permit, as modified, will expire at midnight on December 31, 2028.

**Permit Processing/Public Comment**

Pursuant to IC 13-15-5-1, IDEM will publish the draft permit modification document online at <https://www.in.gov/idem/public-notices/>. Additional information on public participation can be found in the "Citizens' Guide to IDEM", available at <https://www.in.gov/idem/resources/citizens-guide-to-idem/>. A 30-day comment period is available to solicit input from interested parties, including the public.