



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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Eric J. Holcomb
Governor

Brian C. Rockensuess
Commissioner

May 23, 2024

VIA ELECTRONIC MAIL

Dr. Colleen Moran, Superintendent
North Montgomery School Corporation
480 West 580 North
Crawfordsville, IN 47933

Dear Dr. Moran:

Re: Final NPDES Permit No. IN0031151
North Montgomery High School
Wastewater Treatment Plant
Montgomery County

Your application for a National Pollutant Discharge Elimination System (NPDES) permit has been processed in accordance with Sections 402 and 405 of the Federal Water Pollution Control Act as amended, (33 U.S.C. 1251, et seq.), and IDEM's permitting authority under IC 13-15. The enclosed NPDES permit covers your discharges to McClamroch Ditch. All discharges from this facility shall be consistent with the terms and conditions of this permit.

One condition of your permit requires monthly reporting of several effluent parameters. You are required to submit both federal discharge monitoring reports (DMRs) and state Monthly Reports of Operation (MROs) on a routine basis. The MRO form is available on the internet at the following web site:

<https://www.in.gov/ideM/cleanwater/wastewater-compliance/wastewater-reporting-forms-notice-and-instructions/>.

Once you are on this page, select the "IDEM Forms" page and locate the version of the MRO applicable to your plant under the "Wastewater Facilities" heading. We recommend selecting the "XLS" version as it will complete all of the calculations on the data entered.

All NPDES permit holders are required to submit their monitoring data to IDEM using NetDMR. Please contact Rose McDaniel at (317) 233-2653 or Helen Demmings at (317) 232-8815 if you would like more information on NetDMR. Information is also available on our website at <https://www.in.gov/ideM/cleanwater/resources/netdmr/>.

Another condition which needs to be clearly understood concerns violation of the effluent limitations in the permit. Exceeding the limitations constitutes a violation of the permit and may bring criminal or civil penalties upon the permittee. (See Part II.A.1 and II.A.11 of this permit). It is very important that your office and treatment operator understand this part of the permit.

Please note that this permit issuance can be appealed. An appeal must be filed under procedures outlined in IC 13-15-6, IC 4-21.5, and the enclosed public notice. The appeal must be initiated by filing a petition for administrative review with the Office of Environmental Adjudication (OEA) within fifteen (15) days of the emailing of an electronic copy of this letter or within eighteen (18) days of the mailing of this letter by filing at the following addresses:

Director
Office of Environmental Adjudication
Indiana Government Center North
Room N103
100 North Senate Avenue
Indianapolis, Indiana 46204

Commissioner
Indiana Department of Environmental Management
Indiana Government Center North
Room 1301
100 North Senate Avenue
Indianapolis, Indiana 46204

The permit should be read and studied. It requires certain action at specific times by you, the discharger, or your authorized representative. One copy of this permit is also being sent to your operator to be kept at the treatment facility. You may wish to call this permit to the attention of your consulting engineer and/or attorney.

If you have any questions concerning your NPDES permit, please contact Nicholas Eilerman at 317/232-8619 or neilerma@idem.IN.gov. More information on the appeal review process is available at the website for the Office of Environmental Adjudication at <http://www.in.gov/oea>.

Sincerely,



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

Enclosures

cc: Omar Bahloul, Certified Operator

STATE OF INDIANA
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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

NORTH MONTGOMERY COMMUNITY SCHOOL CORPORATION

hereinafter referred to as "the permittee." The permittee owns and/or operates the **North Montgomery High School Wastewater Treatment Plant**, a minor semi-public wastewater treatment plant located at County Road 580 between U.S. 231 and County Road 480 W, Crawfordsville, Indiana, Montgomery County. The permittee is hereby authorized to discharge from the outfalls identified in Part I of this permit to receiving waters named McClamroch Ditch to Black Creek to Sugar 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.

Effective Date: December 1, 2024.

Expiration Date: November 30, 2029.

In order to receive authorization to discharge beyond the date of expiration, the permittee shall submit such information and application forms as are required by the Indiana Department of Environmental Management. The application shall be submitted to IDEM at least 180 days prior to the expiration date of this permit, unless a later date is allowed by the Commissioner in accordance with 327 IAC 5-3-2 and Part II.A.4 of this permit.

Issued on May 23, 2024, for the Indiana Department of Environmental Management.



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

TREATMENT FACILITY DESCRIPTION

The permittee currently operates a Class I, 0.025 MGD extended aeration treatment facility treatment facility consisting of an influent flow meter, an equalization tank with a bar screen, two (2) aeration tanks with fine bubble diffusers, a final clarifier, ultraviolet light disinfection, post aeration, an aerobic digester and an effluent flow meter. Final sludge is hauled off-site site by a licensed contractor.

The collection system is comprised of 100% separate sanitary sewers by design with no overflow or bypass points.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

The permittee is authorized to discharge from the outfall listed below in accordance with the terms and conditions of this permit. The permittee shall take samples and measurements at a location representative of each discharge to determine whether the effluent limitations have been met. Refer to Part I.B of this permit for additional monitoring and reporting requirements.

1. Beginning on the effective date of this permit, the permittee is authorized to discharge from Outfall 001, which is located at Latitude: 40° 07' 19" N, Longitude: 86° 54' 49" W. The discharge is subject to the following requirements:

TABLE 1

Parameter	Quantity or Loading			Quality or Concentration			Monitoring Requirements	
	Monthly Average	Weekly Average	Units	Monthly Average	Weekly Average	Units	Measurement Frequency	Sample Type
Flow [1]	Report	----	MGD	----	----	----	5 X Weekly	24-Hr. Total
CBOD ₅								
Summer [2]	3.1	4.8	lbs/day	15	23	mg/l	1 X Weekly	Grab
Winter [3]	5.2	8.3	lbs/day	25	40	mg/l	1 X Weekly	Grab
TSS								
Summer [2]	3.8	5.6	lbs/day	18	27	mg/l	1 X Weekly	Grab.
Winter [3]	6.3	9.4	lbs/day	30	45	mg/l	1 X Weekly	Grab
Ammonia-nitrogen								
Summer [2]	0.23	0.33	lbs/day	1.1	1.6	mg/l	1 X Weekly	Grab
Winter [3]	0.33	0.50	lbs/day	1.6	2.4	mg/l	1 X Weekly	Grab

TABLE 2

Parameter	Quality or Concentration				Monitoring Requirements	
	Daily Minimum	Monthly Average	Daily Maximum	Units	Measurement Frequency	Sample Type
pH [4]	6.0	----	9.0	s.u.	2 X Weekly	Grab
Dissolved Oxygen [5]						
Summer [2]	6.0	----	----	mg/l	2 X Weekly	2 Grabs/24-Hrs.
Winter [3]	5.0	----	----	mg/l	2 X Weekly	2 Grabs/24-Hrs.
<i>E.coli</i> [6]	----	125 [7]	235 [8]	cfu/100 ml	2 X Weekly	Grab

- [1] Effluent flow measurement is required per 327 IAC 5-2-13. The flow meter(s) shall be calibrated at least once every twelve months.
- [2] Summer limitations apply from May 1 through November 30 of each year.
- [3] Winter limitations apply from December 1 through April 30 of each year.
- [4] 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.
- [5] The daily minimum concentration of dissolved oxygen in the effluent shall be reported as the arithmetic mean determined by summation of the two (2) daily grab sample results divided by the number of daily grab samples. These samples are to be collected over equal time intervals.
- [6] 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.
- [7] 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.
- [8] 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.
- b. outside the mixing zone, to contain substances in concentrations that on the basis of available scientific data are believed to be sufficient to injure, be chronically toxic to, or be carcinogenic, mutagenic, or teratogenic to humans, animals, aquatic life, or plants.

B. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge flow and shall be taken at times which reflect the full range and concentration of effluent parameters normally expected to be present. Samples shall not be taken at times to avoid showing elevated levels of any parameters.

2. Data on Plant Operation

The raw influent and the wastewater from intermediate unit treatment processes, as well as the final effluent shall be sampled and analyzed for the pollutants and operational parameters specified by the applicable Monthly Report of Operation Form, as appropriate, in accordance with 327 IAC 5-2-13. Except where the permit specifically states otherwise, the sample frequency for the raw influent and intermediate unit treatment process shall be at a minimum the same frequency as that for the final effluent. The measurement frequencies specified in each of the tables in Part I.A. are the minimum frequencies required by this permit.

For publicly owned treatment works, the 30-day average percent removal for Carbonaceous Biochemical Oxygen Demand (CBOD₅) and Total Suspended Solids shall not be less than 85 percent unless otherwise authorized by the permitting authority in accordance with 40 CFR Part 133.102, as incorporated by reference in 327 IAC 5-2-1.5. The permittee must monitor the influent and effluent CBOD₅ and TSS at least once per month and calculate the percent removal to ensure compliance with the required 85 percent removal. This information must be maintained on site and provided to this Office's staff upon request.

3. Reporting per Monitoring Period

The permittee shall submit accurate monitoring reports to the Indiana Department of Environmental Management containing results obtained during each monitoring period and shall be submitted no later than the 28th day of the month following each completed monitoring period. Each monitoring period report shall be submitted no less than annually and no more than monthly, as per parameter measurement frequency listed. These reports shall include, but not necessarily be limited to, the Discharge Monitoring Report (DMR) and the Monthly Report of Operation (MRO). All reports shall be submitted electronically by using the NetDMR application, upon registration, receipt of the NetDMR Subscriber Agreement, and IDEM approval of the proposed NetDMR Signatory. Access the NetDMR website (for initial registration and DMR/MMR submittal) via CDX at: <https://cdx.epa.gov/>. The Regional Administrator may request the permittee to submit monitoring reports to the Environmental Protection Agency if it is deemed necessary to assure compliance with the permit.

A calendar week will begin on Sunday and end on Saturday. Partial weeks consisting of four or more days at the end of any month will include the remaining days of the week, which occur in the following month in order to calculate a consecutive seven-day average. This value will be reported as a weekly average or seven-day average on the MRO for the month containing the partial week of four or more days. Partial calendar weeks consisting of less than four days at the end of any month will be carried forward to the succeeding month and

reported as a weekly average or a seven-day average for the calendar week that ends with the first Saturday of that month.

4. Definitions

a. Calculation of Averages

Pursuant to 327 IAC 5-2-11(a)(5), the calculation of the average of discharge data shall be determined as follows: For all parameters except fecal coliform and *E. coli*, calculations that require averaging of sample analyses or measurements of daily discharges shall use an arithmetic mean unless otherwise specified in this permit. For fecal coliform, the monthly average discharge and weekly average discharge, as concentrations, shall be calculated as a geometric mean. For *E. coli*, the monthly average discharge, as a concentration, shall be calculated as a geometric mean.

b. Terms

- (1) "Monthly Average" - The monthly average discharge means the total mass or flow-weighted concentration of all daily discharges during a calendar month on which daily discharges are sampled or measured, divided by the number of daily discharges sampled and/or measured during such calendar month. The monthly average discharge limitation is the highest allowable average monthly discharge for any calendar month.
- (2) "Weekly Average" - The weekly average discharge means the total mass or flow weighted concentration of all daily discharges during any calendar week for which daily discharges are sampled or measured, divided by the number of daily discharges sampled and/or measured during such calendar week. The average weekly discharge limitation is the maximum allowable average weekly discharge for any calendar week.
- (3) "Daily Maximum" - The daily maximum discharge limitation is the maximum allowable daily discharge for any calendar day. The "daily discharge" means the total mass of a pollutant discharged during the calendar day or, in the case of a pollutant limited in terms other than mass pursuant to 327 IAC 5-2-11(e), the average concentration or other measurement of the pollutant specified over the calendar day or any twenty-four hour period that represents the calendar day for purposes of sampling.
- (4) "24-hour Composite" - The 24-hour Composite Sample consists of a minimum of two (2) grab samples, one collected at a time representing the daily peak flow, and the other sample collected at a time representing the average daily flow. The grab samples for the composites shall be

proportioned to flow. A flow proportioned composite sample is obtained by:

- (a) recording the discharge flow rate at the time each individual sample is taken,
- (b) adding together the discharge flow rates recorded from each individual sampling time to formulate the "total flow value,"
- (c) dividing the discharge flow rate of each individual sampling time by the total flow value to determine its percentage of the total flow value, and
- (d) multiplying the volume of the total composite sample by each individual sample's percentage to determine the volume of that individual sample which will be included in the total composite sample.

Alternatively, a 24-hour composite sample may be obtained by an automatic sampler on an equal time interval basis over a twenty-four hour period provided that a minimum of 24 samples are taken and combined prior to analysis. The samples do not need to be flow-proportioned if the permittee collects samples in this manner.

- (5) CBOD₅: Five-day Carbonaceous Biochemical Oxygen Demand
- (6) TSS: Total Suspended Solids
- (7) *E. coli*: *Escherichia coli* bacteria
- (8) The "Regional Administrator" is defined as the Region V Administrator, U.S. EPA, located at 77 West Jackson Boulevard, Chicago, Illinois 60604.
- (9) The "Commissioner" is defined as the Commissioner of the Indiana Department of Environmental Management, located at the following address: 100 North Senate Avenue, Indianapolis, Indiana 46204-2251.
- (10) Limit of Detection or LOD is defined as a measurement of the concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero (0) for a particular analytical method and sample matrix. The LOD is equivalent to the Method Detection Level or MDL.
- (11) Limit of Quantitation or LOQ is defined as a measurement of the concentration of a contaminant obtained by using a specified laboratory procedure calibrated at a specified concentration above the method detection level. It is considered the lowest concentration at which a

particular contaminant can be quantitatively measured using a specified laboratory procedure for monitoring of the contaminant. This term is also called the limit of quantification or quantification level.

- (12) Method Detection Level or MDL is defined as the minimum concentration of an analyte (substance) that can be measured and reported with a ninety-nine percent (99%) confidence that the analyte concentration is greater than zero (0) as determined by the procedure set forth in 40 CFR Part 136, Appendix B. The method detection level or MDL is equivalent to the LOD.

5. Test Procedures

The analytical and sampling methods used shall conform to the version of 40 CFR 136 incorporated by reference in 327 IAC 5. Different but equivalent methods are allowable if they receive the prior written approval of the Commissioner and the U.S. Environmental Protection Agency. When more than one test procedure is approved for the purposes of the NPDES program under 40 CFR 136 for the analysis of a pollutant or pollutant parameter, the test procedure must be sufficiently sensitive as defined at 40 CFR 122.21(e)(3) and 122.44(i)(1)(iv).

6. Recording Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record and maintain records of all monitoring information on activities under this permit, including the following information:

- a. The exact place, date, and time of sampling or measurements;
- b. The person(s) who performed the sampling or measurements;
- c. The dates and times the analyses were performed;
- d. The person(s) who performed the analyses;
- e. The analytical techniques or methods used; and
- f. The results of all required analyses and measurements.

7. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the

calculation and reporting of the values required in the Monthly Discharge Monitoring Report and on the Monthly Report of Operation form. Such increased frequency shall also be indicated on these forms. Any such additional monitoring data which indicates a violation of a permit limitation shall be followed up by the permittee, whenever feasible, with a monitoring sample obtained and analyzed pursuant to approved analytical methods. The results of the follow-up sample shall be reported to the Commissioner in the Monthly Discharge Monitoring Report.

8. Records Retention

All records and information resulting from the monitoring activities required by this permit, including all records of analyses performed and calibration and maintenance of instrumentation and recording from continuous monitoring instrumentation, shall be retained for a minimum of three (3) years. In cases where the original records are kept at another location, a copy of all such records shall be kept at the permitted facility. The three-year period shall be extended:

- a. automatically during the course of any unresolved litigation regarding the discharge of pollutants by the permittee or regarding promulgated effluent guidelines applicable to the permittee; or
- b. as requested by the Regional Administrator or the Indiana Department of Environmental Management.

C. REOPENING CLAUSES

In addition to the reopening clause provisions cited at 327 IAC 5-2-16, the following reopening clauses are incorporated into this permit:

1. This permit may be modified or, alternately, revoked and reissued after public notice and opportunity for hearing to incorporate effluent limitations reflecting the results of a wasteload allocation if the Department of Environmental Management determines that such effluent limitations are needed to assure that State Water Quality Standards are met in the receiving stream.
2. This permit may be modified due to a change in sludge disposal standards pursuant to Section 405(d) of the Clean Water Act, if the standards when promulgated contain different conditions, are otherwise more stringent, or control pollutants not addressed by this permit.
3. This permit may be modified, or, alternately, revoked and reissued, to comply with any applicable effluent limitation or standard issued or approved under section 301(b)(2)(C), (D) and (E), 304(b)(2), and 307(a)(2) of the Clean Water Act, if the effluent limitation or standard so issued or approved:

- a. contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
- b. controls any pollutant not limited in the permit.

PART II

STANDARD CONDITIONS FOR NPDES PERMITS

A. GENERAL CONDITIONS

1. Duty to Comply

The permittee shall comply with all terms and conditions of this permit in accordance with 327 IAC 5-2-8(1) and all other requirements of 327 IAC 5-2-8. Any permit noncompliance constitutes a violation of the Clean Water Act and IC 13 and is grounds for enforcement action or permit termination, revocation and reissuance, modification, or denial of a permit renewal application.

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.

2. Duty to Mitigate

In accordance with 327 IAC 5-2-8(3), the permittee shall take all reasonable steps to minimize or correct any adverse impact to the environment resulting from noncompliance with this permit. During periods of noncompliance, the permittee shall conduct such accelerated or additional monitoring for the affected parameters, as appropriate or as requested by IDEM, to determine the nature and impact of the noncompliance.

3. Duty to Provide Information

The permittee shall submit any information that the permittee knows or has reason to believe would constitute cause for modification or revocation and reissuance of the permit at the earliest time such information becomes available, such as plans for physical alterations or additions to the facility that:

- a. could significantly change the nature of, or increase the quantity of, pollutants discharged; or
- b. the Commissioner may request to evaluate whether such cause exists.

In accordance with 327 IAC 5-1-3(a)(5), the permittee must also provide any information reasonably requested by the Commissioner.

4. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must obtain and submit a renewal of this permit in accordance with 327 IAC 5-3-2(a)(2). It is the permittee's responsibility to obtain and submit the application. In accordance with 327 IAC 5-2-3(c), the owner of the facility or operation from which a discharge of pollutants occurs is responsible for applying for and obtaining the NPDES permit, except where the facility or operation is operated by a person other than an employee of the owner in which case it is the operator's responsibility to apply for and obtain the permit. The application must be submitted at least 180 days before the expiration date of this permit. This deadline may be extended if:

- a. permission is requested in writing before such deadline;
- b. IDEM grants permission to submit the application after the deadline; and
- c. the application is received no later than the permit expiration date.

As required under 327 IAC 5-2-3(g)(1) and (2), POTWs with design influent flows equal to or greater than one million (1,000,000) gallons per day and POTWs with an approved pretreatment program or that are required to develop a pretreatment program, will be required to provide the results of whole effluent toxicity testing as part of their NPDES renewal application.

5. Transfers

In accordance with 327 IAC 5-2-8(4)(D), this permit is nontransferable to any person except in accordance with 327 IAC 5-2-6(c). This permit may be transferred to another person by the permittee, without modification or revocation and reissuance being required under 327 IAC 5-2-16(c)(1) or 16(e)(4), if the following occurs:

- a. the current permittee notified the Commissioner at least thirty (30) days in advance of the proposed transfer date.
- b. a written agreement containing a specific date of transfer of permit responsibility and coverage between the current permittee and the transferee (including acknowledgment that the existing permittee is liable for violations up to that date, and the transferee is liable for violations from that date on) is submitted to the Commissioner.
- c. the transferee certifies in writing to the Commissioner their intent to operate the facility without making such material and substantial alterations or additions to the facility as would significantly change the nature or quantities

of pollutants discharged and thus constitute cause for permit modification under 327 IAC 5-2-16(d). However, the Commissioner may allow a temporary transfer of the permit without permit modification for good cause, e.g., to enable the transferee to purge and empty the facility's treatment system prior to making alterations, despite the transferee's intent to make such material and substantial alterations or additions to the facility.

- d. the Commissioner, within thirty (30) days, does not notify the current permittee and the transferee of the intent to modify, revoke and reissue, or terminate the permit and to require that a new application be filed rather than agreeing to the transfer of the permit.

The Commissioner may require modification or revocation and reissuance of the permit to identify the new permittee and incorporate such other requirements as may be necessary under the Clean Water Act or state law.

6. Permit Actions

In accordance with 327 IAC 5-2-16(b) and 327 IAC 5-2-8(4), this permit may be modified, revoked and reissued, or terminated for cause, including, but not limited to, the following:

- a. Violation of any terms or conditions of this permit;
- b. Failure of the permittee to disclose fully all relevant facts or misrepresentation of any relevant facts in the application, or during the permit issuance process; or
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge controlled by the permittee (e.g., plant closure, termination of the discharge by connecting to a POTW, a change in state law or information indicating the discharge poses a substantial threat to human health or welfare).

Filing of either of the following items does not stay or suspend any permit condition: (1) a request by the permittee for a permit modification, revocation and reissuance, or termination, or (2) submittal of information specified in Part II.A.3 of the permit including planned changes or anticipated noncompliance.

The permittee shall submit any information that the permittee knows or has reason to believe would constitute cause for modification or revocation and reissuance of the permit at the earliest time such information becomes available, such as plans for physical alterations or additions to the permitted facility that:

1. could significantly change the nature of, or increase the quantity of, pollutants discharged; or
2. the commissioner may request to evaluate whether such cause exists.

7. Property Rights

Pursuant to 327 IAC 5-2-8(6) and 327 IAC 5-2-5(b), the issuance of this permit does not convey any property rights of any sort or any exclusive privileges, nor does it authorize any injury to persons or private property or an invasion of rights, any infringement of federal, state, or local laws or regulations. The issuance of the permit also does not preempt any duty to obtain any other state, or local assent required by law for the discharge or for the construction or operation of the facility from which a discharge is made.

8. Severability

In accordance with 327 IAC 1-1-3, the provisions of this permit are severable and, if any provision of this permit or the application of any provision of this permit to any person or circumstance is held invalid, the invalidity shall not affect any other provisions or applications of the permit which can be given effect without the invalid provision or application.

9. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject to under Section 311 of the Clean Water Act.

10. State Laws

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by Section 510 of the Clean Water Act or state law.

11. Penalties for Violation of Permit Conditions

Pursuant to IC 13-30-4, a person who violates any provision of this permit, the water pollution control laws; environmental management laws; or a rule or standard adopted by the Environmental Rules Board is liable for a civil penalty not to exceed twenty-five thousand dollars (\$25,000) per day of any violation.

Pursuant to IC 13-30-5, a person who obstructs, delays, resists, prevents, or interferes with (1) the department; or (2) the department's personnel or

designated agent in the performance of an inspection or investigation performed under IC 13-14-2-2 commits a class C infraction.

Pursuant to IC 13-30-10-1.5(e), a person who willfully or negligently violates any NPDES permit condition or filing requirement, or any applicable standards or limitations of IC 13-18-3-2.4, IC 13-18-4-5, IC 13-18-12, IC 13-18-14, IC 13-18-15, or IC 13-18-16, commits a Class A misdemeanor.

Pursuant to IC 13-30-10-1.5(i), an offense under IC 13-30-10-1.5(e) is a Level 4 felony if the person knowingly commits the offense or knows that the commission of the offense places another person in imminent danger of death or serious bodily injury. An offense under IC 13-30-10-1.5(e) is a Level 3 felony if it results in serious bodily injury to any person, and a Level 2 felony if it results in death to any person.

Pursuant to IC 13-30-10-1.5(g), a person who willfully or recklessly violates any applicable standards or limitations of IC 13-18-8 commits a Class B misdemeanor.

Pursuant to IC 13-30-10-1.5(h), a person who willfully or recklessly violates any applicable standards or limitations of IC 13-18-9, IC 13-18-10, or IC 13-18-10.5 commits a Class C misdemeanor.

Pursuant to IC 13-30-10-1, a person who knowingly or intentionally makes any false material statement, representation, or certification in any NPDES form, notice, or report commits a Class B misdemeanor.

12. Penalties for Tampering or Falsification

In accordance with 327 IAC 5-2-8(10), the permittee shall comply with monitoring, recording, and reporting requirements of this permit. The Clean Water Act, as well as IC 13-30-10-1, provides that any person who knowingly or intentionally (a) destroys, alters, conceals, or falsely certifies a record, (b) tampers with, falsifies, or renders inaccurate or inoperative a recording or monitoring device or method, including the data gathered from the device or method, or (c) makes a false material statement or representation in any label, manifest, record, report, or other document; all required to be maintained under the terms of a permit issued by the department commits a Class B misdemeanor.

13. Toxic Pollutants

If any applicable effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Clean Water Act for a toxic pollutant injurious to human health, and that standard or prohibition is more stringent than any

limitation for such pollutant in this permit, this permit shall be modified or revoked and reissued to conform to the toxic effluent standard or prohibition in accordance with 327 IAC 5-2-8(5). Effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants injurious to human health are effective and must be complied with, if applicable to the permittee, within the time provided in the implementing regulations, even absent permit modification.

14. Operator Certification

The permittee shall have the wastewater treatment facilities under the responsible charge of an operator certified by the Commissioner in a classification corresponding to the classification of the wastewater treatment plant as required by IC 13-18-11-11 and 327 IAC 5-22. In order to operate a wastewater treatment plant the operator shall have qualifications as established in 327 IAC 5-22-7. The permittee shall designate one (1) person as the certified operator with complete responsibility for the proper operations of the wastewater facility.

327 IAC 5-22-10.5(a) provides that a certified operator may be designated as being in responsible charge of more than one (1) wastewater treatment plant, if it can be shown that he will give adequate supervision to all units involved. Adequate supervision means that sufficient time is spent at the plant on a regular basis to assure that the certified operator is knowledgeable of the actual operations and that test reports and results are representative of the actual operations conditions. In accordance with 327 IAC 5-22-3(11), "responsible charge" means the person responsible for the overall daily operation, supervision, or management of a wastewater facility.

Pursuant to 327 IAC 5-22-10(4), the permittee shall notify IDEM when there is a change of the person serving as the certified operator in responsible charge of the wastewater treatment facility. The notification shall be made no later than thirty (30) days after a change in the operator.

15. Construction Permit

Except in accordance with 327 IAC 3, the permittee shall not construct, install, or modify any water pollution treatment/control facility as defined in 327 IAC 3-1-2(24). Upon completion of any construction, the permittee must notify the Compliance Data Section of the Office of Water Quality in writing.

16. Inspection and Entry

In accordance with 327 IAC 5-2-8(8), the permittee shall allow the Commissioner, or an authorized representative, (including an authorized contractor acting as a

representative of the Commissioner) upon the presentation of credentials and other documents as may be required by law, to:

- a. Enter upon the permittee's premises where a point source, regulated facility, or activity is located or conducted, or where records must be kept pursuant to the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of this permit;
- c. Inspect at reasonable times any facilities, equipment or methods (including monitoring and control equipment), practices, or operations regulated or required pursuant to this permit; and
- d. Sample or monitor at reasonable times, any discharge of pollutants or internal wastestreams for the purposes of evaluating compliance with the permit or as otherwise authorized.

17. New or Increased Discharge of Pollutants

This permit prohibits the permittee from undertaking any action that would result in a new or increased discharge of a bioaccumulative chemical of concern (BCC) or a new or increased permit limit for a regulated pollutant that is not a BCC unless one of the following is completed prior to the commencement of the action:

- a. Information is submitted to the Commissioner demonstrating that the proposed new or increased discharges will not cause a significant lowering of water quality as defined under 327 IAC 2-1.3-2(50). Upon review of this information, the Commissioner may request additional information or may determine that the proposed increase is a significant lowering of water quality and require the submittal of an antidegradation demonstration.
- b. An antidegradation demonstration is submitted to and approved by the Commissioner in accordance with 327 IAC 2-1.3-5 and 327 IAC 2-1.3-6.

B. MANAGEMENT REQUIREMENTS

1. Facility Operations, Maintenance, and Quality Control

- a. In accordance with 327 IAC 5-2-8(9), the permittee shall at all times maintain in good working order and efficiently operate all facilities and systems (and related appurtenances, i.e., equipment used for measuring and determining compliance) for collection and treatment that are:

- (1) installed or used by the permittee; and
- (2) necessary for achieving compliance with the terms and conditions of the permit.

Neither 327 IAC 5-2-8(9), nor this provision, shall be construed to require the operation of installed treatment facilities that are unnecessary for achieving compliance with the terms and conditions of the permit. This provision also does not prohibit taking redundant treatment units off line, provided that the permittee is at all times: maintaining in good working order and efficiently operating all facilities and systems; providing best quality effluent; and achieving compliance with the terms and conditions of the permit.

- b. The permittee shall operate the permitted facility in a manner which will minimize upsets and discharges of excessive pollutants. The permittee shall properly remove and dispose of excessive solids and sludges.
- c. The permittee shall provide an adequate operating staff which is duly qualified to carry out the operation, maintenance, and testing functions required to ensure compliance with the conditions of this permit.
- d. Maintenance of all waste collection, control, treatment, and disposal facilities shall be conducted in a manner that complies with the bypass provisions set forth below.
- e. Pursuant to 327 IAC 5-22-10(1), the permittee is responsible for providing adequate funding for and oversight of the wastewater treatment plant and collection system to ensure proper operation, maintenance, management, and supervision.
- f. Any extensions to the sewer system must continue to be constructed on a separated basis. Plans and specifications, when required, for extension of the sanitary system must be submitted to the Facility Construction and Engineering Support Section, Office of Water Quality in accordance with 327 IAC 3-2-2. There shall also be an ongoing preventative maintenance program for the sanitary sewer system.

2. Bypass of Treatment Facilities

Pursuant to 327 IAC 5-2-8(12):

- a. Terms as defined in 327 IAC 5-2-8(12)(A):
 - (1) "Bypass" means the intentional diversion of a waste stream from any portion of a treatment facility.

- (2) "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
- b. Bypasses, as defined above, are prohibited, and the Commissioner may take enforcement action against a permittee for bypass, unless:
- (1) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage, as defined above;
 - (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass that occurred during normal periods of equipment downtime or preventive maintenance; and
 - (3) The permittee submitted notices as required under Part II.B.2.d; or
 - (4) The condition under Part II.B.2.f below is met.
- c. Bypasses that result in death or acute injury or illness to animals or humans must be reported in accordance with the "Spill Response and Reporting Requirements" in 327 IAC 2-6.1, including calling 888/233-7745 as soon as possible, but within two (2) hours of discovery. However, under 327 IAC 2-6.1-3(1), when the constituents of the bypass are regulated by this permit, and death or acute injury or illness to animals or humans does not occur, the reporting requirements of 327 IAC 2-6.1 do not apply.
- d. The permittee must provide the Commissioner with the following notice:
- (1) If the permittee knows or should have known in advance of the need for a bypass (anticipated bypass), it shall submit prior written notice. If possible, such notice shall be provided at least ten (10) days before the date of the bypass for approval by the Commissioner.
 - (2) The permittee shall orally report an unanticipated bypass within 24 hours of becoming aware of the bypass event. The permittee must also provide a written report within five (5) days of the time the permittee becomes aware of the bypass event. **Note that electronic submission will be the**

only acceptable method after December 21, 2025. The report must contain a description of the noncompliance (i.e. the bypass) and its cause; the period of noncompliance, including exact dates and times; if the cause of noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate and prevent recurrence of the bypass event. If a complete email submittal is sent within 24 hours of the time that the permittee became aware of the unanticipated bypass event, then that report will satisfy both the oral and written reporting requirement.

- e. The Commissioner may approve an anticipated bypass, after considering its adverse effects, if the Commissioner determines that it will meet the conditions listed above in Part II.B.2.b. The Commissioner may impose any conditions determined to be necessary to minimize any adverse effects.
- f. The permittee may allow any bypass to occur that does not cause a violation of the effluent limitations in the permit, but only if it also is for essential maintenance to ensure efficient operation. These bypasses are not subject to the provisions of Part II.B.2.b., d and e of this permit.

3. Upset Conditions

Pursuant to 327 IAC 5-2-8(13):

- a. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
- b. An upset shall constitute an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitations if the requirements of Paragraph c of this subsection, are met.
- c. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence, that:
 - (1) An upset occurred and the permittee has identified the specific cause(s) of the upset;
 - (2) The permitted facility was at the time being operated in compliance with proper operation and maintenance procedures;

- (3) The permittee complied with any remedial measures required under “Duty to Mitigate”, Part II.A.2; and
 - (4) The permittee submitted notice of the upset as required in the “Incident Reporting Requirements,” Part II.C.3, or 327 IAC 2-6.1, whichever is applicable. However, under 327 IAC 2-6.1-3(1), when the constituents of the discharge are regulated by this permit, and death or acute injury or illness to animals or humans does not occur, the reporting requirements of 327 IAC 2-6.1 do not apply.
- d. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof pursuant to 40 CFR 122.41(n)(4).

4. Removed Substances

Solids, sludges, filter backwash, or other pollutants removed from or resulting from treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutant from such materials from entering waters of the State and to be in compliance with all Indiana statutes and regulations relative to liquid and/or solid waste disposal.

- a. Collected screenings, slurries, sludges, and other such pollutants shall be disposed of in accordance with provisions set forth in 329 IAC 10, 327 IAC 6.1, or another method approved by the Commissioner.
- b. The permittee shall comply with existing federal regulations governing solids disposal, and with applicable provisions of 40 CFR Part 503, the federal sludge disposal regulation standards.
- c. The permittee shall notify the Commissioner prior to any changes in sludge use or disposal practices.
- d. The permittee shall maintain records to demonstrate its compliance with the above disposal requirements.

5. Power Failures

In accordance with 327 IAC 5-2-10 and 327 IAC 5-2-8(14) in order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

- a. provide an alternative power source sufficient to operate facilities utilized by the permittee to maintain compliance with the effluent limitations and conditions of this permit, or

- b. shall halt, reduce or otherwise control all discharge in order to maintain compliance with the effluent limitations and conditions of this permit upon the reduction, loss, or failure of one or more of the primary sources of power to facilities utilized by the permittee to maintain compliance with the effluent limitations and conditions of this permit.

6. Unauthorized Discharge

Any overflow or release of sanitary wastewater from the wastewater treatment facilities or collection system that results in a discharge to waters of the state and is not specifically authorized by this permit is expressly prohibited. These discharges are subject to the reporting requirements in Part II.C.3 of this permit.

C. REPORTING REQUIREMENTS

1. Planned Changes in Facility or Discharge

Pursuant to 327 IAC 5-2-8(11)(F) and 5-2-16(d), the permittee shall give notice to the Commissioner as soon as possible of any planned alterations or additions to the facility (which includes any point source) that could significantly change the nature of, or increase the quantity of, pollutants discharged. Following such notice, the permit may be modified to revise existing pollutant limitations and/or to specify and limit any pollutants not previously limited. Material and substantial alterations or additions to the permittee's operation that were not covered in the permit (e.g., production changes, relocation or combination of discharge points, changes in the nature or mix of products produced) are also cause for modification of the permit. However those alterations which constitute total replacement of the process or the production equipment causing the discharge converts it into a new source, which requires the submittal of a new NPDES application.

2. Monitoring Reports

Pursuant to 327 IAC 5-2-8(10), 327 IAC 5-2-13, and 327 IAC 5-2-15, monitoring results shall be reported at the intervals and in the form specified in "Data On Plant Operation", Part I.B.2.

3. Incident Reporting Requirements

Pursuant to 327 IAC 5-2-8(11) and 327 IAC 5-1-3, the permittee shall orally report to the Commissioner information on the following incidents within 24 hours from the time permittee becomes aware of such occurrence. If the incident meets the emergency criteria of item b (Part II.C.3.b) or 327 IAC 2-6.1, then the report shall be made as soon as possible, but within two (2) hours of discovery.

However, under 327 IAC 2-6.1-3(1), when the constituents of the discharge are regulated by this permit, and death or acute injury or illness to animals or humans does not occur, the reporting requirements of 327 IAC 2-6.1 do not apply.

- a. Any unanticipated bypass which exceeds any effluent limitation in the permit;
- b. Any emergency incident which may pose a significant danger to human health or the environment. Reports under this item shall be made as soon as the permittee becomes aware of the incident by calling 317/233-7745 (888/233-7745 toll free in Indiana). This number should only be called when reporting these emergency events;
- c. Any upset (as defined in Part II.B.3 above) that exceeds any technology-based effluent limitations in the permit;
- d. Any release, including basement backups, from the sanitary sewer system (including satellite sewer systems operated or maintained by the permittee) not specifically authorized by this permit. Reporting of known releases from private laterals not caused by a problem in the sewer system owned or operated by the permittee is not required under Part II.C.3, however, documentation of such events must be maintained by the permittee and available for review by IDEM staff; or
- e. Any discharge from any outfall from which discharge is explicitly prohibited by this permit as well as any discharge from any other outfall or point not listed in this permit.

The permittee can make the oral reports by calling 317/232-8670 during regular business hours and asking for the Compliance Data Section, or by calling (317/233-7745) (888/233-7745 toll free in Indiana) during non-business hours. A written submission shall also be provided within five (5) days of the time the permittee becomes aware of the circumstances. The written submission shall contain: a description of the event and its cause; the period of occurrence, including exact dates and times, and, if the event has not concluded, the anticipated time it is expected to continue; and steps taken or planned to reduce, mitigate and eliminate the event and steps taken or planned to prevent its recurrence. The Commissioner may waive the written report on a case-by-case basis if the oral report has been received within 24 hours. Alternatively the permittee may submit a "Bypass Overflow/Incident Report" (State Form 48373) or a "Noncompliance Notification Report" (State Form 54215), whichever is appropriate, to IDEM at wwreports@idem.IN.gov. If a complete submittal is sent within 24 hours of the time that the permittee became aware of the occurrence, then that report will satisfy both the oral and written reporting requirements.

4. Other Noncompliance

Pursuant to 327 IAC 5-2-8(11)(D), the permittee shall report any instance of noncompliance not reported under the "Incident Reporting Requirements" in Part II.C.3 at the time the pertinent Discharge Monitoring Report is submitted. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and, if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate and prevent the noncompliance.

5. Other Information

Pursuant to 327 IAC 5-2-8(11)(E), where the permittee becomes aware that it failed to submit any relevant facts or submitted incorrect information in a permit application or in any report to the Commissioner, the permittee shall promptly submit such facts or corrected information to the Commissioner.

6. Signatory Requirements

Pursuant to 327 IAC 5-2-22 and 327 IAC 5 2 8(15):

- a. All reports required by the permit and other information requested by the Commissioner shall be signed and certified by a person described below or by a duly authorized representative of that person:
 - (1) For a corporation: by a principal executive defined as a president, secretary, treasurer, any vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy-making functions for the corporation or the manager of one or more manufacturing, production, or operating facilities employing more than two hundred fifty (250) persons or having gross annual sales or expenditures exceeding twenty-five million dollars (\$25,000,000) (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
 - (2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
 - (3) For a federal, state, or local governmental body or any agency or political subdivision thereof: by either a principal executive officer or ranking elected official.
- b. A person is a duly authorized representative only if:

- (1) The authorization is made in writing by a person described above.
 - (2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, or position of equivalent responsibility. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and
 - (3) The authorization is submitted to the Commissioner.
- c. Electronic Signatures. If documents described in this section are submitted electronically by or on behalf of the NPDES-regulated facility, any person providing the electronic signature for such documents shall meet all relevant requirements of this section, and shall ensure that all of the relevant requirements of 40 CFR part 3 (including, in all cases, subpart D to part 3) (Cross-Media Electronic Reporting) and 40 CFR part 127 (NPDES Electronic Reporting Requirements) are met for that submission.
 - d. Certification. Any person signing a document identified under paragraphs a and b of this section, shall make the following certification:

“I certify under penalty of law that 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 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.”

7. Availability of Reports

Except for data determined to be confidential under 327 IAC 12.1, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Indiana Department of Environmental Management and the Regional Administrator. As required by the Clean Water Act, permit applications, permits, and effluent data shall not be considered confidential.

8. Penalties for Falsification of Reports

IC 13-30 and 327 IAC 5-2-8(15) provides that any person who knowingly makes any false statement, representation, or certification in any record or other

document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance, shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 180 days per violation, or by both.

9. Progress Reports

In accordance with 327 IAC 5-2-8(11)(A), reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than fourteen (14) days following each schedule date.

10. Advance Notice for Planned Changes

In accordance with 327 IAC 5-2-8(11)(B), the permittee shall give advance notice to IDEM of any planned changes in the permitted facility, any activity, or other circumstances that the permittee has reason to believe may result in noncompliance with permit requirements.

11. Additional Requirements for POTWs and/or Treatment Works Treating Domestic Sewage

- a. All POTWs shall identify, in terms of character and volume of pollutants, any significant indirect discharges into the POTW which are subject to pretreatment standards under section 307(b) and 307 (c) of the CWA.
- b. All POTWs must provide adequate notice to the Commissioner of the following:
 - (1) Any new introduction of pollutants into the POTW from an indirect discharger that would be subject to section 301 or 306 of the CWA if it were directly discharging those pollutants.
 - (2) Any substantial change in the volume or character of pollutants being introduced into that POTW by any source where such change would render the source subject to pretreatment standards under section 307(b) or 307(c) of the CWA or would result in a modified application of such standards.

As used in this clause, "adequate notice" includes information on the quality and quantity of effluent introduced into the POTW, and any anticipated impact of the change on the quantity or quality of the effluent to be discharged from the POTW.

- c. This permit incorporates any conditions imposed in grants made by the U.S. EPA and/or IDEM to a POTW pursuant to Sections 201 and 204 of the Clean Water Act, that are reasonably necessary for the achievement of effluent limitations required by Section 301 of the Clean Water Act.
- d. This permit incorporates any requirements of Section 405 of the Clean Water Act governing the disposal of sewage sludge from POTWs or any other treatment works treating domestic sewage for any use for which rules have been established in accordance with any applicable rules.
- e. POTWs must develop and submit to the Commissioner a POTW pretreatment program when required by 40 CFR 403 and 327 IAC 5-19-1, in order to assure compliance by industrial users of the POTW with applicable pretreatment standards established under Sections 307(b) and 307(c) of the Clean Water Act. The pretreatment program shall meet the criteria of 327 IAC 5-19-3 and, once approved, shall be incorporated into the POTW's NPDES permit.

12. Electronic Reporting

IDEM is currently developing the technology and infrastructure necessary to allow compliance with the EPA Phase 2 e-reporting requirements per 40 CFR 127.16 and to allow electronic reporting of applications, notices, plans, reports, and other information not covered by the federal e-reporting regulations.

IDEM will notify the permittee when IDEM's e-reporting system is ready for use for one or more applications, notices, plans, reports, or other information. This IDEM notice will identify the specific applications, notices, plans, reports, or other information that are to be submitted electronically and the permittee will be required to use the IDEM electronic reporting system to submit the identified application(s), notice(s), plan(s), report(s), or other information.

See Part I.B.3., Monthly Reporting, for the electronic reporting requirements for the monthly monitoring reports such as the Discharge Monitoring Report (DMR), Monthly Report of Operation (MRO) and Monthly Monitoring Report (MMR).

13. Trucked or Hauled Pollutants

The permittee shall prohibit the introduction of trucked or hauled pollutants into the treatment works, except under the following conditions:

- a. The permittee has provided prior written permission to the person seeking to discharge the hauled or trucked pollutants into the treatment works;

- b. The person seeking to discharge the hauled or trucked pollutants into the treatment works possesses a valid wastewater management permit and valid vehicle licenses, as required by IDEM;
- c. The pollutants that are introduced are limited to domestic sanitary wastewaters;
 - (1) The introduction of trucked or hauled industrial wastewaters into the treatment works is prohibited, unless the permittee receives approval per (2) and (3) below;
 - (2) Approval for accepting hauled industrial wastewater must be obtained from the appropriate approval authority, whether that is IDEM or EPA, prior to the acceptance of the industrial wastewater in accordance with Part II.A.3, Part II.C.1 and Part II.C.10 of this permit;
 - (3) Hauled wastewater permit conditions prohibit a POTW from accepting wastewater from CIUs (regardless of potential to significantly alter the nature or quantity of pollutants discharged as described in Part II.A.3) unless specifically authorized to do so by a federally approved pretreatment program.
- d. The pollutants are introduced into the treatment works via a discharge point designated by the permittee.

14. Hauled Waste Requirements

In the event that the permittee allows the introduction of trucked or hauled pollutants under the conditions specified in item 13 above, the permittee shall:

- a. Obtain and retain, for a minimum of forty-eight hours, samples that are representative of the hauled or trucked pollutants;
- b. Analyze the samples obtained pursuant to item “a” above in the event that the permittee believes or has reason to believe that the hauled or trucked pollutants may be causing and/or contributing to pass-through and/or interference;
- c. Maintain records, for each discharge of trucked or hauled pollutants into the treatment works, of the following:
 - (1) Name of the person discharging the trucked or hauled pollutants;
 - (2) Septage management permit number (if applicable) and BMV vehicle license plate number and expiration date;

- (3) Origination, volume, and nature of the trucked or hauled pollutants;
- (4) Date and time of the discharge;
- (5) Any sampling conducted; and
- (6) Analytical Results, if any.

D. ADDRESSES

1. Municipal NPDES Permits Section

Indiana Department of Environmental Management
Office of Water Quality – Rm 1255
Municipal NPDES Permits Section
100 N. Senate Avenue
Indianapolis, Indiana 46204-2251

The following correspondence shall be sent to the Municipal NPDES Permits Section:

- a. NPDES permit applications (new, renewal or modifications) with fee
- b. Preliminary Effluent Limits request letters
- c. Comment letters pertaining to draft NPDES permits
- d. NPDES permit transfer of ownership requests
- e. NPDES permit termination requests
- f. Notifications of substantial changes to a treatment facility, including new industrial sources
- g. Combined Sewer Overflow (CSO) Operational Plans
- h. CSO Long Term Control Plans (LTCP)
- i. Stream Reach Characterization and Evaluation Reports (SRCER)
- j. Streamlined Mercury Variance Annual Reports

2. Facility Construction and Engineering Support Section

Indiana Department of Environmental Management
Office of Water Quality – Rm 1255
Facility Construction and Engineering Support Section
100 N. Senate Avenue
Indianapolis, Indiana 46204-2251

The following correspondence shall be sent to the Facility Construction and Engineering Support Section:

- a. Construction permit applications with fee

3. Compliance Data Section

Indiana Department of Environmental Management
Office of Water Quality – Rm 1255
Compliance Data Section
100 N. Senate Avenue
Indianapolis, Indiana 46204-2251

The following correspondence shall be sent to the Compliance Data Section:

- a. Discharge Monitoring Reports (DMRs)
- b. Monthly Reports of Operation (MROs)
- c. Monthly Monitoring Reports (MMRs)
- d. CSO MROs
- e. Gauging station and flow meter calibration documentation
- f. Compliance schedule progress reports
- g. Completion of Construction notifications
- h. Whole Effluent Toxicity (WET) Testing reports
- i. Notification of two (2) consecutive failed WETTs and the intent to begin implementation of a TRE
- j. Notification of initiation of a TRE
- k. TRE plans and progress reports

- l. TRE final report
 - m. Bypass/Overflow Reports
 - n. Anticipated Bypass/Overflow Reports
4. Pretreatment Group

Indiana Department of Environmental Management
Office of Water Quality – Rm 1255
Compliance Data Section – Pretreatment Group
100 N. Senate Avenue
Indianapolis, Indiana 46204-2251

The following correspondence shall be sent to the Pretreatment Group:

- a. Organic Pollutant Monitoring Reports
- b. Significant Industrial User (SIU) Quarterly Noncompliance Reports
- c. Pretreatment Program Annual Reports
- d. Sewer Use Ordinances
- e. Enforcement Response Plans (ERP)
- f. Sludge analytical results



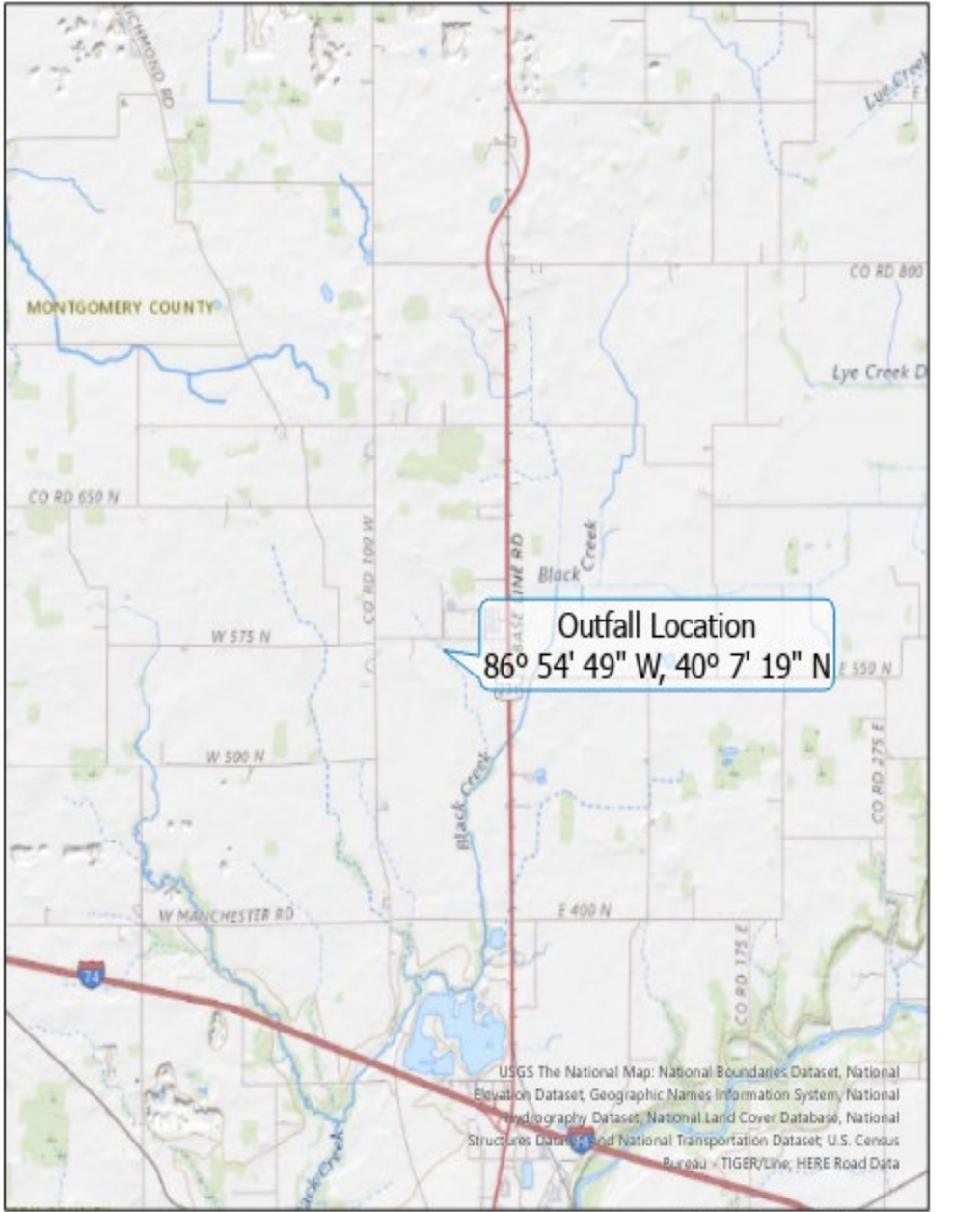
National Pollutant Discharge Elimination System
Briefing Memo for
North Montgomery High School Wastewater Treatment Plant
Draft: February 2024
Final: April 2024

Indiana Department of Environmental Management

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

Permittee:	North Montgomery Community School Corporation Dr. Colleen Moran, Superintendent 480 W 580 N Crawfordsville, IN 47933 cmoran@nm.k12.in.us , 765/359-2112
Existing Permit Information:	Permit Number: IN0031151 Expiration Date: November 30, 2024
Facility Contact:	Omar Bahlool, Operator obahlool@nm.k12.in.us , 812/244-9499
Facility Location:	580 N between U.S. 231 and 480 W (Between the North Montgomery High School and the Central Office) Crawfordsville, IN 47933 Montgomery County
Receiving Stream:	McClamroch Ditch to Black Creek to Sugar Creek
GLI/Non-GLI:	Non-GLI
Proposed Permit Action:	Renewal
Date Application Received:	January 22, 2024
Facility Category:	NPDES Minor Semi-Public
Permit Writer:	Nicholas Eilerman, Senior Environmental Manager neilerma@idem.in.gov , 317/232-8619

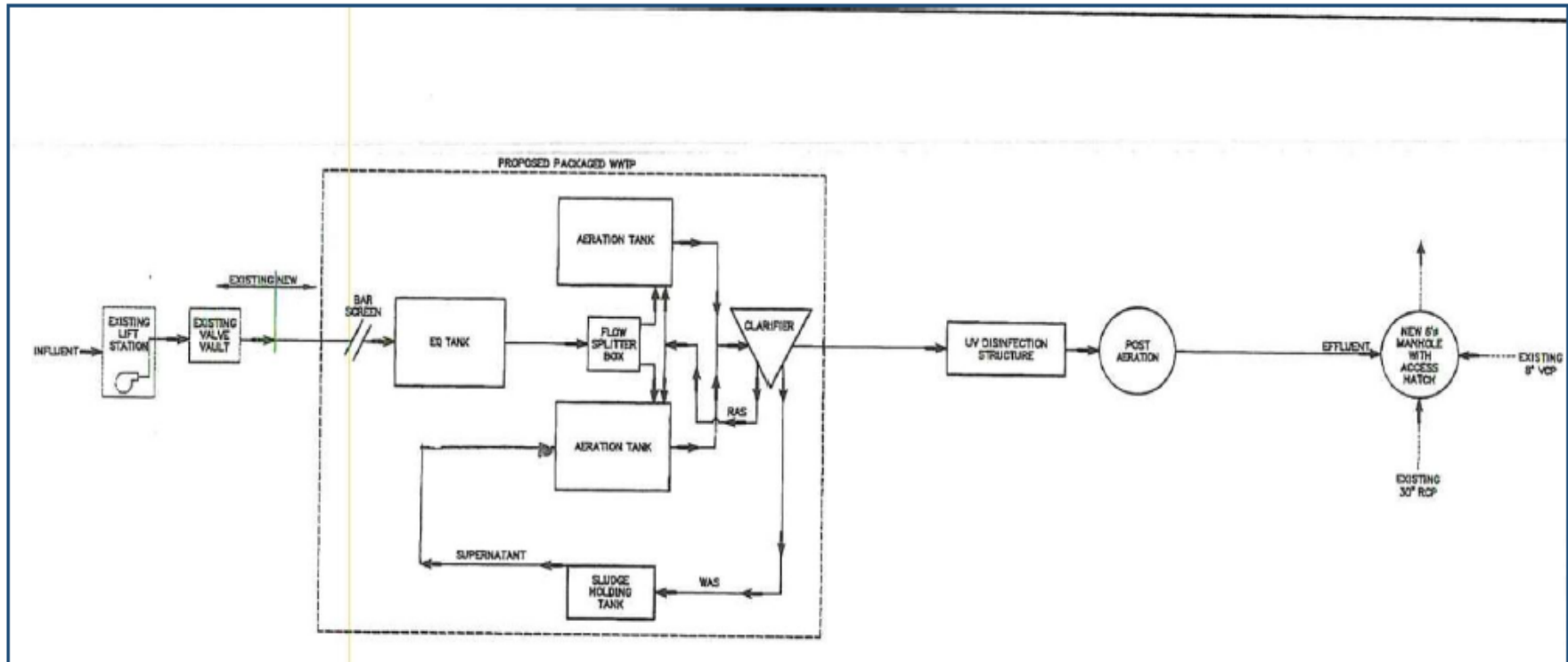
NORTH MONTGOMERY HIGHSCHOOL WWTP OUTFALL LOCATION MAP



Map Created By: Nicholas Eilerman
Date: 2/15/24

Legend

Flow Schematic Diagram for the North Montgomery High School WWTP



Outfall Location

Latitude: 40° 7' 19" N
Longitude: 86° 54' 49" W

Background

This is the proposed renewal of the NPDES permit for the North Montgomery Highschool Wastewater Treatment Plant which was issued on July 25, 2019 and has an expiration date of November 30, 2024. The permittee submitted an application for renewal which was received on January 22, 2024. The permittee currently operates a Class I, 0.025 MGD extended aeration treatment facility treatment facility consisting of an influent flow meter, an equalization tank with a bar screen, two (2) aeration tanks with fine bubble diffusers, a final clarifier, ultraviolet light disinfection, post aeration, an aerobic digester and an effluent flow meter. Final sludge is hauled off-site site by a licensed contractor.

Permit Revision & Construction History

There were no modifications to the permit nor construction permits issued since the facility's NPDES aforementioned permit renewal.

Collection System

The collection system is comprised of 100% separate sanitary sewers by design with no overflow or bypass points.

Spill Reporting Requirements

Reporting requirements associated with the Spill Reporting, Containment, and Response requirements of 327 IAC 2-6.1 are included in Part II.B.2.c. and Part II.C.3. of the NPDES permit. Spills from the permitted facility meeting the definition of a spill under 327 IAC 2-6.1-4(15), the applicability requirements of 327 IAC 2-6.1-1, and the Reportable Spills requirements of 327 IAC 2-6.1-5 (other than those meeting an exclusion under 327 IAC 2-6.1-3 or the criteria outlined below) are subject to the Reporting Responsibilities of 327 IAC 2-6.1-7.

It should be noted that the reporting requirements of 327 IAC 2-6.1 do not apply to those discharges or exceedances that are under the jurisdiction of an applicable permit when the substance in question is covered by the permit and death or acute injury or illness to animals or humans does not occur. In order for a discharge or exceedance to be under the jurisdiction of this NPDES permit, the substance in question (a) must have been discharged in the normal course of operation from an outfall listed in this permit, and (b) must have been discharged from an outfall for which the permittee has authorization to discharge that substance.

Solids Disposal

The permittee is required to dispose of its sludge in accordance with 329 IAC 10, 327 IAC 6.1, or 40 CFR Part 503. Final sludge is hauled off-site by a licensed contractor. Solids at the facility are hauled offsite.

Receiving Stream

The facility discharges to McClamroch Ditch to Black Creek to Sugar Creek via Outfall 001, which is located in watershed HUC-12 051201100602 and Assessment Unit INB1061_T1009. The receiving water has a seven day, ten year low flow ($Q_{7,10}$) of 0 cubic feet per second at the outfall location. There are no lakes or reservoirs within forty (40) miles downstream of the facility.

The receiving stream is designated for full body contact recreational use and shall be capable of supporting a well-balanced warm water aquatic community in accordance with 327 IAC 2-1.

The primary receiving stream (INB1061_T1009) is not listed on Indiana's 2022 303(d) list of impaired water bodies for any parameter. There is currently no Total Maximum Daily Load (TMDL) report available or in progress for this receiving stream or facility.

Industrial Contributions

There is no industrial flow to the wastewater treatment plant. This NPDES permit does not authorize the facility to accept industrial contributions until the permittee has provided the Indiana Department of Environmental Management with a characterization of the waste, including volume amounts, and this Office has determined whether effluent limitations are needed to ensure the State water quality standards are met in the receiving stream.

Antidegradation

Indiana's Antidegradation Standards and Implementation procedures are outlined in 327 IAC 2-1.3. The antidegradation standards established by 327 IAC 2-1.3-3 apply to all surface waters of the state. The permittee is prohibited from undertaking any deliberate action that would result in a new or increased discharge of a bioaccumulative chemical of concern (BCC) or a new or increased permit limit for a regulated pollutant that is not a BCC unless information is submitted to the commissioner demonstrating that the proposed new or increased discharge will not cause a significant lowering of water quality, or an antidegradation demonstration submitted and approved in accordance 327 IAC 2-1.3-5 and 2-1.3-6.

The NPDES permit does not propose to establish a new or increased loading of a regulated pollutant; therefore, the Antidegradation Implementation Procedures in 327 IAC 2-1.3-5 and 2-1.3-6 do not apply to the permitted discharge.

Effluent Limitations and Rationale

The effluent limitations proposed herein are based on Indiana Water Quality Standards, NPDES regulations, the Small Sanitary Discharger Rule in 327 IAC 5-10-5, and a Wasteload Allocation (WLA) analysis performed by this Office's Permits Branch staff on July 8, 1997. These limits are in accordance with antibacksliding regulations specified in 327 IAC 5-2-10(a)(11)(A). Monitoring frequencies are based upon facility size and type. Due to the small size of the facility (<0.05 MGD), grab sampling has been allowed in-lieu of 24-hour composite sampling.

For publicly owned treatment works, the 30-day average percent removal for Carbonaceous Biochemical Oxygen Demand (CBOD₅) and Total Suspended Solids shall not be less than 85 percent in accordance with 40 CFR Part 133.102, as incorporated by reference in 327 IAC 5-2-1.5. The permittee must monitor the influent and effluent CBOD₅ and TSS at least once per month and calculate the percent removal to ensure compliance with the required 85 percent removal. This information must be maintained on site and provided to this Office's staff upon request.

The final effluent parameters to be limited and/or monitored include: Flow, Carbonaceous Biochemical Oxygen Demand (CBOD₅), Total Suspended Solids (TSS), Ammonia-nitrogen (NH₃-N), , pH, Dissolved Oxygen (DO), and *Escherichia coli* (*E. coli*).

Final Effluent Limitations

The summer monitoring period runs from May 1 through November 30 of each year and the winter monitoring period runs from December 1 through April 30 of each year. The disinfection season runs from April 1 through October 31 of each year.

The mass limits for CBOD₅, TSS, and ammonia-nitrogen are calculated by multiplying the average design flow (in MGD) by the corresponding concentration value and by 8.345.

Influent Monitoring

The raw influent and the wastewater from intermediate unit treatment processes, as well as the final effluent shall be sampled and analyzed for the pollutants and operational parameters specified by the applicable Monthly Report of Operation Form, as appropriate, in accordance with 327 IAC 5-2-13 and Part I.B.2 of the permit. Except where the permit specifically states otherwise, the sample frequency for the raw influent and intermediate unit treatment process shall be at a minimum the same frequency as that for the final effluent. The measurement frequencies specified in each of the tables in Part I.A. are the minimum frequencies required by the permit.

Flow

Flow is to be measured five (5) times weekly as a 24-hour total. Reporting of flow is required by 327 IAC 5-2-13.

CBOD₅

CBOD₅ is limited to 15 mg/l (3.1 lbs/day) as a monthly average and 23 mg/l (4.8 lbs/day) as a weekly average during the summer monitoring period. During the winter monitoring period, CBOD₅ is limited to 25 mg/l (5.2 lbs/day) as a monthly average and 40 mg/l (8.3 lbs/day) as a weekly average.

Monitoring is to be conducted weekly by grab sampling. The CBOD₅ concentration limitations included in this permit are set in accordance with the Small Sanitary Discharger Rule in 327 IAC 5-10-5 and the Wasteload Allocation (WLA) analysis performed by this Office's Permits Branch staff on July 8, 1997. These effluent limitations are the same as the concentration limitations found in the facility's previous permit.

TSS

TSS is limited to 18 mg/l (3.8 lbs/day) as a monthly average and 27 mg/l (5.6 lbs/day) as a weekly average during the summer monitoring period. During the winter monitoring period, TSS is limited to 30 mg/l (6.3 lbs/day) as a monthly average and 45 mg/l (9.4 lbs/day) as a weekly average.

Monitoring is to be conducted weekly by grab sampling. The TSS concentration limitations included in this permit are set in accordance with the Small Sanitary Discharger Rule in 327 IAC 5-10-5 and the Wasteload Allocation (WLA) analysis performed by this Office's Permits Branch staff on July 8, 1997. These effluent limitations are the same as the concentration limitations found in the facility's previous permit.

Ammonia-nitrogen

Ammonia-nitrogen is limited to 1.1 mg/l (0.23 lbs/day) as a monthly average and 1.6 mg/l (0.33 lbs/day) as a weekly average during the summer monitoring period. During the winter monitoring period, ammonia-nitrogen is limited to 1.6 mg/l (0.33 lbs/day) as a monthly average and 2.4 mg/l (0.50 lbs/day) as a weekly average.

Monitoring is to be conducted weekly by grab sampling. The ammonia-nitrogen concentration limitations included in this permit are set in accordance with the Small Sanitary Discharger Rule in 327 IAC 5-10-5. These effluent limitations are the same as the concentration limitations found in the facility's previous permit.

Total Phosphorus

The Office's guidelines regarding total phosphorus limits has been updated and the facility does not meet the criteria for required monitoring and limitations related to total phosphorus. Therefore, the final phosphorus limitations and monitoring have been removed from the permit.

pH

The pH limitations have been based on 40 CFR 133.102 which is cross-referenced in 327 IAC 5-5-3.

To ensure conditions necessary for the maintenance of a well-balanced aquatic community, the pH of the final effluent must be between 6.0 and 9.0 standard units in accordance with provisions in 327 IAC 2-1-6(b)(2).

pH must be measured two (2) times weekly by grab sampling. These pH limitations are the same as the limitations found in the facility's previous permit.

Dissolved Oxygen

Dissolved oxygen shall not fall below 6.0 mg/l as a daily minimum average during the summer monitoring period. During the winter monitoring period, dissolved oxygen shall not fall below 5.0 mg/l as a daily minimum average.

These dissolved oxygen limitations are based on the Small Sanitary Discharger Rule in 327 IAC 5-10-5 and the Wasteload Allocation (WLA) analysis performed by this Office's Permits Branch staff on July 8, 1997. These effluent limitations are the same as the concentration limitations found in the facility's previous permit.

Dissolved oxygen measurements must be based on the average of two (2) grab samples taken within a 24-hr. period. This monitoring is to be conducted two (2) times weekly.

E. coli

The *E. coli* limitations and monitoring requirements apply from April 1 through October 31, annually. *E. coli* is limited to 125 count/100 ml as a monthly average, and 235 count/100 ml as a daily maximum. The monthly average *E. coli* value shall be calculated as a geometric mean. This monitoring is to be conducted weekly by grab sampling. These *E. coli* limitations are set in accordance with regulations specified in 327 IAC 5-10-6.

Backsliding

None of the concentration limits included in this permit conflict with antibacksliding regulations found in 327 IAC 5-2-10(a)(11)(A), therefore, backsliding is not an issue.

Reopening Clauses

Three (3) reopening clauses were incorporated into the permit in Part I.C. One clause is to incorporate effluent limits from any further wasteload allocations performed; a second clause is to allow for changes in the sludge disposal standards; and a third clause is to incorporate any applicable effluent limitation or standard issued or approved under section 301(b)(2)(C), (D) and (E), 304(b)(2), and 307(a)(2) of the Clean Water Act.

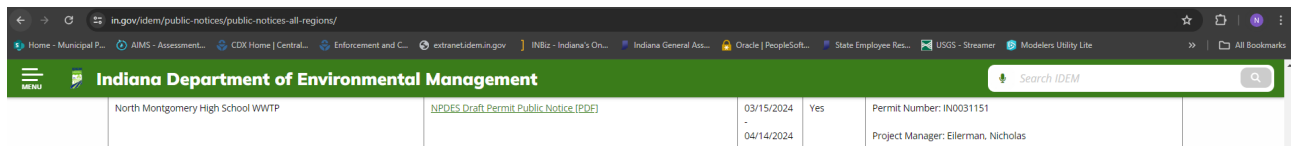
Compliance Status

The permittee has no enforcement actions at the time of this permit preparation.

Expiration Date

A five-year NPDES permit is proposed.

Post Public Notice Addendum



The screenshot shows a web browser window with the URL <https://www.in.gov/idem/public-notices/public-notices-all-regions/>. The page header is green with the text "Indiana Department of Environmental Management" and a search bar labeled "Search IDEM". Below the header is a table with the following data:

North Montgomery High School WWTP	NPDES Draft Permit Public Notice (PDF)	03/15/2024 - 04/14/2024	Yes	Permit Number: IN0031151 Project Manager: Ellerman, Nicholas
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The draft NPDES permit for North Montgomery HS Wastewater Treatment Plant was made available for public comment from March 15, 2024 through April 14, 2024 as part of Public Notice No. 20240315-IN0031151-D on IDEM's website at <https://www.in.gov/idem/public-notices/public-notices-all-regions/>. During this comment period, no comment letters were received.

STATE OF INDIANA
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
PUBLIC NOTICE NO: 20240523 – IN0031151– F
DATE OF NOTICE: May 23, 2024

The Office of Water Quality has issued the following FINAL NPDES PERMIT:

MINOR – RENEWAL:

North Montgomery High School WWTP, Permit No. IN0031151, MONTGOMERY COUNTY, CR 580 N between U.S. Hwy 231 and CR 480 W (Between the North Montgomery High School and the Central Office), Crawfordsville, IN. This minor semi-public facility discharges 0.025 million gallons daily of treated sanitary wastewater into McClamroch Ditch to Black Creek to Sugar Creek via Outfall 001, which is located at GPS coordinates 40° 7' 19" N, 86° 54' 49" W. Final solids are hauled away by a licensed contractor. Permit Manager: Nicholas Eilerman at 317-232-8619, neilerma@idem.in.gov. Posted online at <https://www.in.gov/idem/public-notices/>.

Notice of Right to Administrative Review

If you wish to challenge this Permit, you must file a Petition for Administrative Review with the Office of Adjudication (OEA) and serve a copy of the Petition upon IDEM. The requirements for filing a Petition for Administrative Review are found in IC 4-21.5-3-7, IC 13-15-6-1 and 315 IAC 1-3-2. A summary of the requirements of these laws is provided below.

A Petition for Administrative Review must be filed with the Office of Environmental Adjudication (OEA) within fifteen (15) days of the issuance of this notice (eighteen (18) days if you received this notice by U.S. Mail), and a copy must be served upon IDEM. Addresses are:

Director
Office of Environmental Adjudication
Indiana Government Center North
100 North Senate Avenue - Room N103
Indianapolis, Indiana 46204

Commissioner
Indiana Department of Environmental Management
Indiana Government Center North
100 North Senate Avenue - Room 1301
Indianapolis, Indiana 46204

The Petition must contain the following information:

1. The name, address and telephone number of each petitioner.
2. A description of each petitioner's interest in the Permit.
3. A statement of facts demonstrating that each petitioner is:
 - a. a person to whom the order is directed.
 - b. aggrieved or adversely affected by the Permit.
 - c. entitled to administrative review under any law.
4. The reasons for the request for administrative review.
5. The particular legal issues proposed for review.

6. The alleged environmental concerns or technical deficiencies of the Permit.
7. The Permit terms and conditions that the petitioner believes would be appropriate and would comply with the law.
8. The identity of any persons represented by the petitioner.
9. The identity of the person against whom administrative review is sought.
10. A copy of the Permit that is the basis of the petition.
11. A statement identifying petitioner's attorney or other representative, if any.

Failure to meet the requirements of the law with respect to a Petition for Administrative Review may result in a waiver of your right to seek administrative review of the Permit. Examples are:

1. Failure to file a Petition by the applicable deadline.
2. Failure to serve a copy of the Petition upon IDEM when it is filed; or
3. Failure to include the information required by law.

If you seek to have a Permit stayed during the Administrative Review, you may need to file a Petition for a Stay of Effectiveness. The specific requirements for such a Petition can be found in 315 IAC 1-3-2 and 315 IAC 1-3-2.1.

Pursuant to IC 4-21.5-3-17, OEA will provide all parties with Notice of any pre-hearing conferences, preliminary hearings, hearings, stays, or orders disposing of the review of this action. If you are entitled to Notice under IC 4-21.5-3-5(b) and would like to obtain notices of any pre-hearing conferences, preliminary hearings, hearings, stays, or orders disposing of the review of this action without intervening in the proceeding you must submit a written request to OEA at the address above. More information on the appeal review process is available on the website for the Office of Environmental Adjudication at <http://www.in.gov/oea>.



**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
SEMI PUBLIC AND MINOR MUNICIPAL PERMIT APPLICATION**

State Form 54924 (R2 / 7-22)
Approved by State Board of Accounts, 2022
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER QUALITY

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
SEMI PUBLIC AND MINOR MUNICIPAL
PERMIT APPLICATION PACKAGE**

This is an application for a National Pollutant Discharge Elimination System (NPDES) permit to discharge treated sanitary wastewater from a semi-public, minor municipal, State, or Federally owned wastewater treatment facility. Facilities with design flows of one (1) million gallons per day (MGD), or greater, are considered major facilities and must complete a Major Municipal Discharger Application.

Included in this package is a checklist noting all items to be submitted with the application. Please ensure that all items appearing on the checklist are accurately completed and submitted to avoid delays and/or denial of the application. Also included in this application package is an application form, a potentially affected persons form, instructions for completion of these forms, and information regarding the application fee.

The following information **must** be included as part of the NPDES permit application:

- Completed, signed Application Form
- One hundred dollar (\$100) New Permit or Renewal Permit Application Fee;
Fifty dollar (\$50) Modification Application Fee (as required by 327 IAC 5-3-17)
- Potentially Affected Persons List
- Topographic map showing plant and outfall(s) location(s)
- Additional facility diagrams, Combined Sewer Overflow (CSO) listings, etc. necessary to adequately describe facility

Return Completed Application, Fee and Associated Materials to:

Indiana Department of Environmental Management
Office of Water Quality – Mail Code 65-42
Municipal NPDES Permits Section
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

IDEM-WATER QUALITY

JAN 22 2024

I. **NAME OF FACILITY** North Montgomery High School

II. **CURRENT NPDES PERMIT NUMBER** IN00 31151 (New applicants will be assigned a number later.)

III. **MAILING ADDRESS**
Address: 480 W 580 N
City: Crawfordsville State: IN ZIP: 47933

IV. **OWNER OR LEGALLY RESPONSIBLE PARTY (TOWN BOARD/COUNCIL PRESIDENT, MAYOR, SUPERINTENDENT)**
Name: Dr Colleen Moran Title: Supt. of schools
Address: 480 W 580 N
City: Crawfordsville State: IN ZIP: 47933
E-mail address: cmoran@nm.k12.in.us Telephone number: (765) 359 -2112

V. **WASTEWATER TREATMENT PLANT CERTIFIED OPERATOR**
Name: Omar A Bahlool Certification number: WW021681
Classification: Class 1
Address: 3462 N Old State RD. 55
City: Crawfordsville State: IN ZIP: 47933
E-mail address: obahlool@nm.k12.in.us Work telephone number: (812) 244 -9499

VI. **RESIDENT MANAGER OR PERSON IN CHARGE ON SITE**
Name: Omar A Bahlool
Address: 3462 N Old State RD 55
City: Crawfordsville State: IN ZIP: 47933
E-mail address: obahlool@nm.k12.in.us Telephone number: (812) 244 -9499

VII. **CONSULTANT / ENGINEER: (IF APPLICABLE)**
Name: _____ Company: _____
Address: _____
City: _____ State: _____ ZIP: _____
E-mail address: _____ Telephone number: (_____) _____ - _____

NPDES SEMI PUBLIC AND MINOR MUNICIPAL INSTRUCTION SHEET

These instructions are provided to clarify the requirements of the NPDES Semi Public and Minor Municipal Permit Application. Each numbered statement corresponds to the numbered items in the application.

1. Check the appropriate box to indicate the type of ownership:

Semi-Public: any facility not municipally, state, or federally owned (i.e., mobile home parks, schools, restaurants, etc.)

Minor Municipal: any municipally owned facility with a design flow of less than 1 million gallons per day (MGD) (towns, cities)

State Owned: a facility owned by a state agency (state parks, state prisons, etc.)

Federally Owned: a facility owned by a federal agency (military installation, national park, federal penitentiary, etc.)

2. Type of permit requested:

New: the facility has never operated under an NPDES permit

Renewal: the facility is currently operating under a current or expired NPDES permit

Modification: the facility is operating under an NPDES permit but has made or is making significant changes (i.e., treatment process, or amount of flow)

3. Fill in issuance and expiration dates for current or expired NPDES permits.
4. List the actual physical location of the plant so that a person who has never been there can pinpoint it on a map. The description should include street names and addresses, county road numbers, and/or U.S. Geological Survey quadrangle name, section, township and range when applicable.
5. Insert the appropriate volumes in million gallons per day (MGD).

The Average Design Flow is defined as the volume of flow which the facility is designed to treat.

The Average Flow is defined as the average monthly volume of flow through the facility. This number is obtained by averaging the reported flows from the last twelve (12) months of operation.

The Maximum Flow is defined as the maximum amount of flow that the facility is designed to treat.

6. Check the appropriate type of sewer system. If the system is combined storm and sanitary sewers, then also include the percentage of the sewer system that is combined.
7. A Bypass Point is defined as any point in the system where wastewater can be intentionally diverted to avoid treatment at the facility. Check the appropriate box to indicate whether such points exist. Also, list the corresponding 3-digit ID number of each bypass, a detailed location description, and the receiving stream. If more than three (3) bypass points exist, attach a supplemental sheet to this application.
8. An Overflow Point is defined as any point in the collection system where wastewater can be unintentionally discharged from the collection system. Check the appropriate box to indicate whether such points exist. Also, list the corresponding 3-digit ID number of each overflow, a detailed location description, and the receiving stream. If more than three (3) overflow points exist, attach a supplemental sheet to this application.
9. Enter the number of existing plant outfalls other than bypass or overflow points. List all outfalls by their 3-digit ID numbers and provide a detailed description of their location (preferably using longitude and latitude) and their respective receiving streams. Mark each point on a topographic map.

10. Check whether the facility discharges within two (2) miles upstream of any lake, reservoir, or sinkhole. If it does, provide the name of the lake, reservoir, or state that it enters a sinkhole. The distance is to be calculated from the actual outfall point to the receiving stream's entry point to any lake, reservoir, or sinkhole.
11. Check whether the facility discharges within forty (40) miles upstream of any lake, reservoir, or sinkhole. If it does, provide the name of the lake, reservoir, or state that it enters a sinkhole. The distance is to be calculated from the actual outfall point to the receiving stream's entry point to any lake, reservoir, or sinkhole.
12. Enter the distance from this facility to the nearest publicly-owned treatment works measured as a straight line from facility to facility. Also, identify the name of the treatment facility.
13. List the name of the stream receiving the facility's discharge. If the receiving stream is an unnamed ditch, swale, or field tile, then also list the first named water body that the receiving stream flows into (i.e., an unnamed ditch to Blue River).
14. Identify any industries which contribute industrial process wastewater to the collection system. Also, estimate the percentage of total volume of influent that industrial wastewaters comprise and check all the contaminants that have the potential to be present in the industrial wastewaters.
15. If the facility is a municipal treatment facility with significant industrial flow, or is a new facility, enter the population served as well as the population equivalent. The population equivalent is defined by 327 IAC 5-22-3(9) as the calculated population which would contribute a particular amount of biochemical oxygen demand (BOD) per day, using the base of seventeen-hundredths (0.17) pounds of five (5) day BOD per capita per day.
16. If the facility is a semi-public treatment facility, enter the number of customers served.
17. Check the box that describes the level of treatment provided by the treatment facility. Note that any treatment facility designed to remove ammonia is considered to provide advanced treatment.
18. Indicate whether the facility operates as a controlled or continuous discharger. A controlled discharge is defined by 327 IAC 5-1-2-(8) as a discharge of wastewater from a wastewater treatment plant which is designed and operated to control the volume of discharge, either by manual adjustment or by an automated control mechanism, such that the discharge rate does not exceed a prescribed fraction of the stream flow rate at any given time.
19. Check all treatment processes currently in operation at the facility.
20. Check the type of disinfection utilized by the facility, as well as the application method used (i.e., Chlorine tablets, Chlorine gas, etc.). Do the same for the dechlorination question. If the facility utilizes ultra-violet (UV) light disinfection, also indicate whether a UV light intensity meter is installed. If another method of disinfection is utilized, or none at all, please explain.
21. Check the type of sludge handling method(s) utilized. If another method is used, explain.
22. Check the method of sludge disposal utilized. For land application of solid or liquid wastes, include the land application permit number as well. If another method of disposal is utilized, please explain.
23. List any recent, on-going, or proposed construction or change in treatment processes. Describe the construction or changes in detail, including the IDEM construction permit number and month of issuance. Add additional sheets, if necessary.
24. Describe the facility in detail including all equipment, processes and layout. Include a flow diagram, and a copy of a topographic map marking the location of the facility, all combined sewer overflow (CSO) and bypass points, and all plant outfalls.

**NPDES SEMI PUBLIC AND MINOR MUNICIPAL
PERMIT APPLICATION**

NAME OF FACILITY: North Montgomery High School WWTP

NPDES PERMIT NUMBER: IN00³¹¹⁵¹

1. Facility Type:

- Semi-Public Minor Municipal State Owned Federally Owned

2. Type of Permit Action Requested:

- New Renewal Modification

3. If Facility has an Existing Permit:

Date of Issuance (month/day/year): 12 / 1 / 2019 Date of Expiration (month/day/year): 11 / 30 / 2024

4. Facility Location: List the actual physical location of the plant so that a person who has never been there can pinpoint it on a map. The description should include street names and addresses, county road numbers, and/or U.S. Geological Survey quadrangle name, section, township and range when applicable.

Address: 5945 US 231 N

City: Crawfordsville State: IN ZIP: 47933 County: Montgomery

Located on 580 N between US 231 and 100 W, on north side of 580 N, 0.35 miles from US 231.

5. Facility Capacity: Please answer the following questions in million gallons per day (MGD):

Average Design Flow 0.025 Average Flow 0.18 Maximum Flow 0.025

6. Collection System: (check one of the following)

- 100 % Sanitary Sewers Combined Storm and Sanitary Sewers

If combined, what percentage of collection system is combined? %

7. Does the treatment system contain any bypass points? Yes No

If Yes, provide the bypass ID number(s) and corresponding location(s). (Attach additional sheets, if necessary.)

ID number: Location:

Receiving Stream:

ID number: Location:

Receiving Stream:

ID number: Location:

Receiving Stream:

8. Does the treatment system contain any overflow points? Yes No

If Yes, provide the bypass ID number(s) and corresponding location(s). (Attach additional sheets, if necessary.)

ID number: _____ Location: _____
Latitude/Longitude: _____
Receiving Stream: _____

ID number: _____ Location: _____
Latitude/Longitude: _____
Receiving Stream: _____

9. Facility Outfalls:

Number of separate plant outfalls (other than bypass or overflow points):¹ _____

List all separate plant outfalls below: (Attach additional sheets, if necessary.)

ID number: ⁰⁰¹ _____ Location: McClamrock Ditch
Latitude/Longitude: 40°07'19.42" N 86°54'48.88" W
Receiving Stream: Blackcreek

ID number: _____ Location: _____
Latitude/Longitude: _____
Receiving Stream: _____

10. Does the facility discharge within two (2) miles upstream of a lake, reservoir, or sinkhole?

Yes No If Yes, name of lake, reservoir, or sinkhole _____

11. Does the facility discharge within forty (40) miles upstream of a lake or reservoir?

Yes No If Yes, name of lake, reservoir, or sinkhole Raccon Lake, Waveland Lake, Lake Holiday

12. What is the distance from this facility to the nearest publicly-owned treatment works? 4 Miles

What is the name of this facility? Crawfordsville WWTP

13. Receiving Stream:

Name of receiving stream: (If the immediate receiving stream is an unnamed ditch, swale, or field tile, so specify, but also give the name of the stream to which it is tributary.) McClamrockditch, Blackcreek

14. Waste Contributors:

Both Municipal and Non-Municipal:

List any industrial process water contributors: N/A

Percentage of flow due to industry: 0 %

Does the discharge contain or have the potential to contain the following? (Check all that apply.)

Al Cd Cr Cu Pb Hg Zn CN Ni Phenols

Others: N/A

15. Municipal:

Population Served: N/A Population Equivalent: _____

NPDES PERMIT NUMBER: IN00³¹¹⁵¹_____

16. Semi-Public: (Enter the number of customers currently served by the facility.)

Number of students: K thru 6 298 Higher grades: 983
Number of mobile home units: 0 Number of campground lots, or motel units: 0
Beds: (If facility serves as a nursing home, hospital, etc.) 0
Commercial Establishments: 0

17. Treatment Description:

Type of Treatment:

Primary Secondary Advanced

18. Is your facility designed to operate as a controlled discharger? Yes No

19. Treatment Processes: (Check all that apply.)

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> Regular Activated Sludge | <input type="checkbox"/> Rotating Biological Contactors | <input type="checkbox"/> Anaerobic Digestion |
| <input type="checkbox"/> Two Day Lagoon | <input checked="" type="checkbox"/> Extended Aeration | <input checked="" type="checkbox"/> Aerobic Digestion |
| <input checked="" type="checkbox"/> Phosphorus Removal | <input type="checkbox"/> Oxidation Ditch | <input checked="" type="checkbox"/> Nitrification |
| <input type="checkbox"/> Rapid Sand Filter | <input type="checkbox"/> Sequential Batch Reactor | <input type="checkbox"/> Aerated Lagoons |
| <input type="checkbox"/> Microstrainer | <input type="checkbox"/> Post Aeration | <input type="checkbox"/> Trickling Filter |
| <input type="checkbox"/> Waste Stabilization Lagoon | <input type="checkbox"/> Flow Equalization | <input checked="" type="checkbox"/> Flow Meter |
| <input type="checkbox"/> Septic Tank | <input type="checkbox"/> Constructed Wetland | |
- If other processes are used, please check and explain as part of the facility description in item 24.

20. Disinfection:

- Chlorination Type/Method: _____
- Dechlorination Type/Method: _____
- Ultra-violet Light If ultra-violet light is used, is a UV light intensity meter installed? Yes No
- Other Method: (Please explain.) _____

21. Sludge Handling/Disposal:

Handling: (Check all that apply.)

- Sludge Thickener Sludge Drying Beds Belt Dryer Sludge Lagoons Composting
- Other types of Dewatering: (Please explain.) Aerobic Sludge digester with decant capabilities

22. Disposal: (Check all that apply.)

- Land Application Liquid Permit Number _____ Land Application Dried Permit Number _____
- Landfill Incineration Stockpile Hauling (hauler name) Karle Enviromental
- Other: _____

23. Facility Construction/Modification:

Is the facility proposing any new construction or facility modification at this time?

Yes No

If Yes, describe in detail the nature of the construction including proposed time tables, IDEM Construction Permit Approval Number, and date of construction approval:

24. Facility Description:

Provide a narrative description of the wastewater treatment facility detailing equipment and plant layout. Providing a separate, detailed flow diagram or design summary is also recommended.

North Montgomery School Corp. operates a .025 MGD concrete, extended aeration WWTP. Plant was constructed in 2014, consists of 5 tanks oriented in a circular fashion: An EQ basin with bar screen with distribution box/flowmeter, 2 M.L. tanks, centrally located settling tank/clarifier with circular weir trough and skimmer, digester tank with decant capabilities. Three blowers provide air to bubble diffusers in EQ, ML, digester, and post aeration tanks. U.V. with intensity meter is used for disinfection.

Signature Block:

This application **must** be signed by a person in responsible charge (such as the owner, partner, a corporate officer, school board president, school superintendent, etc.) to be valid. This signature, attests to the following:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the information to be true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Colleen Moran
(Printed Name of Person Signing)

Superintendent
(Title)

01/18/2024
(Date of Application) (month/day/year)

[Signature]
(Signature of Applicant)

Return Completed Application, Fee and Associated Materials to:

Indiana Department of Environmental Management
Office of Water Quality – Mail Code 65-42
Municipal NPDES Permits Section
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

OWQ Form: Affected

TO: Applicant

FROM: Indiana Department of Environmental Management
Office of Water Quality
Municipal NPDES Permits Section

SUBJECT: Identification of Potentially Affected Persons

The Administrative Orders and Procedures Act (AOPA) IC 4-21.5, requires that the Department of Environmental Management (IDEM) give notice of its decision on your application to the following persons:

- (a) each person to whom the decision is specifically directed;
- (b) each person to whom a law requires notice be given;
- (c) each competitor who has applied to the IDEM for a mutually exclusive license, if issuance is the subject of the decision and the competitor's application has not been denied in an order for which all rights to judicial review have been waived or exhausted;
- (d) each person who has provided the IDEM with a written request for notification of the decision;
- (e) each person who has a substantial and direct proprietary interest in the issuance the (permit) (variance);
- (f) each person whose absence as a party in the proceeding concerning the (permit) (variance) decision would deny another party complete relief in the proceeding or who claims an interest related to the issuance of the (permit) (variance) and is so situated that the disposition of the matter, in the person's absence may:

- (1) as a practical matter impair or impede the person's ability to protect that interest, or
- (2) leave any other person who is a party to a proceeding concerning the permit subject to a substantial risk of incurring multiple or otherwise inconsistent obligations by reason of the person's claim interest.

IC 4-21.5-3-5(f) provides that IDEM may request your assistance in identifying these people.

Additionally, IC 13-15-3-1 requires IDEM to send notice that the permit application has been received by the department to the following:

- (a) The county executive of a county affected by the permit application.
- (b) The executive of a city that is affected by the permit application.
- (c) The executive of a town council of a town affected by the permit application.

Please provide on the following form the names of those persons affected by these statutes, and include mailing labels with your application. These mailing labels should have the names and addresses of the affected parties along with our mailing code (65-42PS) listed above each affected party listing.

Example: 65-42PS
John Doe
111 Circle Drive
City, State, ZIP Code

IDENTIFICATION OF POTENTIALLY AFFECTED PERSONS

Please list here any and all persons whom you have reason to believe have a substantial or proprietary interest in this matter, or could otherwise be considered to be potentially affected under the law. Failure to notify any person who is later determined to be potentially affected could result in voiding our decision on procedural grounds. To ensure conformance with Administrative Orders and Procedures Act (AOPA) and to avoid reversal of a decision, please list all such parties. The letter attached to this form will further explain the requirements under the AOPA. Attach additional names and addresses on a separate sheet of paper, as needed. Please indicate below the type of action you are requesting.

Name Corey Coontz
 Street 365 W 580 N
 City, State, and ZIP Crawfordsville IN 47933

Name Clark Truck Equipment
 Street 105 W 580 N
 City, State, and ZIP Crawfordsville IN 47933

Name _____
 Street 393 W 580 N
 City, State, and ZIP Crawfordsville IN 47933

Name _____
 Street _____
 City, State, and ZIP _____

Name _____
 Street 193 W 580 N
 City, State, and ZIP Crawfordsville IN 47933


Name _____
 Street _____
 City, State, and ZIP _____

Name Perry Equipment INC.
 Street 115 W 580 N
 City, State, and ZIP Crawfordsville IN 47933

Name _____
 Street _____
 City, State, and ZIP _____

Please complete this form by signing the following statement:

I certify that to the best of my knowledge I have listed all potentially affected parties, as defined by IC 4-21.5.

Signature  Date (month/day/year) 1 / 18 / 2024

Printed Name Omar Bahloul

Name of Facility North Montgomery High School WWTP

Address 480 W 580 N
Crawfordsville IN 47933

Type of Action: (check one)

- NPDES Permit-327 IAC 5
- Land Application Permit-327 IAC 6.1
- Confined Feeding Approval-IC 13-18-10
- Sewer Ban Waiver Request-327 IAC 4
- Operator Certification-327 IAC 5-22
- Pretreatment Permit -327 IAC 5
- Construction Permit-327 IAC 3

Return To: (include NPDES permit number on check)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT Office
 of Water Quality – Mail Code 65-42
 Municipal NPDES Permits Section
 100 North Senate Avenue
 Indianapolis, Indiana 46204-2251

FEE INFORMATION FOR NPDES PERMIT APPLICATIONS

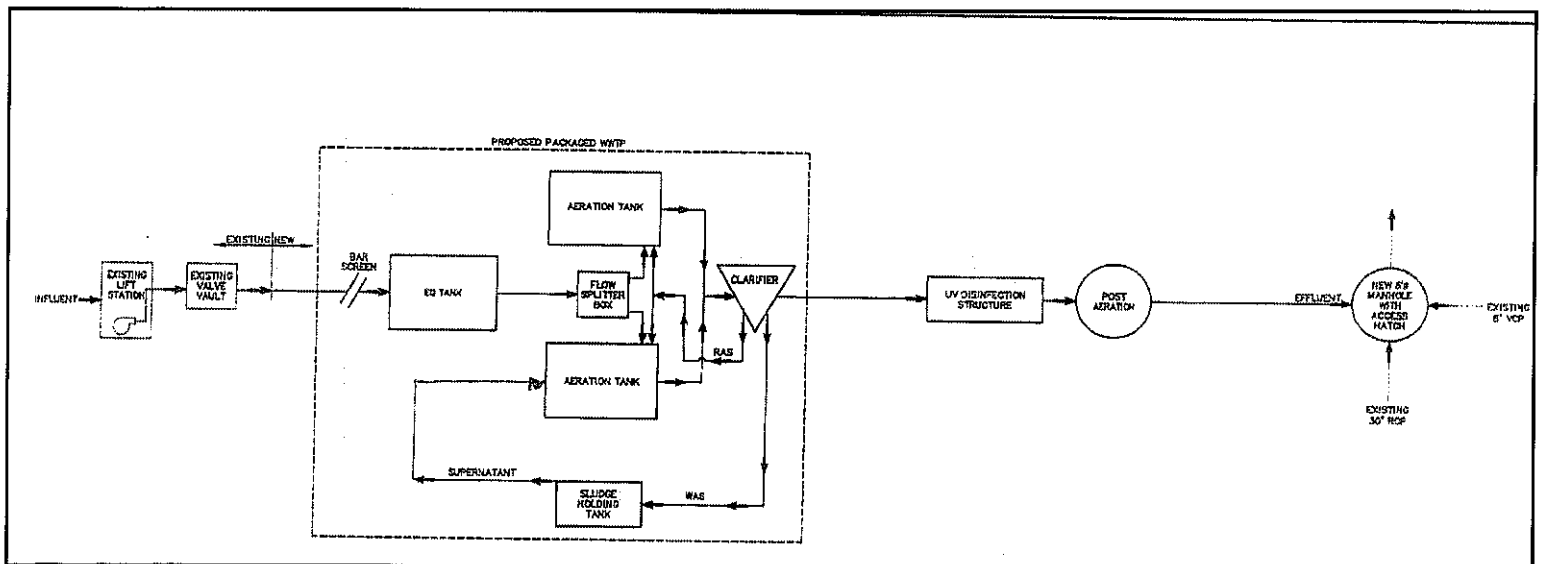
The following revised fees were established, pursuant to 327 IAC 5-3-17 to defray the costs of processing the permit applications for the NPDES permit program from all NPDES permit applicants:

- (1) When an application is filed with the Indiana Department of Environmental Management (IDEM), concerning a New or Renewal NPDES Permit action a one hundred dollar (\$100) application fee must be remitted. A fifty dollar (\$50) application fee is required for a modification of a permit, or a variance of a permit or permit limitation. If the application fee is not remitted the IDEM shall deny the permit application.
- (2) The permittee will remit the fee at the time the application, or a request for modification is filed with the IDEM. No fee will be assessed for permit modifications initiated by the IDEM.
- (3) **The fees specified above will be payable to the Indiana Department of Environmental Management.** Any fee submitted will not be refundable once substantive processing of the permit application has commenced.

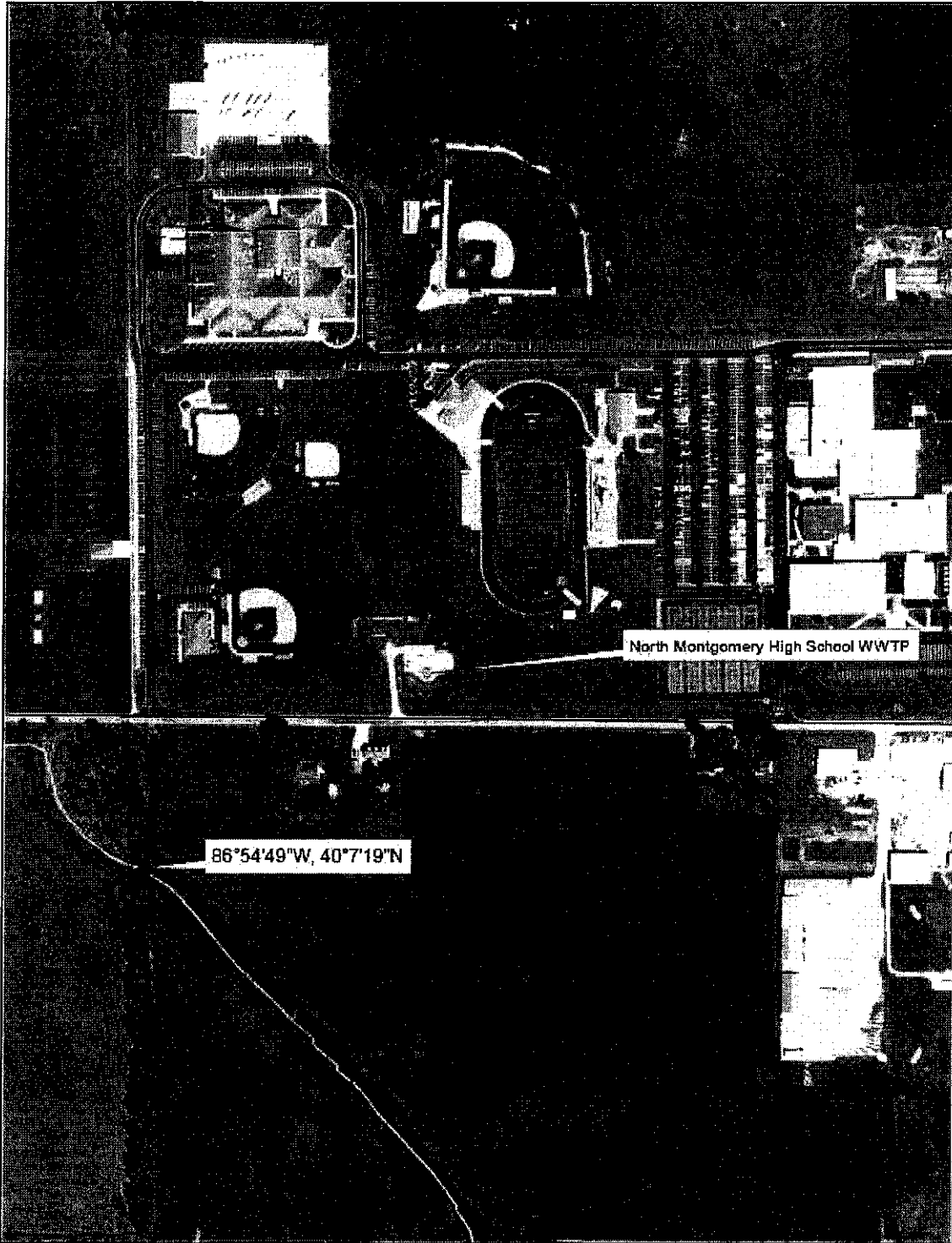
Additionally the issuance of (or existence of) a NPDES Permit will require the permittee to pay an annual fee for which billing will be made by the IDEM, all in accordance with IC 13-18-20. If there are any questions pertaining to the annual fee schedule contained in the regulation, they should be directed to the Operations Section of the Office of Water Quality at 317/232-8472.

Please send the completed forms and appropriate fee together with a cover letter to the **Indiana Department of Environmental Management, Office of Water Quality – Mail Code 65-42, Municipal NPDES Permits Section, 100 North Senate Avenue, Indianapolis, Indiana 46204-2251.**

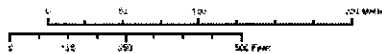
Flow Schematic Diagram for the North Montgomery High School WWTP



North Montgomery High School WWTP Outfall 001 Location



This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.
 Mapped by: Gabrielle Ghrechi, Office of Water Quality
 Date: May 18, 2019



Sources:
 Aerial Imagery: www.fishbase.org
 Data: Indiana Department of Natural Resources, Office of Water Quality
 Metadata: www.in.gov/dnr
 Map: www.in.gov/dnr
 Map: www.in.gov/dnr
 Map: www.in.gov/dnr

Legend

IN 01 2017, FINAL 05172017

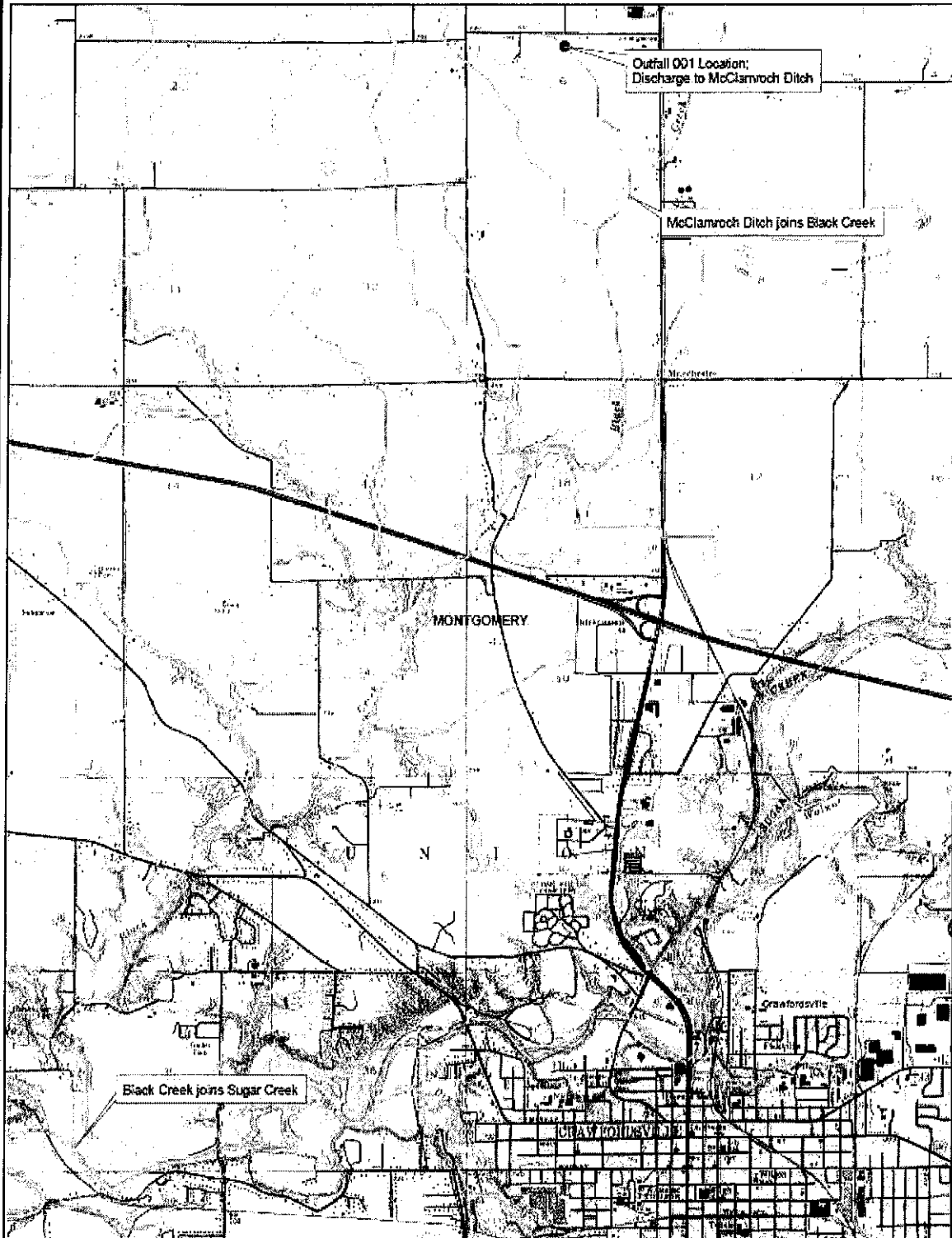
imagery/NAIP

ROB

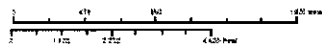
- Red Band 1
- Green Band 2
- Blue Band 3



North Montgomery High School WWTP Outfall 001 Location



This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.
 Mapped by: Gabrielle Ghiesbri, Office of Water Quality
 Date: May 18, 2019



Legend

imagery/Quad_24K
 RGB

- Red Red
- Green Green
- Blue Blue

www.ri.idem.gov 2017 FINAL 2017/5/12



Source:
 Geo: www.ri.idem.gov
 Data: Obtained from the State of Indiana Geographic Information System
 Color: www.ri.idem.gov
 Map: www.ri.idem.gov
 Map: www.ri.idem.gov



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
INDIANAPOLIS

Date: July 08, 1997

To: Gale Ferris
Permits section

Thru: Agustín Jumawan

From: A. K. De *AKD*
Modeling and Engineering Services Section

Subject: Wasteload Allocation Analysis (WLA) for North Montgomery High School wastewater treatment plant (WWTP) near Linden in Montgomery county.
(NPDES permit No IN0031151)
WLA No. 000192

This memo is in response to a recent request from the Permits Section for a WLA analysis for North Montgomery High School's WWTP located near Linden in Montgomery county. Its NPDES permit expired on June 17, 1992.

The above facility operates a 25,000-gpd Class I extended aeration sewage treatment plant with effluent chlorination and a terminal lagoon facilities. The discharge from this plant is sanitary.

The receiving stream of this facility is an unnamed ditch to Black Creek. Both this ditch and the creek have been classified as 'warmwater' and 'general use' waterbodies and are protected under WQ Rule 327 IAC 2-1.

Determination of 7Q10:

The drainage area at the discharge point on this unnamed ditch is measured to be 0.5 sq miles. Based on the updated information of USGS partial gaging station no. 03 339460 on Walnut Fork Sugar Creek near Crawfordsville, $Q_{7,10}$ of this unnamed ditch at the discharge point is 0.0 cfs.

Discussion of the model:

A review of the nearby dischargers was made. At present no significant nearby dischargers were found to impact this analysis. The design flow of this facility is 0.025 mgd. Up to the discharge flow of 0.05 mgd the facility falls under Small Sanitary Discharger

Rule 327 IAC 5-10-5. The effluent limits have been set accordingly using a dilution ratio (DR) of 0.0:1 ($Q_{7,10}$ of the receiving stream is 0.0 cfs).

Conclusion:

The recommended cBOD5 limits based on the Small Discharger Rule are 15/25 mg/l for summer/winter. These limits are based on WQS whereas the expired permit limits were based on treatability. Also, the expired permit had no limits of ammonia-nitrogen, the recommended limits of ammonia-nitrogen (expressed in monthly average) are 1.26/1.33 mg/l (based on 1996 criteria) and 1.25/1.88 mg/l (based on 1992 criteria). By limiting ammonia-nitrogen and relaxing cBOD5 the same WQS are maintained. So the Antidegradation rule under 327 IAC 5-2-10(11) may not apply here.

In setting these effluent limits the MROs of the plant for the recent thirty months (01/94 thru 06/96) were reviewed. It was found that the effluent data of this plant during this period were much below the permit limits (tBOD5: average of monthly average was 5.03 and average of daily max was 5.61 mg/l). The plant has extended aeration facility, which is considered capable of nitrification and thus it is reasonably believed that the plant would be able to meet the effluent limits of ammonia-nitrogen and cBOD5.

In accordance to the Indiana rules the effluent limits are to be based on the current WQS. If the water quality standards are modified by the Water Pollution Control Board before the permit is issued the IDEM is required by law to issue the NPDES permit based on the new standards. The ammonia-nitrogen limits in the effluent have been set using the 1992 and 1996 USEPA Revised criteria of chronic toxicity of ammonia. The recommended effluent limits using the Small Sanitary Discharger Rule are:

Parameter	Exp Permit lts summer/winter (mg/l)	Recommnd. limits summer/winter (mg/l)
tBOD5 (mo av)	10/10	15/25
TSS (mo av)	10/10	18/30
DO(min daily)	-----	6/5
NH3-N (1992) (monthly ave)	-----	1.26/1.89
NH3-N (1996) (mo ave) (daily max)	----- -----	1.26/1.33 2.93/3.1

IDEM Office of Water Management
Permitting Branch

NON-GLI AMMONIA-N LIMIT CALCULATIONS ---> SUMMER PERMIT PERIOD

WARMWATER Ammonia-N Effluent Limits

Facility = North Montgomery H.S Analyst's Initials = AKD	
County = Montgomery	
Receiving Stream = unnamed ditch	Date = 07-08-1997
Main Stream = Black Creek	
Upstream Ammonia-N = 0.00 mg/l	
Total Upstream Q7,10 Flow =	0.000 cfs
Total Upstream Q1,10 Flow =	0.000 cfs [no diffuser]
Upstream Q1,10 Available =	0.000 cfs
STP Design Flow =	0.025 mgd (0.039 cfs)

OPTION 1 -- 1992 Criteria, 50% Mixing Zone, CCC = Monthly (Reference: EPA Water Quality Criteria Section memo, July 30, 1992)	Mixing Zone pH (CCC) = 7.80 Mixing Zone Temperature (CCC) = 25.00 °C
1992 Warmwater CCC Mixing Zone Standard = 0.0530 mg/l unionized ammonia or 0.0436 mg/l unionized ammonia-N = 1.5338 mg/l total ammonia or 1.2615 mg/l total ammonia-N	
Summer STP Ammonia-N Limit (Warmwater Monthly) = 1.26 mg/l (1992)	

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OPTION 2 -- 1996 Criteria, 50% Mixing Zone, CCC = 4-Day (Reference: EPA-823-N-96-001, January 1996)	Mixing Zone pH (CCC) = 7.80 Mixing Zone Temperature (CCC) = 25.00 °C
1996 Warmwater CCC Mixing Zone Standard = 0.0748 mg/l unionized ammonia or 0.0616 mg/l unionized ammonia-N = 2.1666 mg/l total ammonia or 1.7819 mg/l total ammonia-N	
WLA Ammonia-N Value Used to Compute LTA-CCC = 1.78 mg/l LTAc = 0.94 mg/l	
Coefficient of Variation = 0.600 Samples per Month = 10	Daily Max Summer STP Ammonia-N Limit (Warmwater) = 2.93 mg/l Average Monthly Summer STP Ammonia-N Limit (Warmwater) = 1.26 mg/l (1996)

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OPTION 3 -- 1996 Criteria, 25% Mixing Zone, CCC = 4-Day, CMC = 1-Day (Reference: EPA-823-N-96-001, January 1996)	Mixing Zone pH (CCC) = 7.80 Mixing Zone Temperature (CCC) = 25.00 °C
1996 Warmwater CCC Mixing Zone Standard = 0.0748 mg/l unionized ammonia or 0.0616 mg/l unionized ammonia-N = 2.1666 mg/l total ammonia or 1.7819 mg/l total ammonia-N	
1996 Warmwater CMC Mixing Zone Standard = 0.3284 mg/l unionized ammonia or 0.2701 mg/l unionized ammonia-N = 9.5058 mg/l total ammonia or 7.8180 mg/l total ammonia-N	
WLA Ammonia-N Value Used to Compute LTA-CCC = 1.78 mg/l LTAc = 0.94 mg/l WLA Ammonia-N Value Used to Compute LTA-CMC = 7.82 mg/l LTAac = 2.51 mg/l Minimum LTA = 0.94 mg/l	
Coefficient of Variation = 0.600 Samples per Month = 10	Daily Max Summer STP Ammonia-N Limit (Warmwater) = 2.93 mg/l Average Monthly Summer STP Ammonia-N Limit (Warmwater) = 1.26 mg/l (1996)

III
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Small Sanitary Discharger

IOEM Office of Water Management
Permitting Branch

NON-GLI AMMONIA-N LIMIT CALCULATIONS ---> WINTER PERMIT PERIOD

WARMWATER Ammonia-N Effluent Limits

Facility = North Montgomery H.S County = Montgomery Receiving Stream = unnamed ditch Main Stream = Black Creek	Analyst's Initials = AK0 Date = 07-08-1997
Upstream Ammonia-N = 0.00 mg/l	
Total Upstream Q7,10 Flow = 0.000 cfs Total Upstream Q1,10 Flow = 0.000 cfs [no diffuser] Upstream Q1,10 Available = 0.000 cfs STP Design Flow = 0.025 mgd (0.039 cfs)	

OPTION 1 -- 1992 Criteria, 50% Mixing Zone, CCC = Monthly (Reference: EPA Water Quality Criteria Section memo, July 30, 1992)	Mixing Zone pH (CCC) = 7.80 Mixing Zone Temperature (CCC) = 10.00 °C
1992 Warmwater CCC Mixing Zone Standard = 0.0266 mg/l unionized ammonia or 0.0218 mg/l unionized ammonia-N = 2.2941 mg/l total ammonia or 1.8868 mg/l total ammonia-N	
Winter STP Ammonia-N Limit (Warmwater Monthly) = 1.89 mg/l (1992)	

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OPTION 2 -- 1996 Criteria, 50% Mixing Zone, CCC = 4-0ay (Reference: EPA-823-N-96-001, January 1996)	Mixing Zone pH (CCC) = 7.80 Mixing Zone Temperature (CCC) = 10.00 °C
1996 Warmwater CCC Mixing Zone Standard = 0.0266 mg/l unionized ammonia or 0.0218 mg/l unionized ammonia-N = 2.2941 mg/l total ammonia or 1.8868 mg/l total ammonia-N	
WLA Ammonia-N Value Used to Compute LTA-CCC = 1.89 mg/l LTAc = 1.00 mg/l	
Coefficient of Variation = 0.600 Samples per Month = 10	Daily Max Winter STP Ammonia-N Limit (Warmwater) = 3.10 mg/l Average Monthly Winter STP Ammonia-N Limit (Warmwater) = 1.33 mg/l (1996)

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OPTION 3 -- 1996 Criteria, 25% Mixing Zone, CCC = 4-0ay, CMC = 1-0ay (Reference: EPA-823-N-96-001, January 1996)	Mixing Zone pH (CCC) = 7.80 Mixing Zone Temperature (CCC) = 10.00 °C
1996 Warmwater CCC Mixing Zone Standard = 0.0266 mg/l unionized ammonia or 0.0218 mg/l unionized ammonia-N = 2.2941 mg/l total ammonia or 1.8868 mg/l total ammonia-N	
1996 Warmwater CMC Mixing Zone Standard = 0.1165 mg/l unionized ammonia or 0.0958 mg/l unionized ammonia-N = 10.0654 mg/l total ammonia or 8.2783 mg/l total ammonia-N	
WLA Ammonia-N Value Used to Compute LTA-CCC = 1.89 mg/l LTAc = 1.00 mg/l WLA Ammonia-N Value Used to Compute LTA-CMC = 8.28 mg/l LTAac = 2.66 mg/l Minimum LTA = 1.00 mg/l	
Coefficient of Variation = 0.600 Samples per Month = 10	Daily Max Winter STP Ammonia-N Limit (Warmwater) = 3.10 mg/l Average Monthly Winter STP Ammonia-N Limit (Warmwater) = 1.33 mg/l (1996)

III
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Small Sanitary Discharger