



Rule 13 - MS4 ANNUAL REPORT

State Form 51278 (R6 / 7-12)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

- NOTE:**
- Annual reports must be submitted to the Indiana Department of Environmental Management. **Failure to submit the annual report is considered noncompliance with your permit.**
 - For the **first five** (5)-year permit term, this completed form must be submitted by 1 year from the SWQMP – Part C submittal date and, thereafter, 1 year from the previous report (i.e., in years two (2) through five (5) of permit coverage).
 - In the **second and subsequent** five (5)-year permit terms, this completed form must be submitted in years two (2) and four (4) of permit coverage.
 - Please type or print in ink.**
 - Please answer all questions thoroughly and return the form by the due date.
 - Return this form and any required attachments to the IDEM Storm Water Program, MS4 Coordinator at the address listed in the box on the upper-right.

For questions regarding this form, contact:

IDEM Office of Water Quality , Storm Water Program
MS4 Coordinator
100 North Senate Avenue, Room 1255
MC 65-42
Indianapolis, IN 46204-2251

Telephone: (317) 234-1601 or

(800) 451-6027, ext. 41601 (within Indiana)

Web Access: <http://www.IN.gov/idem/4900>

Five Year Permit Term	Reporting Year
<input type="checkbox"/> 1st Permit Term	Permit Year <u>2018</u>
<input checked="" type="checkbox"/> Second and subsequent five (5) Year Permit Terms	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 5
	MS4s in their first permit term must submit reports annually. MS4s that are in subsequent permit terms must submit in years 2 and 4 of the permit term.

PART A: GENERAL INFORMATION – MS4 OPERATOR

1. Permit Number:	INR 0 4 0 037	Type of MS4:	<input checked="" type="checkbox"/> City <input type="checkbox"/> Town <input type="checkbox"/> County <input type="checkbox"/> Non-traditional
2. MS4 Entity:	City of Wabash (Name of permit holder)		
3. MS4 Operator:	Bob Gray		
4. Mailing Address:	Wastewater Treatment Facility 700 S. Carroll Street Wabash, IN ZIP: 46992 County: Wabash		
5. Email Address:	wwtpwabash@cinergymetro.net		

PART B: GENERAL INFORMATION – MS4 COORDINATOR

6. MS4 Coordinator (please print):	Bob Gray
7. Person's Title:	MS4 Operator / Wastewater Superintendent
8. Mailing Address:	Wastewater Treatment Facility 700 S. Carroll Street Wabash, IN ZIP: 46992
9. Telephone Number:	260-563-2941
10. E-mail Address:	wwtpwabash@cinergymetro.net

PART C: GENERAL INFORMATION – REPORT PREPARER

11. Name: Keith Bryant, P.E. (Provide this information if someone other than MS4 Operator or Coordinator completed this report.)	
12. Affiliation with the MS4:	Consultant
13. Mailing Address:	United Consulting 8440 Allison Pointe Blvd., Suite 200 Indianapolis, IN ZIP: 46250
14. Telephone Number:	317-895-2585 Extension: 1906
15. E-mail Address:	keith.bryant@ucindy.com

PART D: PROGRAM MANAGEMENT
327 IAC 15-13-18

16. Provide a summary of the following program management activities performed during the reporting period:

- a) If this is a co-permit, list all permittees and operators responsible for permit implementation for each entity.
The City of Wabash is the sole permit holder and responsible entity for permit implementation.
- b) Identify changes to the MS4 area boundaries, including areas added to or lost to the MS4 area via annexation or other similar means. Provide a current map (8.5" X 11" or 8.5" X 14")
MS4 area boundaries have not changed from that previously delineated.
- c) Identify follow-up or additional water quality characterizations completed during the reporting period if applicable.
Does not apply.
- d) Provide updated receiving water information completed during the reporting period if applicable.
Does not apply.
- e) Identify funding sources (utility fees, grants, enforcement fines etc) utilized for MS4 program implementation during this reporting period.
The City of Wabash utilizes existing storm water and sanitary sewer rates to fund and implement the MS4 program and improvement projects.
- f) Provide a list of new active industrial sites identified during this reporting period.
No new active industrial sites during this reporting period.
- g) Provide a list of facilities owned and operated by the MS4 that require Rule 6 (industrial storm water) permits.
Does not apply.
- h) Provide a summary of complaints received and follow-up investigation results related to storm water quality issues during this reporting period.
The City of Wabash records and files storm water complaints and subsequent resolution. The City of Wabash conducts regularly scheduled storm and sanitary sewer inspections and cleanings to allow sewer flow capacities as designed and minimize the potential for restrictions to occur.

Add incidents for this period...
- i) Other:
No further comments.

PART E: PUBLIC EDUCATION AND OUTREACH - MINIMUM CONTROL MEASURE

17. Identify the best management practices (BMPs) for public education and outreach included in your Storm Water Quality Management Plan (SWQMP) Part C and then respond to the following:

- a) Identify progress made towards development and implementation of each BMP for this minimum control measure (MCM) including timetables and measurable goals during this reporting period.
See attachment.
- b) Describe implementation problems encountered and changes made due to ineffectiveness or infeasibility during this reporting period.
See attachment.
- c) Describe program BMPs that went beyond those identified in the SWQMP.
See attachment.
- d) Identify storm water BMPs installed or initiated for this MCM during this reporting period.
See attachment.
- e) Describe program implementation partnerships and explain successes and barriers during this reporting period.
See attachment.
- f) Other:
See attachment.

PART F: PUBLIC PARTICIPATION AND INVOLVEMENT - MINIMUM CONTROL MEASURE

18. Identify the best management practices for public participation and involvement included in your SWQMP Part C and then respond to the following:

- a) Identify progress made towards development and implementation of each BMP for this MCM including timetables and measurable goals during this reporting period.
See attachment.
- b) Describe implementation problems encountered and changes made due to ineffectiveness or infeasibility during this reporting period.
See attachment.
- c) Describe program BMPs that went beyond those identified in the SWQMP.
See attachment.
- d) Identify storm water BMPs installed or initiated for this MCM during this reporting period.
See attachment.
- e) Describe program implementation partnerships and explain successes and barriers during this reporting period.
See attachment.
- f) Other:
See attachment.

PART G: ILLICIT DISCHARGE DETECTION AND ELIMINATION - MINIMUM CONTROL MEASURE

19. Identify the best management practices for illicit discharge detection and elimination (IDDE) included in your SWQMP Part C and then respond to the following:

- a) Identify progress made towards development and implementation of each BMP for this MCM including timetables and measurable goals during this reporting period (mapping, screening, etc.).
See attachment.
- b) Describe implementation problems or challenges encountered, particularly as it relates to mapping and screening of outfalls during this reporting period.
See attachment.
- c) Identify changes made to the IDDE Plan during this reporting period if applicable.
See attachment.
- d) Identify updates or revisions to IDDE ordinance or other regulatory mechanism made during this reporting period.
See attachment.
- e) Describe level of mapping and screening completed to date. If there are unmapped or unscreened outfalls, provide a plan and a timetable for completion.
See attachment.
- f) Other:
See attachment.

PART H: CONSTRUCTION SITE STORM WATER RUN-OFF CONTROL - MINIMUM CONTROL MEASURE

20. List the best management practices for the construction site storm water run-off program identified in your SWQMP Part C and then respond to the following:

- a) Identify progress made towards development and implementation of each BMP for this MCM including timetables and measurable goals during this reporting period.
See attachment.
- b) Describe program implementation partnerships and explain successes and barriers during this reporting period.
See attachment.
- c) Identify the number of construction sites permitted during this reporting period and identify the number and type of enforcement actions taken against construction site operators during the same period.
See attachment.
- d) Identify the number and types of training opportunities that were provided to contractors, developers, and builders during this permit period.
See attachment.
- e) MS4 personnel responsible for plan review, inspection, and enforcement of construction activities shall receive, at a minimum, annual training addressing appropriate control measures, inspection protocol, and enforcement procedures. Identify training provided to MS4 personnel responsible for these activities during this reporting period.
See attachment.
- f) Identify updates or revisions to the storm water construction ordinance or other regulatory mechanism made during this reporting period.
See attachment.
- g) Other:
See attachment.

PART I: POST-CONSTRUCTION STORM WATER RUN-OFF CONTROL - MINIMUM CONTROL MEASURE

21. List the best management practices for post-construction storm water run-off control identified in your SWQMP Part C and then respond to the following:

- a) Identify progress made towards development and implementation of each BMP in the SWQMP including timetables and measurable goals during this reporting period.
See attachment.
- b) Describe implementation problems encountered and changes due to ineffectiveness or infeasibility during this reporting period.
See attachment.
- c) Describe program implementation partnerships and explain successes and barriers.
See attachment.
- d) MS4 area personnel responsible for implementation of the post-construction minimum control measure shall receive, at a minimum, annual training. Identify training provided for this minimum control measure during this reporting period.
See attachment.
- e) Identify updates or revisions to the post-construction storm water ordinance or other regulatory mechanism made during this reporting period.
See attachment.
- f) Other:
See attachment.

PART J: MUNICIPAL OPERATIONS POLLUTION PREVENTION AND GOOD HOUSEKEEPING - MINIMUM CONTROL MEASURE

22. List the best management practices for municipal operations pollution prevention and good housekeeping identified in your SWQMP Part C and respond to the following:

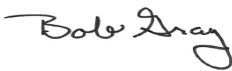
- a) Identify progress made towards development and implementation of each BMP in the SWQMP including timetables and measurable goals during this reporting period.
See attachment.
- b) Describe implementation problems encountered and changes due to ineffectiveness or infeasibility as it relates to pollution prevention and good housekeeping at MS4 owned and operated facilities during this reporting period.
See attachment.
- c) Identify storm water BMPs installed or initiated at MS4 owned and operated facilities.
See attachment.
- d) Identify and describe appropriate storm water training provided to MS4 employees. Employees are required to have a minimum training once per year.
See attachment.
- e) Other:
See attachment.

PART K: CERTIFICATION AND SIGNATURE

The individual listed in "PART A: GENERAL INFORMATION – MS4 OPERATOR" must sign the following certification statement:

"By signing this annual report, I hereby 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."

Type or Print Name: Bob Gray

Signature: 

04/04/2023

(mm/dd/yyyy)

PART E: PUBLIC EDUCATION AND OUTREACH – MINIMUM CONTROL MEASURE

17. Identify the best management practices (BMPs) for public education and outreach included in your Storm Water Quality Management Plan (SWQMP) Part C and then respond to the following:

- a. Identify progress made towards development and implementation of each BMP for this minimum control measure (MCM) including timetables and measurable goals during this reporting period.
- b. Describe implementation problems encountered and changes made due to ineffectiveness or infeasibility during this reporting period.
- c. Describe program BMPs that went beyond those identified in the SWQMP.
- d. Identify storm water BMPs installed or initiated for this MCM during this reporting period.
- e. Describe program implementation partnerships and explain successes and barriers during this reporting period.

BMP 1: Public Attitude / Educational Surveys have previously been utilized to gauge residential, employee, commercial/industrial, and construction businesses. Although believed useful, low and declining survey participation has been typical with each sector, except that of City of Wabash employees; therefore, this method of gauging public attitude is limited. As noted in the 2020 report, the surveys are not performed at this time. The City of Wabash has created a Facebook page for public comments and several of the comments received have been storm water related.

BMP 2: MS4 information is published in the local newspaper (The Wabash Plain Dealer) in connection with City of Wabash efforts to provide educational material to constituents. Locations of brochures concerning storm water pollution and anti-littering are available at the locations listed in newspaper advertisements. The City of Wabash Ordinance concerning The Control of Site Soil Erosion, Sediment, and Other Wastes and Storm Water Runoff (original City General Ordinance No. 8, 2005) is mentioned in articles, as well as a map indicating the storm water outlet / inlet locations within the City. City stormwater & erosion control ordinances are available to the public on the City's website. Finally, a contact telephone number is listed for the MS4 Operator, for convenience of constituents.

Published articles and radio announcements indicate that the State of Indiana has required the City of Wabash to develop and implement an informational program with educational materials for informing constituents about the impacts of polluted storm water run-off on water quality, and ways they can minimize their impact on storm water quality. Radio announcements and discussions have included the environmental necessity of keeping trash and debris out of the storm sewer system to mitigate waterway polluting; City Board of Works Meetings include this topic at times as well. The City of Wabash is meeting State and Federal requirements to assess citizen's knowledge of current storm water related issues, including pollution prevention. The City of Wabash has in the past contacted area schools and provided information for review and distribution to a group of students. The City of Wabash Anti-Littering Public Information Flyer is available at the Wastewater Treatment Plant, Chamber of Commerce, City Hall and the Visitors Center. Progression of this program has included the passing of an Ordinance Amending Chapter 9, to Provide for the Control of Construction Site Soil Erosion, Sediment, and Other Wastes and Storm Water Runoff. Said Ordinance is available at the City Hall (202 S. Wabash) for review and accessible on the City's website. Developments impacting areas greater than one acre are required to meet these local and State requirements. A map with City of Wabash storm water outlet /inlet locations is also available for review by contacting the MS4 Operator at (260) 563-2941. In June of 2022, the City also published the required public notice for the Notice of Intent to comply with the new MS4 General Permit to discharge stormwater runoff associated with its municipal separate storm sewer system.

It is believed that these newspaper publications present an important avenue to reach individuals who may not have the resources to readily obtain this valuable storm water information otherwise.

BMP 3: Storm Water Website: The information indicated in BMP 2 above is also provided on the City of Wabash website. Other storm water information available for review that may be found on said website includes the City of Wabash 2017 Rule 13 Annual Report. In addition, website links to other resources regarding the MS4 Program include: 1) Center for Watershed Protection; 2) IDEM Environmental Education Resources; 3) Indiana

DNR Project WET; 4) Indiana DNR Hoosier RiverWatch and Adopt-A-River; 5) IDEM Office of Pollution Prevention and Technical Assistance; 6) Wabash County Solid Waste Management District.

The "After the Storm" brochure (as prepared by EPA) is also provided on the City of Wabash website. The EPA brochure is "A Citizen's Guide to Understanding Storm Water"; it defines storm water and explains the effects and types of pollution while indicating solutions to prevent related problems. The brochures also indicate the City of Wabash MS4 Operator's contact information (address and telephone number).

BMP 4: Proper Disposal of Hazardous Household Waste (HHW)

The Wabash County Solid Waste Management District (SWMD) provides recycling and a Hazardous Household Waste (HHW) drop-off site for the residents in Wabash County. The SWMD provides three drop off sites within the County Limits; one of these are located within the City of Wabash MS4 Boundary. The SWMD's drop-off sites are unstaffed and as such, accurate participation data (number of patrons utilizing the sites) is not available. The site within the Wabash MS4 Boundary is located at 1101 Manchester Avenue.

The SWMD's main facility is located at 1101 Manchester Avenue, Wabash, Indiana. This facility accepts problem wastes including chemicals, tires, appliances, electronics, propane tanks, fluorescent lamps, expired pharmaceuticals and batteries. The SWMD utilizes a 550-gallon container, as well as smaller containers for separation, to accept used fluids such as motor oil, cooking oil, lubricants, transmission fluid, cutting oil, etc. Also, the facility will be constructing a recycling drop-off center during the spring and summer of 2018.

BMP 5: Trash Management

City of Wabash trash pickup occurs daily (Monday through Friday, excluding holidays). The City of Wabash Street sweeping schedule is based on their trash pickup route, which is divided into five sections for the typical five-day work week. Street sweeping is done one to two times per month. Additional street sweeping is provided on an as needed basis. The City of Wabash utilizes a Street Sweeping Daily Routes Schedule; the schedule indicates the areas and days of the week typically cleaned, weather permitting.

Anti-littering brochures are available at the City of Wabash Wastewater Treatment Plant, Chamber of Commerce, Bureau of Tourism, and the City Hall Utility Office. Brochures are replenished during periodic visits by the MS4 Operator, or when a low supply is reported by the staff individual at each location.

BMP 6: Classroom Education for School Age Children

The City of Wabash has continued to promote utilization of the Exploring with Environmental Ed (3rd to 5th Grade Edition) educational booklet as prepared by IDEM, in the Wabash City School District curriculum, as well as Water Quality Environmental Lesson Plan (Kindergarten to 8th Grade Edition as prepared by IDEM) for use by the educators; these are provided through the website, as hardcopies are not desired anymore. The City of Wabash has informed the School District that the State has developed other water pollution prevention materials and programs to promote awareness. The City of Wabash has suggested that school administrators visit the Indiana Department of Environmental Education Resources' website and promote children and parents to take advantage of other educational information on the website, which includes activities, lesson plans, coloring books and interactive quiz games.

It is reiterated with the School District that the City of Wabash is committed to public education and outreach concerning storm water pollution prevention and suggests that the School District contact the City of Wabash MS4 Operator with any questions, comments, or desire for additional information.

The School District has expressed that the booklets and information provided by the City of Wabash has served a useful purpose in storm water education of their students, teachers, and other school staff.

The City of Wabash has current discontinued hosting guided student tours at their Wastewater Treatment Facility following the school's change in priorities following the COVID-19 pandemic. In the past, groups of students from the elementary and high schools tour the Wastewater Treatment Facility two to three times per year. Also, a science class from the high school tours the Wastewater Treatment Facility once a year as part of the curriculum. Basic facility functions were simplified for review, with a stressed importance of clean water discharge to the Wabash River. The tour included safe passage through certain areas of the plant, including

the control building to highlight computerized equipment and process monitoring, semi-automated control operations, and laboratory procedures to comply with Indiana Department of Environmental Management National Pollutant Discharge Elimination System Permit and associated quality regulated safe water discharges. The City will recommence these tours if the school system expresses interest in the future.

BMP 7: Brochures for Visitors

Brochures and information concerning storm water pollution prevention continues to be made available for interested visitors at the Bureau of Tourism. Said brochures are regularly stocked and serve as an important source of public education and outreach.

BMP 8: Library of Educational Materials

The City of Wabash storm water educational materials are available for public and visitor review during normal business hours or as otherwise arranged. Brochures are available at the City Visitors Center, City Utility Office, and the City Building Commissioner's Office. The City Hall and the Wastewater Treatment Plant maintains more comprehensive information concerning the City of Wabash MS4 Program. Other various information from the IDEM, the US EPA and other various groups regarding storm water pollution and pollution prevention issues are available at these locations as well.

- f. Other: The City of Wabash has not currently established a MS4 partnership.

PART F: PUBLIC PARTICIPATION AND INVOLVEMENT – MINIMUM CONTROL MEASURE

18. Identify the best management practices for public participation and involvement included in your SWQMP Part C and then respond to the following:

- a. Identify progress made towards development and implementation of each BMP for this MCM including timetables and measurable goals during this reporting period.
- b. Describe implementation problems encountered and changes made due to ineffectiveness or infeasibility during this reporting period.
- c. Describe program BMPs that went beyond those identified in the SWQMP.
- d. Identify storm water BMPs installed or initiated for this MCM during this reporting period.
- e. Describe program implementation partnerships and explain successes and barriers during this reporting period.
- f. Other: No further comments.

BMP 1: Adopt-A-River Program

The City of Wabash continues to expand upon public awareness of programs that are currently available through different State agencies. The City of Wabash has not directly participated in an IDNR Adopt-A-River Program. The City of Wabash have conducted testing of stream samples for the "River Defenders".

BMP 2: Public Attitude / Educational Surveys

Surveys have previously indicated that less than 25% of individuals would be interested in participating in a community wide storm water pollution project such as stream / riverbank clean-up or sampling. It is difficult to gauge how many of these individuals or un-surveyed individuals have participated in organized river cleanups or self-promoted activities to reduce storm water pollution directly with trash removal from waterways or banks.

The City of Wabash actively promotes public attendance at their regularly scheduled Storm Water Utility Board Meetings, Board of Public Works and Safety Meetings, and City Council Meetings. Each of these meetings present an open forum for storm water questions and/or problem presentation for attendees.

BMP 3: Community Hotlines

Constituents may report illegal dumping and ask questions concerning storm water related issues by contacting the City of Wabash MS4 Operator. The MS4 Operator's contact information (telephone number) has been published in the newspaper, indicated on public educational brochures/flyers, and identified on the City of Wabash website.

BMP 4: Restoration Programs

The City of Wabash Park Department continues to work towards the goal of increasing the number of trees on city properties and replaces fallen trees when the need arises.

BMP 5: Stream Cleanup and Volunteer Monitoring

The City of Wabash has donated to the Wabash River Defenders, who are volunteers committed to preserving, protecting, and defending the Wabash River. Organized events with team (water and land) development and deployment tactics are conducted at least annually to remove and properly dispose of undesirables from the waterway, banks, and adjacent areas. The City of Wabash have conducted testing of stream samples for the "River Defenders".

Newspaper articles and website information have provided awareness of programs that are currently available through different State agencies. The City of Wabash cannot accurately track all privately organized storm water pollution prevention projects, such as stream/riverbank clean-up or sampling.

PART G: ILLICIT DISCHARGE DETECTION AND ELIMINATION - MINIMUM CONTROL MEASURE

19. Identify the best management practices for illicit discharge detection and elimination (IDDE) included in your SWQMP Part C and then respond to the following:

- a. Identify progress made towards development and implementation of each BMP for this MCM including timetables and measurable goals during this reporting period (mapping, screening, etc.).
- b. Describe implementation problems or challenges encountered, particularly as it relates to mapping and screening of outfalls during this reporting period.
- c. Identify changes made to the IDDE Plan during this reporting period if applicable.
- d. Identify updates or revisions to IDDE ordinance or other regulatory mechanism made during this reporting period.
- e. Describe level of mapping and screening completed to date. If there are unmapped or unscreened outfalls, provide a plan and a timetable for completion.
- f. Other: No further comments.

The City of Wabash approved their Illicit Discharge and Connection Storm Water Ordinance (Ordinance No. 17) on October 2, 2004. The Ordinance is reviewed periodically and has been revised (outfall monitoring revision) on one occasion.

The City of Wabash has also implemented an Illicit Discharge Detection and Elimination (IDDE) Plan. In association with the plan, the City of Wabash has identified by number hundreds of storm water outfalls. The City of Wabash has been proceeding with a new computerized mapping system. This process is ongoing as the City of Wabash's sewer system improvements continue. The City of Wabash will monitor outfalls under their IDDE Plan.

The City has inspected all of its known outfalls in the last year and obtained GPS coordinates for better mapping.

In addition, the City of Wabash participates in the Indiana 811 Program (Call Before You Dig) and utilizes the program to assist in tracking potential drainage issues within their boundaries. The City of Wabash thoroughly investigates any "locate" that involves sewer work of any type.

Stream sampling (E coli) and analysis has been conducted at various locations within the City of Wabash MS4 boundaries as well.

BMP 1: Failing Septic Systems

The City of Wabash is attentive to visual screening for failing septic systems in areas of concern, or if suspicion is reported and warrants investigation in other areas. No failing septic systems that have been discovered during this reporting period.

BMP 2: Identifying Illicit Connections

No illicit connections were identified through visual inspections nor did any constituents report such during this reporting permit. The City is in the process of visual re-screening of the outfalls found to be discharging during dry weather in 2022. Additional testing will be considered if the visual re-screening is determined to be needed.

BMP 3: Illegal Dumping

The City of Wabash Anti-Littering Public Information Flyer explains that open dumping is the improper and illegal disposal of regulated solid waste at an unpermitted site. Some of the prohibited wastes are listed on the Flyer; however, it is noted that a full list of prohibited items can be obtained at the IDEM Office of Land Quality. The Flyer informs that violations and Local & Federal penalties may apply to illegal solid waste disposal.

Citizens are encouraged by the Flyer to take part in recycling and any events that are hosted by the City of Wabash, Wabash County, or surrounding communities for special waste disposal. It is noted that to report illegal dumping or obtain more information, citizens may contact Indiana's Illegal Solid Waste Disposal Laws Office, the City of Wabash MS4 Operator, IDEM's Office of Land Quality, or the Office of Pollution Prevention and Technical Assistance; contact information for these entities is provided in the City of Wabash Anti-Littering Public Information Flyer, which is available at the City of Wabash Wastewater Treatment Plant, Chamber of Commerce, Bureau of Tourism, and the City Hall Utility Office.

BMP 4: Industrial / Business Connections

Visual inspections have not detected any inappropriate industrial or commercial wastewater connections to the City of Wabash storm drain system during this reporting period. Screening during discharges have continued during this reporting period.

BMP 5: Sanitary Sewer Overflows

The City of Wabash has one crew that cleans sanitary, storm, and combination sewer lines daily (weather permitting) in an effort to reduce potential plugging and unnecessary pollution. This maintenance reduces the potential for sanitary sewer overflows and stormwater pollution. The City of Wabash owns two Vactor trucks that are utilized to clean sanitary, storm, and combination sewers. One Vactor truck is primarily utilized for routinely scheduled maintenance and readily available to respond should an emergency need transpire. The other Vactor truck is properly maintained to the highest level and supplementary utilized when needed to assist with sewer system maintenance, or other conditions, including scheduled maintenance periods. The city has acquired a new sewer televising camera to evaluate illicit discharges, etc.

BMP 6: Wastewater Connections to the Storm Drain System

Illegal cross connections between the waste source and the storm sewer have continued to be investigated as part of the dry weather screening process. No illicit connections were identified during this reporting period. The City of Wabash Illicit Discharge and Connection Discharge Storm Water Ordinance addresses this matter to provide for the health, safety, and general welfare of the citizens through the regulation of non-storm water discharges to the storm drainage system.

PART H: CONSTRUCTION SITE STORM WATER RUN-OFF CONTROL - MINIMUM CONTROL MEASURE

20. List the best management practices for the construction site storm water run-off program identified in your SWQMP Part C and then respond to the following:

- a. Identify progress made towards development and implementation of each BMP for this MCM including timetables and measurable goals during this reporting period.
- b. Describe program implementation partnerships and explain successes and barriers during this reporting period.
- c. Identify the number of construction sites permitted during this reporting period and identify the number and type of enforcement actions taken against construction site operators during the same period.

A total of 11 construction sites were permitted during this period. No enforcement actions taken.

- d. Identify the number and types of training opportunities that were provided to contractors, developers, and builders during this permit period.
- e. MS4 personnel responsible for plan review, inspection, and enforcement of construction activities shall receive, at a minimum, annual training addressing appropriate control measures, inspection protocol, and enforcement procedures. Identify training provided to MS4 personnel responsible for these activities during this reporting period.
- f. Identify updates or revisions to the storm water construction ordinance or other regulatory mechanism made during this reporting period.
- g. Other: No further comments.

A Construction Site Storm Water Control Audit was not conducted during this reporting period.

BMP 1: Develop and Adopt an Erosion and Sediment Control Ordinance

The City of Wabash has an Ordinance to Provide for the Control of Construction Site Soil Erosion, Sediment, and Other Wastes and Storm Water Runoff. (General Ordinance No. 8, 2005). The public has been informed through the newspaper that the Ordinance is available at the City Building for review and it is available on the City's website. The Ordinance gives the authority to the City of Wabash to require erosion and sediment control plans for new developments, to inspect new development sites, and to require compliance with the local Ordinance and 327 IAC 15-5. The Ordinance and the Certificate of the Development, Implementation, Management, and Enforcement of an Erosion and Sediment Control Program for the Construction Site Storm Water Run-Off Control MCM, State Form 51272 (R2 / 11-03), was submitted to the IDEM Rule 13 Coordinator on November 3, 2005.

The City of Wabash reviews the Ordinance periodically to determine if any revisions are necessary. There have been no recent revisions to said Ordinance. The Ordinance will be revisited and modified during the post General Permit process.

BMP 2: Required BMPs per the Indiana Storm Water Quality Manual

The Ordinance indicates that the plans and BMPs used to satisfy the conditions of a Comprehensive Storm Water Management Plan shall meet the standards and specifications in the most current edition of the Indiana Storm water Quality Manual (formerly known as the Indiana Handbook for Erosion Control in Developing Areas). Further, the plans must make use of the practices that preserve the existing natural condition to the Maximum Extent Practicable. The City of Wabash can require additional or alternative planning and storm water management if deemed necessary to further protect water quality, adjacent property Owners, or the City of Wabash sewer system.

BMP 3: Provide Training for Construction Site Contractor

The City of Wabash has in the past, informed construction site contractors through newspaper advertisements, brochures, and surveys, that new ordinances and submittal procedures are required by the City of Wabash in connection with controlling construction site soil erosion, sediment, and other wastes and storm water runoff during construction. Training of construction site contractors will occur as necessary during the plan submittal, review process, and during inspections for specific construction conditions. Permitted sites require a preconstruction meeting with the MS4 Operator.

BMP 4: Train MS4 Inspectors and Plan Reviewers

The City of Wabash MS4 Operator and staff obtain training from various sources. The MS4 Operator also works directly with IDEM, engineering consultants, developers, builders, etc., during the plan implementation process and construction inspection.

BMP 5: Community Hotline

The City of Wabash Storm System Complaint Form was previously developed to record a specific incident, inspection, and action taken. No construction site storm water run-off control complaints were received.

PART I: POST-CONSTRUCTION STORM WATER RUN-OFF CONTROL - MINIMUM CONTROL MEASURE

21. List the best management practices for post-construction storm water run-off control identified in your SWQMP Part C and then respond to the following:

- a. Identify progress made towards development and implementation of each BMP in the SWQMP including timetables and measurable goals during this reporting period.
- b. Describe implementation problems encountered and changes due to ineffectiveness or infeasibility during this reporting period.

No implementation problems encountered or changes due to ineffectiveness or infeasibility during this reporting period.

- c. Describe program implementation partnerships and explain successes and barriers.
- d. MS4 area personnel responsible for implementation of the post-construction minimum control measure shall receive, at a minimum, annual training. Identify training provided for this minimum control measure during this reporting period.

The City utilized consultants during this reporting period.

- e. Identify updates or revisions to the post-construction storm water ordinance or other regulatory mechanism made during this reporting period.

No updates or revisions to the post-construction storm water ordinance or other regulatory mechanism made during this reporting period.

- f. Other: No further comments.

The City of Wabash has implemented an Ordinance to Provide for the Control of Construction Site Soil Erosion, Sediment, and Other Wastes and Storm Water Runoff (General Ordinance No. 8, 2005), which was submitted to IDEM on November 3, 2005. This information completed the Post-Construction Storm Water Management MCM Submittal. The Ordinance will be revisited and modified during the post General Permit process.

BMPs for post-construction storm water run-off control identified in the SWQMP Part C (Updated September 2015 and approved by IDEM on November 8, 2015) include review of the erosion and sediment control ordinance, the requirement to follow the Indiana Storm Water Quality Manual, training for construction site contractors and MS4 inspectors, and continuance of a community hotline for reporting of storm water related questions or concerns. The City of Wabash has implemented these BMPs and reviews such periodically for revisions that may improve this MCM.

Periodic inspections are conducted by the City of Wabash MS4 Operator to ensure post-construction compliance with the related City of Wabash Ordinance and Structural BMPs.

PART J: MUNICIPAL OPERATIONS POLLUTION PREVENTION AND GOOD HOUSEKEEPING - MINIMUM CONTROL MEASURE

22. List the best management practices for municipal operations pollution prevention and good housekeeping identified in your SWQMP Part C and respond to the following:

- a. Identify progress made towards development and implementation of each BMP in the SWQMP including timetables and measurable goals during this reporting period.
- b. Describe implementation problems encountered and changes due to ineffectiveness or infeasibility as it relates to pollution prevention and good housekeeping at MS4 owned and operated facilities during this reporting period.
- c. Identify storm water BMPs installed or initiated at MS4 owned and operated facilities.
- d. Identify and describe appropriate storm water training provided to MS4 employees. Employees are required to have a minimum training once per year.
- e. Other:

BMP 1: Annual Training for Municipal Employees on Pollution Prevention and Good Housekeeping

Periodically, the City of Wabash reviews its training material for municipal employees in connection with proper vehicle maintenance, fertilizer, pesticide and herbicide application, fuel storage and spill prevention, pollution material spill prevention and clean up, and other miscellaneous training issues related to this BMP.

The City of Wabash tracks the number of employees attending training through attendance sheets, retains copies of all training materials, and records the amount of time dedicated to training.

BMP 2: Standard Operating Procedures (SOP) for Spill Prevention and Cleanup

The City of Wabash utilizes a previously developed a Standard Operating Procedures (SOP) for Spill Prevention and Cleanup. The SOP identifies the proper spill containment wall or spill trays and the annual (minimum) inspection, as the responsible for each of the Department Heads. The SOP also covers annual training of all employees, contact information for emergencies, spill removal from within the containment wall or spill tray, and the blockage procedure to prevent the spilled material from entering the sewer waterway. Chemicals stored inside or over a paved area outside, along with dry containment techniques to prevent materials from entering drains, are included in the SOP plan.

BMP 3: Street Sweeping

The City of Wabash's Street Sweeping Schedule is based on their trash pickup route, which is divided into five sections for the typical five-day work week. Street sweeping operations are conducted a minimum of one to two times per month. If needed, street cleaning occurs more frequently, but generally this schedule is sufficient to maintain acceptable conditions. Street contaminants, such as soil, asphalt erosion, litter, and automobile contaminants, are removed during street cleaning by mechanical boom sweepers. Waste from the City of Wabash Street sweeper is placed in a bin at the Street Department Garage and, as necessary, placed in a dumpster and ultimately disposed of properly at an approved landfill.

BMP 4: Develop and Implement a Good Housekeeping Improvements Plan

The City of Wabash educates and reviews good housekeeping practices with their Fire, Street, Park, Police, and Wastewater Departments. All Departments have the necessary spill cleanup materials readily available on-site. Personnel in all Departments have been trained in the use of spill cleanup materials. The Street Department oversees this good housekeeping aspect at the Police and Fire Department facilities.

Good Housekeeping Meetings are scheduled with all Department Heads by the MS4 Operator, who discusses the program and evaluates the responses for any necessary and/or beneficial improvements.

All of the Departments that have containment walls, spill trays, cabinets, and/or tanks, are proactively inspected for defects.

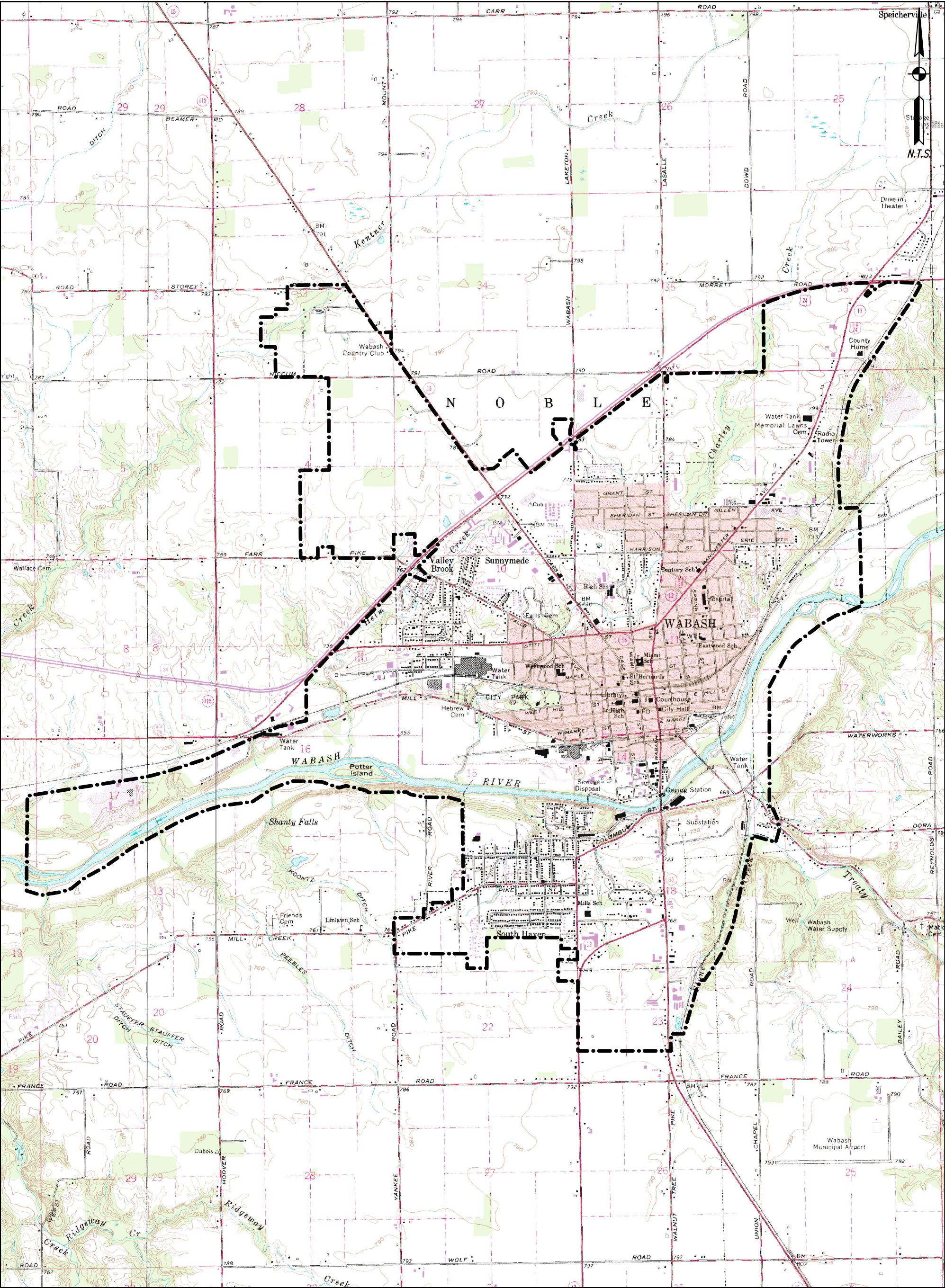
The City of Wabash Standard Operating Procedures for Spill Prevention and Cleanup is posted in Department offices and any common room (such as the garage area, etc.). Police and Fire Department personnel have been trained to immediately contact the Street Department for assistance should any spill occur.

Vehicle maintenance and logs of such are completed regularly to prevent the potential of fluid leaks. Personnel are trained that should a leak occur; prompt and thorough cleanup is essential to prevent contamination.

BMP 5: Catch Basin and Storm Sewer Cleaning

The City of Wabash utilizes two Vactor trucks to clean catch basins and storm sewers, along with sanitary and combination sewers. Material removed from the Vactor trucks is placed in a newly constructed containment area at the City of Wabash Wastewater Treatment Plant for proper subsequent disposal.

Other: The City of Wabash is proceeding with CSO mitigation in accordance with their LTCP. Phase 4 design is in progress.



LEGEND

----- CORPORATE LIMITS

APPENDIX 2
MS4 BOUNDARY MAP
WABASH, INDIANA
N.T.S.

