Rule 13 - MS4 ANNUAL REPORT

State Form 51278 (R6 / 7-12)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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

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.

Five Year Permit Term	Reporting Year
☐ 1st Permit Term ☒ Second and subsequent five (5) Year Permit Terms	**Permit Year** 2022 ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 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 0 092**	**Type of MS4:** ☒ City ☒ Town ☒ County ☐ Non-traditional
2. MS4 Entity:	Terre Haute Co-Permit *(Name of permit holder)*	
3. MS4 Operator:	Debra Padgett	
4. Mailing Address:	Terre Haute Wastewater Utility 3200 S State Road 63 Terre Haute, IN ZIP: 47802 County: Vigo	
5. Email Address:	debbie.padgett@terrehaute.in.gov	

PART B: GENERAL INFORMATION – MS4 COORDINATOR

6. MS4 Coordinator (*please print*):	Alicia Barnard
7. Person's Title:	MS4 Group Coordinator
8. Mailing Address:	Terre Haute Wastewater Utility 3200 S State Road 63 Terre Haute, IN ZIP: 47802
9. Telephone Number:	812-244-5511
10. E-mail Address:	alicia.barnard@terrehaute.in.gov

PART C: GENERAL INFORMATION – REPORT PREPARER

11. Name: (*Provide this information if someone other than MS4 Operator or Coordinator completed this report.*)	
12. Affiliation with the MS4:	
13. Mailing Address:	, IN ZIP:
14. Telephone Number:	Extension:
15. E-mail Address:	

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.

INR040092 - City of Terre Haute - Debra Padgett, MS4 Operator/Wastewater Utility Director, 812-244-5500

INR04A092 - Indiana State University - Bryan Duncan, Dir. Capital Planning & Improvements, 812-237-8100

INR04B092 - IvyTech Community College of Terre Haute - Sam Johnson, Dir. Facilities & Maintenance, 812-298-2266

INR04C092 - Rose-Hulman Institute of Technology – Lindsey Wright, EHS Director, 812-877-8124

INR04D092 - Seelyville – Jeremy Jessie, Town Manger, 812-877-2665

INR04E092 - Vigo County – Larry Robbins, Vigo County Engineer, 812-462-3419

INR04F092 - West Terre Haute - Jim Crowley, Street & Utility Superintendent, 812-533-1053

INR04G092 - Honey Creek-Vigo Cons. District – Parker Manning, Board Chairman, 812-235-4520

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")

The MS4 area boundaries were updated in May of 2020 and no additional changes had been made.

A copy is provided in Attachment 1 - Current Map of MS4 Boundary Areas

c) Identify follow-up or additional water quality characterizations completed during the reporting period if applicable.

No updates to report.

d) Provide updated receiving water information completed during the reporting period if applicable.

No updates to report.

e) Identify funding sources (utility fees, grants, enforcement fines etc) utilized for MS4 program implementation during this reporting period.

The primary funding sources for Terre Haute, Vigo County, and the Honey Creek Conservancy District are general taxpayer funds. Seelyville and West Terre Haute have stormwater fees. Funds for the IvyTech, Rose-Hulman and ISU programs come from their general facility operating budgets.

f) Provide a list of new active industrial sites identified during this reporting period.

No new industrial facilities identified.

A list of currently active manufacturing/industrial facilities are included in Attachment 2: Industrial Facility List.

g) Provide a list of facilities owned and operated by the MS4 that require Rule 6 (industrial storm water) permits.

IDEM has not required any facility owned and operated by the co-permit group to obtain Rule 6 permit coverage.

h) Provide a summary of complaints received and follow-up investigation results related to storm water quality issues during this reporting period.

5/18/22, reported by landfill operator: The gate on the back of a dump truck delivering dry sludge to Sycamore Ridge malfunctioned after crossing the railroad tracks and allowed some material to fall on the roadway between 1170 St. Rd. 159 and 6953 E Cottom Drive. The Wastewater Utility safely removed the material from road. No discharge to waterways occurred.

5/18/22, Stormwater Community Watch (QR Code) website: Citizen report of drainage issues at the intersection of Warren St and Monterey Avenue in Terre Haute. The Wastewater Utility sent crew to clean inlets.

7/8/22, Stormwater Community Watch (QR Code) website: Citizen report of inlet blocked by debris near 2000 N 13th Street, 1900 Garfield Avenue, and 1940 N 9th Street in Terre Haute. The Wastewater Utility sent crew to clean inlets.

8/29/22, reported by Wastewater Utility Director: New sewer pipes installed in new construction area of Hawthorn Woods subdivision were not sealed off during construction. Stormwater runoff carried large amounts of mud to sewer lift station causing alarms and sewer callout. Michael Knust Excavating was invoiced $1,260 for sewer cleaning and the Vigo County SWCD was alerted that an erosion and sediment control inspection should be conducted.

9/8/22, reported by MS4 Coordinator: While searching for the source of strong hydrogen sulfide in sewer system, a site visit of Reconserve of Indiana at 1150 E Harlan Drive was conducted. No pollution prevention practices were in place and open dumping was evident. Their NPDES permit (INRM02461) valid to 09/19/23. Reported to IDEM for enforcement.

10/5/22, reported by Wastewater Utility employee: White paint in curb drain at 26th & Beech near remodel work at home on southeast corner. The contractor stated he has been at the location for 30 days and the dried paint was already on the drain covers when they started work. We provided educational information for recognizing and reporting illicit discharges and explained drains connect to Lost Creek and pointed our QR code drain markers in the area to report issues. We requested he review info with other employees.

Construction site complaints are tracked by the City Engineer's office and the Vigo County SWCD office. Complaints regarding sediment tracking on public roadways or adjacent property and lack of silt fence were received in 2022. Inspections were conducted in response to reports received and verbal/written notification of deficiencies were provided. Contractors correct issues promptly.

i) Other:

The co-permittees have no additional information to report under this Program Management section.

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.

The Permittees updated the SWQMP in May of 2020. MCM 1 & MCM 2 were combined. Timetables for development and implementation for each BMP of these MCMs were completed and measurable goals attained in 2022. A summary of BMP descriptions, measurable goals, timelines, responsible parties, and activities completed for this reporting period are shown in Attachment 3: Terre Haute Co-Permit SWQMP BMP Tracking Sheet.

The BMPs for MCM 1 & MCM 2 are shown below:

- Assessment of Public Awareness
- Stormwater Educational Brochures
- Storm Drain Marking
- Stormwater Community Watch Website
- K-12 Education
- Business & Industry Education
- Training for Construction Professionals
- Miscellaneous Media
- Web Sites
- Public Notices & Public Meetings
- Community Clean-up Events
- Recycling Programs
- SWMD Activities
- SWCD Activities
- Rule 13 Public Participation List

b) Describe implementation problems encountered and changes made due to ineffectiveness or infeasibility during this reporting period.

No problems or changes to report.

c) Describe program BMPs that went beyond those identified in the SWQMP.

The MS4 continues to use our “Don’t Trash the ‘Bash” coloring t-shirts at public events. The front of the shirt shows rainwater picking up pollutants as it flows to the storm drain in the street in front of a residential home. The back of the shirt has our QR code to the stormwater community watch website where people can learn more about our program and illicit discharges can be reported. This product continues to be a real crowd-pleaser, drawing many people to our educational booth at public events. The shirts are available in youth and adult sizes. Participants are asked to complete one of our public stormwater surveys in exchange for the free t-shirt.

d) Identify storm water BMPs installed or initiated for this MCM during this reporting period.

No new BMPs initiated.

e) Describe program implementation partnerships and explain successes and barriers during this reporting period.

Partnerships outside of the co-permit group are vital in achieving the goals of the public education and outreach MCM. The MS4 will continue to seek additional partnerships for environmental public education and work to develop a closer relationship with the current constituent list. Meeting our goals relies on partnerships with, or activities completed by, the following persons or organizations:

- Vigo County SWCD
- Terre Haute Urban Forester
- Terre Haute Department of Redevelopment
- ISU Institute for Community Sustainability & ISU Recycle Center
- Keep Terre Haute Beautiful & Trees Inc.
- White Violet Center for Eco-Justice

f) Other:

No other items to discuss for this MCM.

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.

The Permittees updated the SWQMP in May of 2020. Timetables for development and implementation for each BMP of this MCM were completed and measurable goals attained in 2022. The BMPs for MCM 2 are combined with the BMPs for MCM 1 and are discussed in item 17 of this report. A summary of BMP descriptions, measurable goals, timelines, responsible parties, and activities completed for this reporting period are shown in Attachment 3: Terre Haute Co-Permit SWQMP BMP Tracking Sheet.

b) Describe implementation problems encountered and changes made due to ineffectiveness or infeasibility during this reporting period.

No implementation problems were encountered. No changes.

c) Describe program BMPs that went beyond those identified in the SWQMP.

Nothing new to report.

d) Identify storm water BMPs installed or initiated for this MCM during this reporting period.

Nothing new to report.

e) Describe program implementation partnerships and explain successes and barriers during this reporting period.

Keep Terre Haute Beautiful, Trees Inc., ReTHink, The Society of Trash Baggers, 105.5 WVIG, 100.7 MIX-FM, WTWO, WTHI, Tribune Star and TerreHaute.in.gov are all resources that the MS4 Group can use to support advertising and participation in our community events with the public and they all have an interest in the stormwater program. They continue to be good resources to provide information and encourage involvement with the citizens in our communities.

f) Other:

Nothing additional to report for this MCM.

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.).

The timetables for development and implementation for each BMP of this MCM were completed and measurable goals attained. A summary of BMP descriptions, measurable goals, timelines, responsible parties, and activities completed for this reporting period are shown in Attachment 3: Terre Haute Co-Permit SWQMP BMP Tracking Sheet.

The BMPs for MCM 3 are:

- Stormwater System Mapping
- Stormwater Educational Brochures (discussed in MCMs 1 & 2)
- Illicit Discharge Detection and Elimination Ordinance
- Illicit Discharge Detection and Elimination Plan

b) Describe implementation problems or challenges encountered, particularly as it relates to mapping and screening of outfalls during this reporting period.

There have been no implementation problems.

c) Identify changes made to the IDDE Plan during this reporting period if applicable.

No changes to the IDDE Plan during this reporting period. A review will be conducted in 2023 and updates will be made, if necessary.

d) Identify updates or revisions to IDDE ordinance or other regulatory mechanism made during this reporting period.

No updates or revisions to report.

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.

The MS4 uses a GIS based map with regional map overlays. Mapping does not include private or mutual drains, yard swales that are not maintained by the MS4, or curbs and gutters. All known outfall conveyances with a pipe diameter of 12” or larger and open ditches with a 24” or larger bottom width were mapped with GPS collection methods at or better than plus or minus 5 meters of accuracy. West Terre Haute has 90% of MS4 lines mapped and has plans to excavate possible collapsed drain lines to find the remaining drainage paths.

We believe our outfall screening meets the requirements of the MS4GP.

f) Other:

No additional information available for this MCM.

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.

The Permittees updated the SWQMP in May of 2020. MCM 4 & MCM 5 were combined. Timetables for development and implementation for each BMP of these MCMs were completed and measurable goals attained in 2022. A summary of BMP descriptions, measurable goals, timelines, responsible parties, and activities completed for this reporting period are shown in Attachment 3: Terre Haute Co-Permit SWQMP BMP Tracking Sheet.

The BMPs for MCM 4 & MCM 5 are shown below:

- Stormwater Management Ordinance
- Stormwater Technical Standards
- Operation & Maintenance (O&M) Manuals
- Plan Review, Site Inspection, and Enforcement
- Staff Training
- Erosion and sediment Control and Post-Construction BMP Tracking Database
- Training for Construction Professionals
- Procedure for Prioritizing Program Activities
- Inspection and Enforcement Documentation
- Co-Permittees Rule 5 Compliance

b) Describe program implementation partnerships and explain successes and barriers during this reporting period.

The MCM 4 & 5 activities are conducted by way of memorandums of understanding with the Vigo County SWCD and the City Engineer's office. These agreements will need to be renewed in 2023.

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.

With the City, 15 sites applied for construction permits in 2022 and 12 sites were inspected. The remaining sites were not under construction. The County had 9 sites and conducted 13 inspections in 2022. Escalating enforcement actions are based on the severity of the infraction and efforts to comply. Enforcement efforts did not need to continue after verbal/written notification of deficiencies.

d) Identify the number and types of training opportunities that were provided to contractors, developers, and builders during this permit period.

Contractor's workshops are conducted in the spring of each year but lingering COVID concerns restricted in-person meetings locally. Contractors were encouraged to participate in virtual options offered by other entities including Stormwater One, NPDES Training Institute, White River Alliance, and INDOT. The co-permittees resumed annual in-person training on March 16. We had 30 attendees including engineering firms, contractors, builders, developers, utility companies, MS4 personnel and SWCD staff.

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.

In addition to the training provided by the MS4, the plan reviewers/inspectors attended the following training events: EPA Construction General Permit (CGP) Site Inspector Training Course, Low Impact Development: The Basics of Bioretention, 2022 Indiana MS4 Partnership Annual Meeting, and New IDM Chapter 204: "Post-Construction Stormwater BMPs", Christopher B Burke New CSGP Permit Webinar, NPDES MS4CECI Permit Renewal Online, and CSGP Plan Review Training in Jasper, IN.

f) Identify updates or revisions to the storm water construction ordinance or other regulatory mechanism made during this reporting period.

No revisions to report.

g) Other:

No additional information for this MCM.

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.

The Permittees updated the SWQMP in May of 2020. Timetables for development and implementation for each BMP of this MCM were completed and measurable goals attained in 2022. The BMPs for MCM 5 are combined with the BMPs for MCM 4 and are discussed in item 20 of this report. A summary of BMP descriptions, measurable goals, timelines, responsible parties, and activities completed for this reporting period are shown in Attachment 3: Terre Haute Co-Permit SWQMP BMP Tracking Sheet.

b) Describe implementation problems encountered and changes due to ineffectiveness or infeasibility during this reporting period.

No issues or changes to report.

c) Describe program implementation partnerships and explain successes and barriers.

The Vigo County SWCD and the City of Terre Haute Engineering Department are responsible for the review and final approval of post-construction storm water quality control plans. Post construction BMPs are inspected and maintained in good condition by the owner, in accordance with the Terre Haute Standards and Specifications, the Indiana Storm Water Quality Manual, and/or the post construction operations and maintenance manual to provide the intended storm water quality benefits. Following construction completion, maintenance of BMPs shall be the long-term responsibility of the facility's owner. The Authorized Enforcement Agency has the authority to perform long-term, post construction inspection of all public or privately owned BMPs. Additionally, each permit entity is responsible for the inspection and enforcement of post-construction BMPs in their jurisdiction. If the City or County believes these inspections are unsatisfactory, they reserve the right to inspect and enforce the ordinance as they see fit.

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 post-construction topic is a training aspect of the Vigo County Erosion and Sediment Control annual training event, IDEM annual meetings and other training events that MS4 personnel attend.

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

No changes.

f) Other:

No additional items to discuss for this MCM.

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.

The timetables for development and implementation for each BMP of this MCM were completed and measurable goals attained. A summary of BMP descriptions, measurable goals, timelines, responsible parties, and activities completed for this reporting period are shown in Attachment 3: Terre Haute Co-Permit SWQMP BMP Tracking Sheet.

The BMPs for MCM 6 are:

- Maintenance Schedules Tracking
- MS4 Conveyance System Maintenance
- Street Sweeping Program
- Spill Prevention and Clean-up
- Fertilizer and Pesticide Management
- Canine Park Location
- Waste Disposal
- Flood Management Projects
- Annual Good Housekeeping & Pollution Prevention Staff training
- Stormwater Pollution Prevention Plans (SWPPPs)

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.

No issues to report.

c) Identify storm water BMPs installed or initiated at MS4 owned and operated facilities.

Chemical inventories are maintained by each facility. Generalized material inventories are part of the site specific SWPPPs that were updated in 2021 and 2022. All materials are stored in a manner that prevents the accidental contamination of storm water. Storage facilities are constructed or retrofitted to protect materials for exposure to precipitation and runoff. Secondary containment is used inside and outside the facilities.

The majority of the hazardous waste in the MS4 is from universities. All waste is properly managed and documented. Specific amounts of hazardous materials are maintained by each entity.

All deicing materials are protected from the weather. Stockpiles of materials are contained in appropriate storage buildings. Bagged materials are kept on pallets, shelves or impervious surfaces away from rainwater and snow melt.

The fueling areas at municipal facilities include secondary containment or double walled tanks. All fueling areas have spill cleanup materials nearby. The use of secondary containment trays and pans at all facilities continues to be strongly encouraged.

Some City and County departments have indoor wash bays others use commercial facilities. West Terre Haute and Seelyville use commercial facilities. ISU, Rose-Hulman and IvyTech all have indoor wash bays with floor drains tied to oil water separators.

Vehicles and equipment are kept on regular maintenance schedules to check for and repair any leaks that may develop promptly.

All municipal facilities with runoff control plans conduct periodic self-inspections, at least quarterly.

d) Identify and describe appropriate storm water training provided to MS4 employees. Employees are required to have a minimum training once per year.

Personnel responsible for the application of chemicals in public areas like golf courses are certified applicators with the office of the Indiana State Chemist and they receive annual training. Other personnel using over-the-counter weed killer or other similar products receive more generalized training on proper handling use and disposal. Each facility is responsible for their own equipment calibration and application tracking records.

All personnel involved with maintenance, fueling, material handling and storage, grounds keeping, and other similar jobs where pollutants may meet stormwater receive training with periodic refresher courses. In most cases, general training for employees responsible for material storage includes walking thru the facility with the employees taking time to point out and discuss proper storage procedures. Additional training utilized has included web-based videos, DVDs, or printed materials.

e) Other:

A master list of municipally owned and operated facilities is maintained by the MS4 Group Coordinator. Of the 168 facilities on the list, 21 sites have the potential to pollute stormwater and are required to have a site specific Storm Water Pollution Prevention Plans. All of these SWPPPs were updated between 10/13/21 and 4/4/22. The MS4 Coordinator conducts annual inspections and provides training materials.

PART K: CERTIFICATION AND SIGNATURE

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

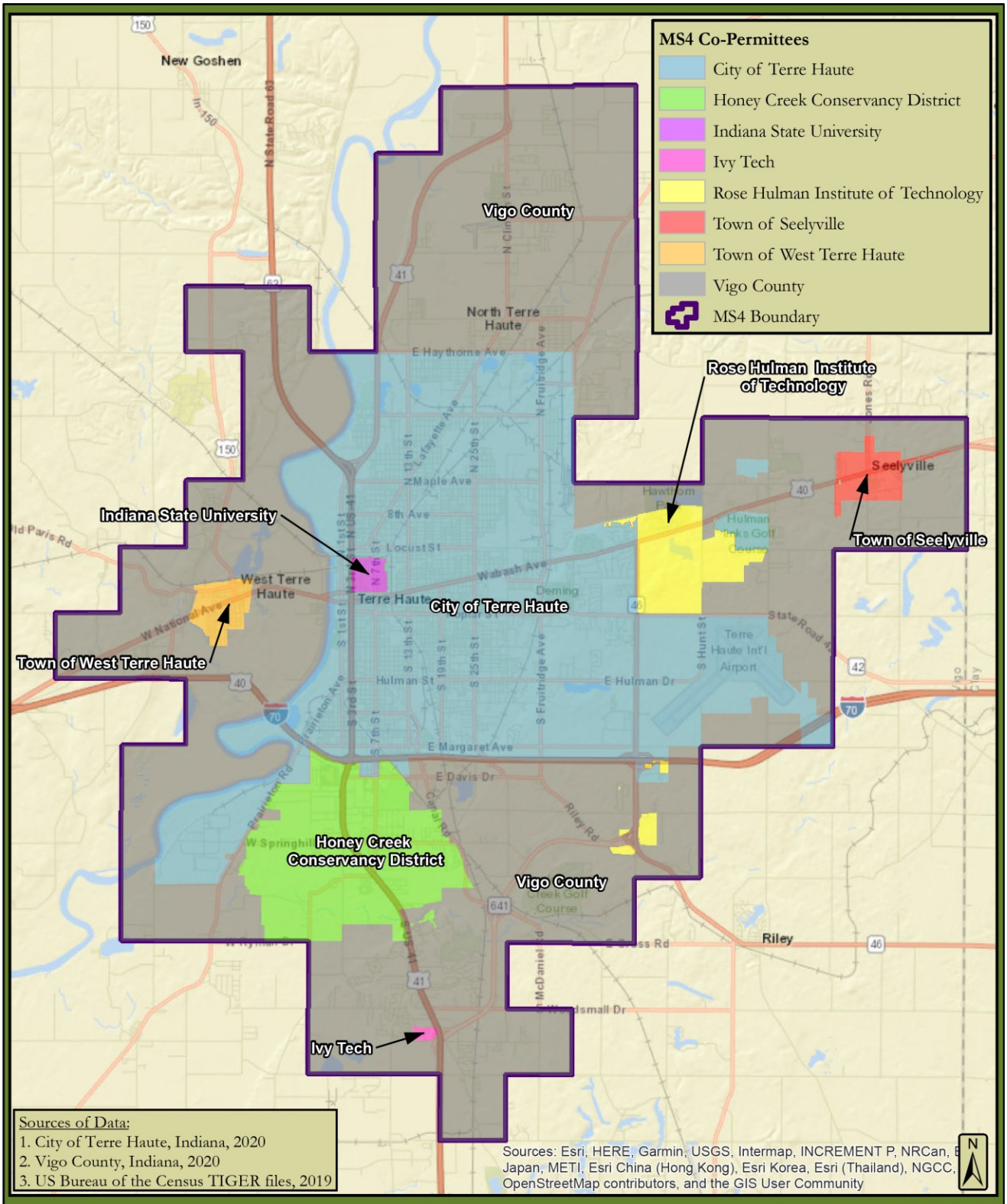
"By signing this annual report, I hereby certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry 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: Debra Padgett

Signature: _____ _____
(mm/dd/yyyy)

Attachment Contents

Attachment 1 - MS4 Boundary Map



Christopher B. Burke Engineering, LLC PNC Center, Suite 1368 South 115 West Washington Street Indianapolis, Indiana 46204 (t) 317.266.8000 (f) 317.632.3306	PROJECT: **SWQMP - Part C Updates**	PROJECT NO. **18-0350**	APPROX. SCALE **1"=10,000'**
			DATE: **05/2020**
	TITLE: **MS4 Boundary**		EXHIBIT **1**

Attachment 2 – Industrial Facility List

Vigo County Active Industrial Facilities 2022

1. Advics, 10550 James Adams St., Automobile Brake Components (NPDES #INRM00034 & Terre Haute Wastewater Utility discharge permit #1120)
2. Amcor *(formerly Bemis)*, 1350 N Fruitridge Ave., Polyethylene Bags/Flexible Packaging (NPDES #INRM00935)
3. Ampacet, 3801 N Fruitridge Ave., Plastic Compounding (NPDES #INRM00337)
4. Aramark, 3752 N Fruitridge Ave., Commercial Laundry (Terre Haute Wastewater Utility discharge permit #1092)
5. Brenntag, 1400 Lockport, Wholesale Chemicals and Allied Products
6. CF Industries Distribution Terminal, 9905 US 41 N, Farm Supplies (NPDES #IN0059901)
7. Clabber Girl Corporation, 900 Wabash Ave., Baking Powder
8. Danisco, 11 Litesse Dr., Sweeteners (NPDES #IN0062766, Terre Haute Wastewater Utility discharge permit #1180)
9. Elanco, 1445 S 1st St., Animal Feed Enzymes (NPDES #INRM00950 & Terre Haute Wastewater Utility discharge permit #1127)
10. Federal Correctional Institution (Unicor), 4200 Bureau Rd., Federal Penitentiary with Textile Mill (MS4 permit #INR040138 & Terre Haute Wastewater Utility discharge permit #1103)
11. Futurex Industries, 10000 S Carlisle Dr., Sheet Extrusion
12. Gartland Foundry, 330 Grant St., Gray & Ductile Iron
13. GATX Financial Corporation Rail Division, 4400 Maple Ave. (NPDES #INRM01725)
14. GE Aviation, 333 S 3rd St., Turbine Engine Components (Terre Haute Wastewater Utility discharge permit #1102)
15. Great Dane Trailers, 4955 N 13th St., Semi-Trailers (NPDES #INRM00920)
16. Hearthside Food Solutions, 9445 E US Highway 40, Seelyville, Commercial Bakery (Terre Haute Wastewater Utility discharge permit, #1138)
17. Hydrite Chemical Co., 2400 S Erie Canal Rd., Chemical Manufacturer (NPDES #INRM02401 & Terre Haute Wastewater Utility discharge permit #1107)
18. Illiana Truck Parts Inc., 909 N 25th St., Scrap Yard (NPDES #INRM00766)
19. Indiana Railroad Company Van Yard, 1353 N Fruitridge Ave. (NPDES #INRM00442)
20. Jones & Sons Inc., 3527 Canal Rd. (NPDES #INRM02598)
21. Meridian Brick LLC, 5601 E Price Dr., Brick manufacturing
22. Meridian Brick LLC, Cumminsville Rd. & Cemetery Dr., Brick manufacturing
23. Novelis, 5901 N 13th St., Aluminum Foil (NPDES permit #IN0001627)
24. Paul's Auto Yard Inc., 2701 N 25th St., Scrap Yard (NPDES #INRM02644)
25. PolyOne, 3100 N 35th St., Polymers & Colorants (NPDES #INRM00266)
26. Revolution Materials, 300 N Fruitridge Ave., Polyethylene Liners/Industrial Plastics Recycler (NPDES #INRM02818)
27. Reynolds & Company, 1916 S 25th St., Machine & Parts
28. Saturn Petcare, 411 East Dallas Drive, Pet Food Manufacturer (Terre Haute Wastewater Utility Discharge Permit #1136, NPDES #INRM02668)
29. Select Genetics, 380 E Industrial Dr., Turkey Hatchery (Terre Haute Wastewater Utility discharge permit #1132)
30. Southwest Auto Company Inc., 1901 Prairieton Ave., Scrap Yard (NPDES #INRM02013)
31. Steel Dynamics Heartland LLC, 455 Industrial Dr., Cold-Roll Steel Finishing (NPDES #INRM02481 & Terre Haute Wastewater Utility discharge permit #1119)
32. Taghleef Industries, 1171 Crawford St., Oriented Polypropylene Film (NPDES #IN0001601)
33. Terre Haute Bin (Frito Lay), 6541 Indiana 42 (NPDES #INRM00645)
34. Terre Haute Wilbert Burial Vault Co., 509 E Preston St., Vault Company (NPDES #INRM02410)
35. ThyssenKrupp Presta, 1597 E Industrial Dr., Automobile Steering Components
36. Tredegar, 3400 Ft Harrison Rd., Plastic Films (NPDES #INRA01139)
37. United Parcel Service, 5596 E Margaret Dr. (NPDES #INRM00531)
38. Wabash Valley Asphalt, 400 N 10th St. (NPDES #INRM00624)
39. XPO Logistics Freight Inc. XTH, 3651 N Fruitridge Ave. (NPDES #INRM01174)

Attachment 3 – Terre Haute Co-Permit SWQMP BMP Tracking Sheet

Public Education and Outreach & Public Participation and Involvement (MCM 1 & MCM 2)

Best Management Practice (BMP)	BMP Description	Measurable Goals, Tracking, and Programmatic Indicators	Timeline	Responsible Party	Activities Completed
Assessment of Public Awareness	Survey public event attendees and use data to assist in developing public education, outreach, participation, and involvement strategies	Conduct survey at ISU Earth Day and St. Mary's Earth Day. Review data and update strategies annually.	Conduct annually	Coalition	185 surveys were completed by attendees participating in Indiana State University's Earth Day event. St. Mary of the Woods College did not hold an Earth Day event in 2022 due to lingering COVID concerns.
Stormwater Educational Brochures	Develop 3 brochures addressing: Restaurants/FOG Lawn Care Motor Oil	Distribute 3 new stormwater brochures during the 4th permit term. Track # of brochures printed and distributed.	On-going distribution	Coalition	Distribution data: 1,050 lawn care pamphlets 1000 make you home the solution to stormwater pollution brochures 125 rain barrel brochures 80 fats, oils and grease BMP booklets 50 homeowner conservation practices to protect water quality brochures 19 oil/water separator BMP pamphlets
Storm Drain Marking	Continue to apply QR codes to storm drains a part of Stormwater Community Watch Program. Maintain dedicated storm drain marking website.	Mark 500 storm drains annually. Track locations of marked drains.	On-going	Coalition	The Terre Haute sanitary district has nearly 6,000 curb drain inlets. We successfully applied 2,500 QR code markers between the spring of 2019 through the fall of 2021. Supply chain shortages after COVID caused a lengthy delay in receiving our second order of 2,500 markers in 2022, but the order was eventually fulfilled and we plan to resume application during 2023. Paper maps of QR code marked locations in the City of Terre Haute Sanitary District are maintained in the MS4 Coordinator's office. Rose-Hulman has 103 storm drain marked on campus property and digital maps are updated as necessary. IvyTech has 60 drains that are marked at the main campus and the satellite campus in the Vigo County industrial park. Seelyville has three drains marked at 2299 N Main. West Terre Haute has 30 drain marked: 3 at Poplar Street between 5th and 6th, 2 at 9th & Allison, 2 at 9th & National, 3 at 8th & National, 4 at 7th & National, 4 at 6th & National, 5 at 5th & National, 1 at Johnson & 3rd, 1 at 3rd & Paris, 1 at Faulkes & 9th, 2 at McQuilken between Paris & Miller and 2 at Miller near Grover.
Stormwater Community Watch Website	Continue program to allow citizens to report stormwater pollution issues as well as provide educational information. QR codes on storm drains send users to this program website.	Maintain information on dedicated website.	On-going	Coalition	The QR code is printed on brochures and t-shirts. A link to report problems through the stormwater community watch website is on the City of Terre Haute's webpage. In 2022, we received four reports about blocked curb drain inlets. We need to increase awareness of the QR code reporting feature so people are more aware of the QR code markers in their neighborhoods.

Best Management Practice (BMP)	BMP Description	Measurable Goals, Tracking, and Programmatic Indicators	Timeline	Responsible Party	Activities Completed
K-12 Education	All 5th graders in Vigo County participate in Conservation Field Days. Envirothon is an annual event for High School students.	Continue water quality presentations at Conservation Field Days. Continue water ecology presentation at Envirothon. Track using Programmatic Indicators #1 and #2: 1) Number or percentage of citizens, segregated by type of constituent that have an awareness of stormwater quality issues, 2) Number and description of meetings, training sessions, and events conducted to involve citizen constituents in the stormwater program.	Held annually	Coalition	1,078 5th grade students and teachers from Consolidated, Davis Park, Devaney, Dixie Bee, Farrington Grove, Fayette, Franklin, Fuqua, Hoosier Prairie, Lost Creek, Ouabache, Riley, Rio Grande, St. Patrick, Sugar Grove, and Terre Town attended the 5th Grade Field Days in 2022. A rainfall simulator is used to demonstrate erosion and sedimentation. Other topics covered include Water Quality, Agronomy-Soybeans, Ag History, Forestry, Geology, Bats, Soils, Wildlife, Wetlands, Electrical Safety, Poultry, Alpacas, Beef, Gardening/Pollination, Where our food comes from, Swine, Area Planning, Recycling, and Weather. 35 students participated in the Envirothon challenge along with 4 advisors, and 12 volunteers. Topics focus on Soil Land Use, Aquatic Ecology, Wildlife, Forestry and a Current Issue. ISU Recycle Center provided education to 233 participants during their 2021-2022 fiscal year.
Business & Industry Education	Continue to conduct pre-treatment, grease trap, and stormwater inspections of business and industrial facilities having a wastewater treatment permit. Provide educational and training information to facilities during inspections as appropriate.	Track number of inspections conducted.	Inspect facilities annually	Coalition	Number of facilities inspected: 268 food service establishments 29 dental facilities 25 construction sites 22 municipal facilities 19 industrial facilities 19 automotive facilities 4 Illicit Discharge Detection and Elimination inspections
Training for Construction Professionals	Continue to offer Contractors' Workshop. Vary topics to meet needs of attendees and Coalition program goals.	Track using Programmatic Indicators #1 and #2: 1) Number or percentage of citizens, segregated by type of constituent that have an awareness of stormwater quality issues, 2) Number and description of meetings, training sessions, and events conducted to involve citizen constituents in the stormwater program.	Annually	Coalition	Contractor's workshops are conducted in the spring of each year but COVID restricted in-person meetings locally. Contractors were encouraged to participate in virtual options offered by other entities including Stormwater One, NPDES Training Institute, White River Alliance, and INDOT. The co-permittees resumed annual in-person training on March 16. We had 30 attendees including engineering firms, contractors, builders, developers, utility companies, MS4 personnel and SWCD staff.

Best Management Practice (BMP)	BMP Description	Measurable Goals, Tracking, and Programmatic Indicators	Timeline	Responsible Party	Activities Completed
Misc. Media	As appropriate, utilize various types of media to enhance their Stormwater Education Program. Distribute stormwater quality articles in newspapers, newsletters, or other existing publications. Continue participating in jointly produced videos with other MS4 entities. Use social media as needed.	Track number and topics of articles or social blasts. Place links to videos on websites.	On-going distribution	Coalition	1/21/22 Trib Star: https://www.tribstar.com/news/local_news/vigo-county-residents-can-schedule-pickup-report-littering-with-new-app/article_b4f39e0e-5bed-5a5c-be5c-e7943c29707d.html 3/15/22 Trib Star: https://www.tribstar.com/news/local_news/witnesses-to-a-blessing-river-ceremony-notes-international-rivers-day-catholic-sisters-week/article_2d89c2c5-c0a6-5e0c-8806-ef6602debe9d.html 4/19/22 WTHI: https://www.wthitv.com/news/rose-hulman-makes-commitment-to-being-greener/article_64b51ffa-c027-11ec-a6c9-3b9791318786.html 4/20/22 Trib Star: https://www.tribstar.com/news/local_news/collaborating-with-nature-green-chemistry-underway-at-rose-hulman/article_9c8857c5-f080-54a1-927a-ac6b87825bb5.html 4/21/22 WTHI: https://www.wthitv.com/news/isu-celebrating-earth-day/article_e17b3568-c0dd-11ec-8b57-bb8f32745f5c.html 4/21/22 Trib Star: https://www.tribstar.com/news/news_columns/mark-bennett-taking-a-deeper-look-at-the-river-on-earth-day/article_5cb07440-e8d0-59f7-8310-b179a7ec83f5.html 4/22/22 Trib Star: https://www.tribstar.com/news/local_news/earthlings-march-for-climate-justice/article_cea3ad6b-0c3a-51ca-bdfb-7d7c5ee07720.html 4/22/22 Trib Star: https://www.tribstar.com/news/local_news/tree-planing-cleanup-events-set-for-saturday/article_01773c48-e7ad-50e1-ae1a-a18ee9c7fde6.html 4/24/22 Trib Star: https://www.tribstar.com/news/news_columns/mark-bennett-a-fairbanks-park-riverwalk-would-need-a-seawall-first/article_06ea9fbc-2168-51d4-bae5-dfd4b22b8c93.html 4/25/22 WTHI: https://www.wthitv.com/news/local-communities-are-making-a-positive-impact-during-earth-

Best Management Practice (BMP)	BMP Description	Measurable Goals, Tracking, and Programmatic Indicators	Timeline	Responsible Party	Activities Completed
					week/article_55ada866-c445-11ec-aa0d-635b0bd6c9bb.html 4/26/22 Trib Star: https://www.tribstar.com/news/local_news/th-student-earns-international-honor/article_c1e13bdc-c11e-5dcd-af08-91926da17aff.html 4/27/22 Trib Star: https://www.tribstar.com/news/local_news/isu-community-gardens-grows-its-food-forest/article_b79e6c55-1d63-5738-9ce5-233dd63c50cc.html 5/5/22 Trib Star: https://www.tribstar.com/news/local_news/turn-to-the-river-phase-i-dedication-set-for-may-17/article_6ae024ea-d782-561a-a0dd-dbe55cde7536.html 5/17/22 Trib Star: https://www.tribstar.com/news/local_news/turn-to-the-rivers-transformative-first-phase-revitalizes-government-campus/image_2b5734b3-d68c-5ddf-ae6a-7cf691e8e157.html 5/17/22 Trib Star: https://www.tribstar.com/indiana/naturally-speaking-help-in-protecting-our-lakes/article_7bb47713-ad67-55d0-8f28-7958e84937a0.html 5/20/22 Trib Star: https://www.tribstar.com/news/indiana_news/experts-give-context-to-report-on-indiana-s-unsafe-waterways/article_ee76e308-bae1-5d22-beea-0718f6d0be6c.html 7/13/22 WTWO: https://www.mywabashvalley.com/news/local-news/local-business-works-to-reduce-waste-in-the-wabash-valley/ 9/20/22 WTHI: https://www.wthitv.com/news/vigo-county-recycling-program-sees-success/article_455cdd72-3922-11ed-b645-6f4dfc02e773.html 11/30/22 Trib Star: https://www.tribstar.com/news/local_news/terre-haute-still-working-on-sewer-overflow-project/article_aecfb534-6a98-11ed-a5e1-b78d1ac39f6c.html

Best Management Practice (BMP)	BMP Description	Measurable Goals, Tracking, and Programmatic Indicators	Timeline	Responsible Party	Activities Completed
					12/14/22 WTWO: https://www.mywabashvalley.com/news/local-news/rose-hulman-recognized-for-environmental-efforts/
Web Sites	Continue to maintain six websites related to stormwater quality. Updates will include appropriate Stormwater program documentation, articles developed, brochures, and calendar updates. Add new Speakers Bureau information.	Update with new information, as needed. Track total number of hits sites receive. Add Speakers Bureau information for availability of Coalition members to give presentations.	Updated, as needed, Add Speakers Bureau by end of 2020	Coalition	Current websites: stormwaterwatch.com, terrehautecleanwater.com terrehaute.in.gov/departments/wastewater-utility/pollution-prevention indstate.edu/university-engagement/sustainability, indstate.edu/facilities, rose-hulman.edu/about-us/facilities-operations/index.html, seelyville.municipalimpact.com, vigocoswcd.org. The Industrial Pre-treatment Department/MS4 Coordinator can provide tours of the wastewater treatment plant to small groups, participate in public education and outreach events and share knowledge at training events. Speakers Bureau link is on the City of Terre Haute website at terrehaute.in.gov/departments/wastewater-utility/speakers-bureau
Public Notices & Public Meetings	Continue public notices for public hearings and meetings where stormwater information and issues are discussed. Give attendees the opportunity to verbally comment for the record.	Public notice will be given, and public hearings or meetings will be held for activities such as County Drainage Board, Public Works Board, and Sanitary District Board meetings. Track using Programmatic Indicator #2: 2) Number and description of meetings, training sessions, and events conducted to involve citizen constituents in the stormwater program	On-going	Coalition	The Terre Haute City Council and the Terre Haute Sanitary District Board each hold 24 meetings per year. The Vigo County Drainage Board meets 6 times per year. West Terre Haute town meetings occur monthly. The Vigo County SWCD and the Honey Creek-Vigo Conservancy District each have one annual meeting. All of these meetings are open and advertised to the public.
Community Clean-up Events	Partner with Keep America Beautiful and Trees, Inc. to conduct Community Clean-up Events, Clean-up areas will be identified by the event partners.	Partner, advertise, and conduct two events annually Track using Programmatic Indicators #2 and #3: 2) Number and description of meetings, training sessions, and events conducted to involve citizen constituents in the stormwater program, 3) Number and location of storm	Twice annually	Coalition	On average 200 to 300 people volunteer to help with community clean-up events each year. The twice per year Terre Haute event collected 34.55 tons of material in 2022. The Vigo County township clean-up events that occur at 12 locations throughout the year collected 128 ton of material. The County Health Department hosts a Tire Amnesty Month in April for Vigo County residents. 6097 tires were collected in 2022. ISU has several scheduled community trash pickup days each year. Volunteers pick up trash along the Wabashiki Wetlands in West Terre Haute,

Best Management Practice (BMP)	BMP Description	Measurable Goals, Tracking, and Programmatic Indicators	Timeline	Responsible Party	Activities Completed
		drains marked or cast, segregated by marking method			annually and their town clean up in April filled a compacting garbage truck plus two 30-yard and two 40-yard dumpsters. Seelyville collected 9.71 tons of material at one event.
Recycling Programs	In addition to the Vigo County Solid Waste Management District (SWMD) collections described below, ISU, Rose Hulman, and Ivy Tech will continue to have their own in-house recycling programs. Continue to keep the ISU recycling program open to the public.	Track amount of material collected. Track number of recycling containers available to students.	On-going	Coalition	Indiana State University has 72 buildings, with at least one recycling container in each building. ISU campus recycling volume is included in the public recycling volume total for 2021-2022, which collected 257.86 tons of material. Ivy Tech Community College of Terre Haute collected 400 cubic yards of recyclables from 50 containers on their campus. The recycling center on the Rose-Hulman Institute of Technology campus provides a bin for cardboard recycling, 5 gaylords for E-Scrap, 3 republic recycling dumpsters, and a 30-yard scrap metal dumpster in addition to containers placed throughout campus for convenience within the classrooms, offices, common areas, and dorms. Rose-Hulman collected 11,852 lbs. of electronic scrap, 31,580 lbs. of scrap metal and 84,600 lbs. of general recyclables in 2022.
SWMD Activities	Support SWMD activities to educate school children and community members on the importance of pollution prevention as well as waste disposal and recycling programs. Support SWMD recycling and various waste collection events	Promote on-going SWMD activities as needed. Hold 1 recycling and/or waste collection/Tox-away Day event per year. Track using Programmatic Indicators #3, #10, #11, and #12: 3) Number and location of storm drains marked or cast, segregated by marking method, 10) Number of and estimated or actual amount of material, segregated by type, collected from HHW collections in MS4 area, 11) Number and location of constituent drop-off centers for auto fluid recycling, 12) Number or percentage of constituents that participate in HHW collections.	On-going	Coalition	The SWMD provides dumpsters and labor for community clean-up events, operates a recycling center for Vigo County residents with drive-thru drop off, offers electronics recycling, free document shredding services, and hosts the annual Tox-Away day event. In 2022 the SWMD collected 576 tons of material and conducted one hazardous waste cleanup event. Unfortunately, the annual Tox-Away Day in Vigo County excluded most hazardous household chemicals in 2022. While the Ohio-based incinerator for Heritage Environmental Services was offline for maintenance, a non-waste related fire damaged the facility. The only hazardous chemical the SWMD was able to collect was automotive oil and gasoline. No paint, pesticides or herbicides or other chemicals were accepted. The event allowed for the disposal of "white goods" (refrigerators, washers, dryers and other appliances), tire disposal, electronics and document shredding. The SWMD's website, vigocountysolidwaste.org, offers citizens the opportunity to report illegal dumping. In 2022, they received three reports for county illegal dumping locations and 2 reports for City of Terre Haute locations. City and

Best Management Practice (BMP)	BMP Description	Measurable Goals, Tracking, and Programmatic Indicators	Timeline	Responsible Party	Activities Completed
					County employees respond to these reports and remove the waste for proper disposal.
SWCD Activities	Support SWCD activities to educate and encourage agricultural producers to use BMPs. Support SWCD activities to educate school children and community members on the importance of pollution prevention and recycling. Continue to work with the SWCD via the MOA to implement MCMs 1&2	Promote on-going SWCD activities as needed. Include stormwater education information in annual "Ag Conservation Field Day" event Include stormwater education in other agricultural events as appropriate.	On-going	Coalition	The Vigo County Soil and Water Conservation District provides education and outreach to more than 3,000 people. They connect land users to sources of education, technical, and financial assistance, and implement conservation practices and technologies. In addition to producing several newsletters each year, they organize the annual Vigo County 5th Grade Conservation Field Days at the Vigo County fairgrounds, provide educational information to visitors that attend the Vigo County 4-H Fair. The Vigo County SWCD participates in other local events like Earth Day celebrations at Saint Mary of the Woods College and Indiana State University. They hand out information and provide education at the Creek Stomp event, Enviro-thon, Dobbs Park & Nature Center Fishing Rodeo, Master Gardener's meetings, Contractor's Workshop and give information about rain gardens and sell rain barrels at their office. The Vigo County SWCD collaborates with neighboring Vermillion, Clay and Sullivan counties to conducted education events beyond the boundaries of our MS4 area.
Rule 13 Public Participation List	Update and maintain list of those groups and individuals that would be most likely to have an interest in the Co-permittees' Stormwater Program Use Participation list to match volunteers to activities. Develop an email contact list of companies, groups, and individuals interested in participation. Develop spreadsheet to track activities and participants Solicit volunteers via websites.	Update list on an on-going basis. Track using Programmatic Indicators #2 and #3: 2) Number and description of meetings, training sessions, and events conducted to involve citizen constituents in the stormwater program, 3) Number and location of storm drains marked or cast, segregated by marking method.	On-going	Coalition	Keep Terre Haute Beautiful, Trees Inc., ReTHink, The Society of Trash Baggers, 105.5 WVIG, 100.7 MIX-FM, WTWO, WTHI, Tribune Star and TerreHaute.in.gov all help support advertising and participation in our community events with the public and they all have an interest in the stormwater program. They all continue to be good resources to provide information and encourage involvement with the citizens in our communities.

Illicit Discharge Detection and Elimination Program (MCM 3)

Best Management Practice (BMP)	BMP Description	Measurable Goals, Tracking, and Programmatic Indicators	Timeline	Responsible Party	Activities Completed
Stormwater System Mapping	The Co-permittees will enhance existing MS4 maps with locations, sizes, and types of outfalls as the IDDE Plan is implemented. New outfalls and conveyance systems will be added to the map for the appropriate jurisdiction.	Track using Programmatic Indicator #5 and #6: 5) Estimated or actual linear feet or percentage of MS4 mapped and indicated on an MS4 area map, 6) Number and location of MS4 area outfalls mapped.	On-going	Co-permittees	Conveyance and outfall mapping was completed in 2010. Nearly 14,000,000 linear feet of MS4 conveyances were mapped countywide, including the river, lakes and streams, but not roadside ditches, curbs or gutters. Terre Haute mapped 180 outfalls on Thompson Ditch and Lost Creek. Rose-Hulman mapped campus conveyance and outfalls. IvyTech maintains mapping of all storm sewer locations and discharge points. West Terre Haute has 90% of MS4 lines mapped and has plans to excavate possible collapsed drain lines to find the remaining drainage paths. Two outfalls are at 7th & Cherry Grove and National at Sugar Creek. Honey Creek Vigo Conservation has 100% of the MS4 conveyance and outfalls mapped in GIS. The County does not own and operate any qualifying systems that fall within the requirements. The majority of their system is made up of small ditching networks. Culvert pipes passing under county roads are mapped. Mapping is updated as changes occur.
Stormwater Educational Brochures	*This item, previously listed here, has been discussed within table for MCMs #1 and #2*				
IDDE Ordinance	The Coalition will periodically review the IDDE language contained in the Stormwater Management Ordinances for needed updates and to ensure compliance with the MS4GP.	Continue to enforce Stormwater Management Ordinance. Review Ordinance at least once per permit term. Track using Programmatic Indicator #9: 9) Number and location of illicit discharges eliminated.	On-going	Co-permittees	General Ordinance No. 2, 2008, passed by the common Council on May 8, 2008 created Article 7. Illicit Connections and Discharge Regulations in the Terre Haute City Code. West Terre Haute and Seelyville both adopted the same ordinance language shortly thereafter. The regulations cover Applicability, Responsibility for Administration, Ultimate Responsibility, Discharge Prohibitions, Suspension of MS4 Access, Industrial or Construction Activity Discharges: Submission of NOI, Monitoring of Discharges, Requirement To Prevent, Control, and Reduce Storm Water Pollutants by the Use of Best Management Practices, Watercourse Protection, Notification of Spills, Violations and Enforcement, Appeal of Notice of Violation, Enforcement Measures After Appeal, Cost of Abatement of the Violation, Injunctive Relief, Compensatory Action, Violations Deemed a Public

Best Management Practice (BMP)	BMP Description	Measurable Goals, Tracking, and Programmatic Indicators	Timeline	Responsible Party	Activities Completed
					Nuisance, Civil Penalty, and Criminal Prosecution. A review will be conducted in 2023 and updates will be made, if necessary.
IDDE Plan	The Coalition will review the IDDE Plan and update if necessary to reflect the proposed actions for illicit discharge detection and elimination in the current permit term. The Coalition will continue to implement the IDDE plan to detect, address, and eliminate illicit discharges into their MS4 conveyance system.	Use tools and procedures identified in the IDDE plan to screen all MS4 owned and operated outfalls once per permit term. Identify all active industrial facilities in Annual Reports. Track using Programmatic Indicators #7 and #8: 7) Number and location of MS4 area outfalls screened for illicit discharges, 8) Number and location of illicit discharge detected.	The IDDE Plan will be reviewed/ updated in 2020 On-going IDDE Plan implementation	Co-permittees	The Illicit Discharge Detection and Elimination Plan was developed in 2011 and cover Regulatory Mechanisms, Storm Sewer Mapping, Identifying and Eliminating Illicit Discharges, and Education and Awareness. A review and possible update will be conducted in 2023. The most urbanized drainage channel in the MS4 area is Thompson Ditch. Thompson Ditch and the urbanized area along Lost Creek in North Terre Haute are officially screened once per permit period, and will be inspected again in 2023. City and County employees are trained to recognize and report any signs of illicit discharge they may encounter while performing their daily activities. Their job duties take them near waterways multiple times throughout the course of their daily activities and successful training programs have encouraged them to look at the drainage paths as they pass by and report issues promptly when they are discovered. The County Surveyor's office conducts Annual Ditch Inspections and prepares written reports with images, notes and comments for all of the regulated drains. West Terre Haute inspects stormwater flap gates. With the help of the community and employees, the Town of Seelyville investigates reports suspected illicit discharges. Rose-Hulman's preventative maintenance is conducted and documented and the EHS staff routinely checks for issues including illicit discharges and erosion. IvyTech cleans and inspects storm drains monthly including the drainage pipes that outfall to their retention pond.

Construction & Post Construction Site Stormwater Runoff Control (MCM 4 & MCM 5)

Best Management Practice (BMP)	BMP Description	Measurable Goals, Tracking, and Programmatic Indicators	Timeline	Responsible Party	Activities Completed
Stormwater Management Ordinance	Periodically review the active construction and post-construction site language contained in the stormwater ordinance for updates and to ensure compliance with current Rule 13 language.	Continue to update and enforce the stormwater ordinance. Revise and tailor ordinance language for each MS4.	On-going	Co-permittees	General Ordinance No. 3, 2008, passed by the Common Council on May 8, 2008, created Article 8. Construction Site and Post-Construction Site Storm Water Control in the Terre Haute City Code. West Terre Haute and Seelyville both adopted the same ordinance language shortly thereafter. The regulations cover Applicability, Responsibility for Administration, Ultimate Responsibility, Responsibility of Construction Site Owner, Construction Plan Submittal, Review and Approval, General Requirements for Storm Water Quality Control, General Requirements for Individual Building Lots within a Permitted Project, Monitoring of Discharges, Requirement To Prevent, Control, and Reduce Storm Water Pollutants by the Use of Best Management Practices, Inspection, Post-Construction Controls for New Development or Redevelopment, Enforcement, Injunctive Relief, Compensatory Action, Civil Penalty, and Violations Deemed a Public Nuisance. The Ordinances will be reviewed and updated as necessary in 2023.
Stormwater Technical Standards	Periodically review the active construction and post-construction site language contained in the stormwater technical standard manual for updates or use IDEM Stormwater Quality Manual.	Continue to review and approve proposed new and redevelopment projects for compliance with the stormwater ordnance. Update standards as changes are identified.	On-going	Co-permittees	The MS4 is updating standards that are specific to our area during the 2023 review. The temporary and permanent structural BMPs utilized in this area typically include construction entrances, stream crossings, diversion structures, inlet protection, slope drains, sediment ponds, rock-lined and grass-lined channels, catch basins and drywells. The number of and location of basins, erosion control blankets, rip rap, swales, buffers, check dams, inlet/outlet protection, berms, dewatering/turbidity curtains, haul roads, filter bags/socks/straw bales, cofferdam, fiber rolls, drywells, seeded areas, and other practices are tracked by the MS4 construction plan reviewers employed by the City Engineer's Office and County Soil and Water Conservation District. BMPs shall be inspected and maintained in good condition by the owner, in accordance with the Terre Haute Standards and Specifications, the Indiana Storm Water Quality Manual, and/or the post construction operations and maintenance manual to provide the intended storm water quality benefits. The Standards and Specifications document will

Best Management Practice (BMP)	BMP Description	Measurable Goals, Tracking, and Programmatic Indicators	Timeline	Responsible Party	Activities Completed
					be updated as necessary to include new information and remove outdated or ineffective BMPs from the preapproved list.
Operation & Maintenance (O&M) Manuals	Continue to require that O&M manuals are to be submitted for all post-construction BMPs identified as part of a project submittal package.	Continue to enforce ordinance requirements for O&M plan submittal and plan contents. Track using Programmatic Indicator #19: 19) Number, type, and location of structural BMPs maintained or improved to function properly.	On-going	Co-permittees	Post construction O&M plan must be submitted with the SWPPP and a notarized maintenance agreement. BMPs must be from a preapproved list. We will continue with this requirement throughout the permit term. Maintenance of BMPs is the long-term responsibility of the facility's owner. We have the authority to perform long-term, post construction inspection of all public or privately owned BMPs. Additionally, each permit entity is responsible for the inspection and enforcement of post-construction BMPs in their jurisdiction. If the City or County believes these inspections are unsatisfactory, they reserve the right to inspect and enforce the ordinance as they see fit. The MS4 has not detected nor been notified of any post-construction structural BMP malfunctioning after installation.
Plan Review, Site Inspection, and Enforcement	Continue their review of project plans, conducting site inspections, and actively enforcing the stormwater ordinance.	Continue to review and approve proposed new and redevelopment projects Continue to review 100% of construction plans and inspect sites randomly for compliance. Track using Programmatic Indicators #13, #14, #15, #17, #18, #19, and #20: 13) Number of construction sites obtaining an MS entity issued stormwater runoff permit in the MS4 area, 14) Number of construction sites inspected, 15) Number and type of enforcement actions taken against construction site operators, 17) Number, type, and location of structural BMPs installed, 18) Number, type, and location of structural BMPs inspected,	On-going	Co-permittees	Structural and nonstructural BMPs are inspected as a part of the Construction and Post-Construction Runoff Control Program. Plans are kept on file. Post-construction inspections are conducted as a part of the MS4 program as well. With the City, 15 sites applied for construction permits in 2022 and 12 sites were inspected. The remaining sites were not under construction. The County had 9 sites and conducted 13 inspections in 2022. Escalating enforcement actions are based on the severity of the infraction and efforts to comply. Actions may include a verbal warning, a written warning, a written Notice of Non-Compliance, a Stop Work Order, or revocation of the site's building permit. Additional enforcement actions may include Injunctive Relief, Compensatory Action, and/or Civil Penalty. Enforcement efforts did not need to continue after verbal/written notification of deficiencies. Tracking of programmatic indicators is conducted by and maintained by the City and County Plan Reviewers/Inspectors.

Best Management Practice (BMP)	BMP Description	Measurable Goals, Tracking, and Programmatic Indicators	Timeline	Responsible Party	Activities Completed
		19) Number, type, and location of structural BMPs maintained or improved to function properly, 20) Type and location of nonstructural BMPs utilized.			
Staff Training	All staff responsible for plan review, site inspection, and enforcement related to construction and post-construction requirements will receive annual training.	Continue to provide relevant training to all staff involved in plan review, site inspection, and enforcement requirements for construction and post-construction MCMs. Track using Programmatic Indicator #2: Number and description of meetings, training sessions, and events conducted to involve citizen constituents in the stormwater program.	Annually	Co-permittees	Caleb Williams, the City of Terre Haute plan review/inspector, attended the following training events: CECI Certification, EPA Construction General Permit (CGP) Site Inspector Training Course, Low Impact Development: The Basics of Bioretention, 2022 Indiana MS4 Partnership Annual Meeting, New IDM Chapter 204: "Post-Construction Stormwater BMPs". Paul Pendergast, the Vigo County SWCD plan review/inspector, attended the following training events: Christopher B Burke New CSGP Permit Webinar, MS4 Annual Meeting in Indianapolis, IN, NPDES MS4CECI Permit Renewal Online, CSGP Plan Review Training in Jasper, IN.
Erosion and Sediment Control and Post-construction BMP Tracking Database	Continue tracking the status of construction projects, erosion and sediment control activities, and post-construction BMPs. Tracking will also be completed for violations, complaints, and public information requests.	Continue to track active construction and post-construction project sites. Track using Programmatic Indicators #17, #18, and #20: 17) Number, type, and location of structural BMPs installed, 18) Number, type, and location of structural BMPs inspected, 20) Type and location of nonstructural BMPs utilized.	On-going	Co-permittees	Continuing, no changes to report.
Training for Construction Professionals	*This item, previously listed here, has been discussed within the MCMs #1 and #2*				
Procedure for Prioritizing Program Activities	Continue inspecting 100% of all active construction sites. Continue to re-inspect and follow-up on sites having identified problem areas and/or concerns.	Continue to inspect 100% of sites once and follow up with sites having identified problem areas or concerns. Track using Programmatic	On-going	Co-permittees	Continuing, no enforcement to report. Sites continue to make prompt corrections to deficiencies noted during inspections.

Best Management Practice (BMP)	BMP Description	Measurable Goals, Tracking, and Programmatic Indicators	Timeline	Responsible Party	Activities Completed
		Indicators #14 & #15: 14) Number of construction sites inspected, 15) Number and type of enforcement actions taken against construction site operators.			
Inspection and Enforcement Documentation	Continue to complete active construction site and post-construction BMP inspection forms.	Complete forms for active construction sites and post-construction BMPs inspected. Enter information into database. Track using Programmatic Indicators #14 & #18: 14) Number of construction sites inspected, 18) Number, type, and location of structural BMPs inspected.	On-going inspections for construction sites	Co-permittees	Documentation is maintained by the City Engineer's office and the Vigo County SWCD office, as required.
Co-permittees Rule 5 Compliance	Continue to comply with Rule 5 on each Coalition owned and operated projects that disturb land equal to 1 acre or larger in size.	Continue to comply with Rule 5 on each entity's owned and operated projects.	On-going	Co-permittees	Continuing, no changes to report.

Municipal Operations Pollution Prevention and Good Housekeeping Program (MCM 6)

Best Management Practice (BMP)	BMP Description	Measurable Goals, Tracking, and Programmatic Indicators	Timeline	Responsible Party	Activities Completed
Maintenance Schedules Tracking	Track maintenance activities associated with Good Housekeeping and Pollution Prevention. This will include items such as maintenance on oil/water separators, catch basin inserts, inspection reports, etc.	Continue tracking maintenance activities and schedules.	On-going	Co-permittees	The site-specific SWPPPs outline BMPs for maintenance of stormwater management infrastructure (e.g., detention basins, bioretention areas, oil-water separators). These BMPs include creating and maintaining written documents that describe the frequency of employee training and site inspections, and data collection requirements for maintenance of BMP structures and conveyance systems at the facility. Records are kept on site at each facility.
MS4 Conveyance System Maintenance	Co-permittees will continue program to inspect and maintain the MS4 conveyance systems within their jurisdictions.	Continue inspection and maintenance program Prioritize maintenance needs based on inspections and make conveyance systems improvements as funding allows. Track using Programmatic Indicators #26, #27, #28, #29, and #32: 26) Estimated or actual linear feet or percentage and location of unvegetated swales and ditches that have an appropriately sized vegetated filter strip, 27) Estimated or actual linear feet or percentage and location of MS4 conveyances cleaned or repaired, 28) Estimated or actual linear feet or percentage and location of roadside shoulders and ditches stabilized, if applicable, 29) Number and location of stormwater outfall areas remediated from scouring conditions, if applicable.	On-going	Co-permittees	Each of the inlets and catch basins in the Terre Haute Sanitary District are cleaned by the Wastewater Utility Collections Department several times per year. The sanitary district has 383 miles of sanitary sewer, 87 miles of storm sewer and 156 miles of combined sewer. 8,895 inlets were cleaned in 2022. Vigo County Highway Department completed 30,000 feet of ditching and replaced 80 culverts in 2022. West Terre Haute removed approximately 12 tons (10 cubic yards) of material from drains and catch basins. Seelyville removed 2 tons from structural BMP cleaning and Ivy Tech removed 10 cubic yards of material. 8 tons of leaves and yard waste was collected and composted at ISU.
Street Sweeping Program	Each Co-permittee maintains regularly scheduled street and parking lot	Track using Programmatic Indicator #33: 33) Estimated or actual amount of material	On-going	Co-permittees	Terre Haute Street Department sweeps approximately 700 curb miles of streets. They provide the MS4 Coordinator with daily street sweeping reports listing which streets

Best Management Practice (BMP)	BMP Description	Measurable Goals, Tracking, and Programmatic Indicators	Timeline	Responsible Party	Activities Completed
	sweeping and/or vacuuming operations.	by weight collected from street sweeping, if utilized.			were swept, washout locations and estimated cubic yards of materials collected per day which resulted in an estimated volume of 2,240 cubic yards for 2022. Street sweeping is conducted twice each year at Rose-Hulman and is usually scheduled the week of Homecoming and Commencement collecting approximately 1,000 lbs. of debris. At ISU daily and weekly cleaning occurs by mechanically blowing debris collecting in campus roadways back into surrounding lawns.
Spill Prevention and Clean Up	Implement secondary containment as appropriate. Require proper spill clean-up and proper disposal of used materials. Ensure that spill kits and relevant materials are in areas where spills are most likely to occur.	Coordinate with appropriate office or agency to ensure proper disposal of used materials. Utilize inspection forms to ensure secondary containment and spill kit placement is adequate. Track using Programmatic Indicator #24: 24) Number and location of MS4 entity facilities that have containment for accidental releases of stored polluting materials.	On-going	Co-permittees	Chemical handling, used oil and other waste management is included in the site-specific SWPPPs. Facilities identified chemical storage areas, secondary containment, and/or spill equipment on site, and implemented storage measures to prevent a spill of leak from exiting the buildings or entering a storm conveyances (secondary containment, spill equipment, etc.). They inspect chemical storage areas, containment systems, and spill equipment for issues or concerns and are required to provide enough spill materials in target areas to cleanup a spill. The site managers verify that all containers are appropriately labeled with the contents. Secondary containment is provided for containers/tanks storing oils or petroleum products in accordance with the Fire Prevention Code and the Water Quality Standards (327 IAC 2-10). Double-walled tanks are equipped with leak detection gauges and liquid level devices. Secondary containment is in place for chemical containers 5 gallons and greater. Floor drains connect to the sanitary sewer and not the storm sewer. Materials are stored away from high-traffic areas to reduce the likelihood of accidents that might cause spills or damage to drums, bags, or containers. Annual assessments of the amount of petroleum products stored on-site for possible regulation under the SPCC Rule (40 CFR 112) are conducted, where applicable. If the site's combined fuel/oil capacity exceeds 1,320 gallons in containers 55-gallons and above, a SPCC Plan is required. Salt storage/loading/mixing requirements are to cover or reduce the potential for stormwater contacting deicing salt or sand storage piles (i.e. enclosed building, storage shed or tarp) and to provide containment of any accidental losses of concentrated solutions, salts and other polluting

Best Management Practice (BMP)	BMP Description	Measurable Goals, Tracking, and Programmatic Indicators	Timeline	Responsible Party	Activities Completed
					materials (i.e. sweep back or collect salt that has escaped the covered area). Salt spreaders are calibrated annually and applicators are informed of sensitive areas, such as public water supplies, lakes, and ponds. We do not store salt in sensitive areas (i.e. zone of influence of water supply wells, significant recharge areas, lakes and wetlands) or within the 100-year floodplain to reduce water contamination.
Fertilizer and Pesticide Management	Ensure fertilizer and pesticide contractors and/or staff are certified applicators through the OISC.	Utilize contractors certified by OISC. Track using Programmatic Indicator #25: 25) Estimated or actual acreage or square footage, amount, and location where pesticides and fertilizers are applied by a regulated MS4 entity to places where stormwater can be exposed within the MS4 area.	On-going	Co-permittees	Restricted chemicals are not to be applied without a license. The SWPPPs require the facility to identify restricted pesticides, herbicides, fertilizer, etc. used at their facility; the licensed applicators or contractors; and locations of application. Appropriate secondary containment for restricted pesticides as identified in 355 IAC 5-2 if the stored amount exceeds 55-gallons is implemented. Restricted chemicals are stored in a secured/locked area. Otherwise, recommended storage practices as described on the container label (i.e. containment, heating/cooling conditions) are used. We restrict application of herbicides in drainage ditches to promote natural vegetation that filters stormwater. Stormwater general training is conducted for chemical application contractors, employees, golf course ground crews, etc. Training includes stormwater basics, litter collection, proper storage of chemicals, spill notification, and waste disposal. At Indiana State University, all turf on the main campus is mowed in-house. Surplus properties are mowed through a contract service. Campus turf is managed organically, except for a small percentage of herbicide treatment for invasive weeds. Grounds maintain all recreational sports athletic fields and the non-playing field areas of intercollegiate athletics facilities. Repair of all campus fence installations are also maintained and coordinated. Pesticides and fertilizer are only applied to around 5 acres in the heart of campus. Those areas to not have stormwater discharge. At Rose Hulman fertilizer and pesticides are applied to roughly 30 acers of campus. These materials are stored within the Grounds Services Shop. Pesticides and Fertilizers are applied, handled, and stored in accordance with The Office of the Indiana State Chemist guidance requirements.

Best Management Practice (BMP)	BMP Description	Measurable Goals, Tracking, and Programmatic Indicators	Timeline	Responsible Party	Activities Completed
Canine Park Location	Currently, the dog park has posted signage and rules to encourage proper disposal of pet waste. When proposed, the Co-permittees will review any projects for Canine Parks to ensure proper location away from waterbodies.	Track the number and location of canine parks sited at least one hundred fifty (150) feet away from a surface waterbody. Track using Programmatic Indicator #34 when applicable: 34) If applicable, number or percentage and location of canine parks sited at least one hundred fifty (150) feet away from a surface waterbody.	On-going	Co-permittees	Municipally managed locations: 1. Vectren Bark Park is pet-friendly. The park is fenced-in, but owners are reminded to keep an eye on their dogs and to clean up any mess that they leave behind. Use of the Vectren Bark Park is permitted during park hours from dawn to dusk. 2. Deming Park is the largest dog-friendly park in Terre Haute. Leashed dogs are welcome to join you on the Poplar Street Trail. 3. Dobbs Park in Terre Haute welcomes leashed dogs. There are 3 miles of trails to explore that traverse through wetlands, pine woods, forests, and a 25-acre nature preserve. 4. Collett Park in Terre Haute, IN, is a popular dog walking area. Leashed dogs are welcome to join you on a stroll through the property. Commercial location: 1. Love's Travel Stop in Terre Haute is a dog-friendly gas station and rest area. This location has a fully-fenced dog park with a convenient waste station.
Waste Disposal	Dispose of waste or materials removed from separate storm systems and operational areas in a proper manner.	Determine if waste can be recycled, reused, or disposed of in a landfill. Continue to contract with private firms to perform waste disposal on appropriate items. Track using Programmatic Indicator #32: 32) Estimated or actual amount of material by weight collected from catch basin, trash rack, or other structural BMP cleaning.	On-going	Co-permittees	Requirements in SWPPPs include the following items. Identify wastes generated and complete a waste determination. Wastes could include: street sweeping debris, catch basin debris, vehicle wash waters, used oil, used absorbent, used antifreeze, used oil filters, waste fuels, parts washer liquids, flammable liquids, waste aerosol cans, empty drum/containers, used tires, scrap metal, trash, general recyclables, electronic waste (computers, phones, televisions, etc.), universal waste (bulbs, batteries, mercury containing devises and pesticides), poly-chlorinate biphenyls (PCB) transformers and waste, and other hazardous wastes. Determine proper waste disposal methods or recycling options. Used oils and electronic/universal waste should be recycled. Collected vegetation (leaves, limbs, etc.) cannot be placed in a landfill. Dispose of wastes according to state and federal regulations. Determine appropriate waste storage practices, especially, if waste is stored outdoors (i.e. dumpsters, stockpiles, tanks). Dumpster lids are to be closed at the end of each work day or before a rain event.

Best Management Practice (BMP)	BMP Description	Measurable Goals, Tracking, and Programmatic Indicators	Timeline	Responsible Party	Activities Completed
					Label all waste containers. Prevent runoff from composting areas from contacting stormwater. Develop containment areas for composting locations so runoff is properly contained and treated. If applicable, compile a list of all chemicals present at a facility and obtain a Material Safety Data Sheet (MSDS) or Safety Data Sheet (SDS) for each one (OSHA requirement). Label containers with the name of the waste (e.g. used oil). Make special note on the material inventory (Section 2.2 of the SWPPP) of hazardous chemicals that require special handling, storage, or disposal. Replace toxic chemicals with less toxic or environmentally friendly chemicals. Routinely inspect facility stormwater inlets for debris and clean as needed. If needed, provide inlet protection. Collect litter and debris from the facility daily. Decrease pollutants to the storm sewer system by sweeping municipally-owned paved areas.
Flood Management Projects	Assess new MS4-owned projects for incorporation of water quality devices or practices.	Document that all new MS4-owned projects are assessed for incorporation of additional water quality devices or practices.	On-going	Co-permittees	Some MS4 entity members are a part of the area-planning group. They will suggest and promote the installation and use of pollution prevention devices, where applicable. Additionally, new projects must meet the requirements of the construction & post-construction ordinances. BMP practices installed include seed, mulch, erosion protection, flap-gate maintenance, new drainage pipes, etc. The Brittlebank Park project received construction permit and utilized green infrastructure to infiltrate runoff. Pervious pavement and bioswales were utilized.
Annual Good Housekeeping, & Pollution Prevention Staff Training	Offer annual training to appropriate staff on good housekeeping and pollution prevention topics. Complete annual walk-through of MS4 facilities to follow-up on self-monitoring and to utilize as training.	Continue annual training program. Track using Programmatic Indicators #2 and #3: 2) Number and description of meetings, training sessions, and events conducted to involve citizen constituents in the stormwater program, 3) Number or percentage of citizen constituents that participate in stormwater quality improvement programs.	Annually	Co-permittees	Employee training is essential to ensure all employees with storm water responsibilities are familiar with the requirements of the SWPPP and how to implement the varied BMPs and Standard Operating Procedures (SOPs) described in their SWPPP. Trainings may focus on the facility's activities, spill response and cleanup, material storage and handling, facility BMPs and SOPs, and other topics as needed. Training is offered a minimum once annually to all employees with storm water responsibilities with additional training sessions added as needed. New employees will receive introductory training within six months of being hired. During each employee training session, a Training Attendance Form is to be completed and added to

Best Management Practice (BMP)	BMP Description	Measurable Goals, Tracking, and Programmatic Indicators	Timeline	Responsible Party	Activities Completed
					Appendix D of the SWPPP where a sample form is located. Records of training materials need to be maintained also. Training may include, but is not limited to the following topics: catch basin cleanings and street sweepings dewatering and solids management, chemical handling, fueling, litter collection and general good housekeeping, maintenance of stormwater management infrastructure and BMPs (e.g. detention basins, bioretention areas, oil-water separators), pesticide, herbicide & fertilizer storage/usage, stockpiling (sand, dirt, ditch cleanings, mulch, unwashed aggregates), storage areas for equipment, or scrap/spare materials, used oil and other hazardous waste management; other waste disposal/recycling, yard waste/leaf collection and composting, recognizing and reporting signs of illicit discharges and illegal connections to the stormwater system, and spill cleanup procedures.
Stormwater Pollution Prevention Plans (SWPPPs)	Update existing SWPPPs for MS4-owned facilities. Develop additional SWPPPs or SOPs for any new facilities or operations that have a medium or high potential to contaminate stormwater runoff. Include facility inspection sheets, employee training form, spill documentation, vehicle washing BMPs and maintenance schedules, drainage patterns, sand/salt storage facilities, trash clean-up, street and parking lot sweeping, etc.	Utilize SWPPP and other documents to track inspections, training, etc. for each facility	On-going	Co-permittees	The Indiana Department of Environmental Management's MS4 Coordinator conducted a cumulative review and audit of the Co-Permit Group's MS4 program focusing on MCMs 1, 2, 3 and 6 in August of 2021. In addition to the program overview, site inspections were conducted at the several of the Co-Permittee's owned and operated facilities. The Co-permittees implemented programmatic changes and activities to correct deficiencies reported by the State Coordinator including drain marking, additional spill prevention measures, additional signage, SWPPP updates, and other similar items. The following plan of action for updating SWPPPs is complete: October '21: Receive template SWPPP form from IDEM, November '21: Provide draft SWPPPs to municipal facilities, January '22: Receive completed SWPPPs from municipal facilities, February '22: Review, edit and provide revision notes to municipal facilities, March '22: Complete final draft of SWPPP and receive approval from departments, April '22: Provide update in the MS4 Program Annual Report to the State.

Attachment 4 - Public Survey Analysis

185 Surveys Completed

2022 ISU Earth Day
Storm Water Quality Awareness Survey

1. **The overall water quality of our local rivers, lakes and streams is…**
   ☐ Excellent 2 ☐ Good 24 ☐ Fair 75 ☐ Poor 78 ☐ No opinion 7

2. **Which ONE of the following choices is the largest source of water pollution in our community?**
   ☐ Pollutants from the atmosphere, like acid rain 13
   ☐ Discharges from industrial facilities 69
   ☐ Discharges from sewage treatment facilities 57
   ☐ Stormwater runoff from paved surfaces, like parking lots and roads 88
   ☐ Stormwater runoff from vegetated or forested land 13

3. **Only people who live alongside streams, rivers & lakes need to worry about how they are affecting water.**
   ☐ Agree 24 ☐ Disagree 161

4. **Do you feel that your everyday actions affect water quality in our community?**
   ☐ Directly 105 ☐ Indirectly 74 ☐ Not at all 6

5. **What does your family do you do with grass clippings after mowing the lawn?**
   ☐ Leave on the lawn 107 ☐ Add to compost pile 29 ☐ Throw away with household trash 12
   ☐ Blow into the street 6 ☐ I don't know 30 ☐ We don't have a lawn 19

6. **If you change your car's oil yourself, how do you dispose of the used oil?**
   ☐ I don't change my own oil 131 ☐ Sealed container disposed with household trash 8
   ☐ Pour on grass, dirt or gravel 0 ☐ Dispose in a drain on my street 1
   ☐ Pour it into an indoor sink, toilet or drain 1 ☐ Drop off at a local automotive facility for recycling 46

7. **Allowing grass clippings, motor oil, detergent or other substances to enter the storm sewer system can harm fish and other aquatic life.**
   ☐ True 174 ☐ False 4 ☐ I am not sure 9

8. **I am aware of local programs for recycling and hazardous waste disposal.**
   ☐ Unaware 32 ☐ Somewhat aware 125 ☐ Well informed 28

9. **I would describe my participation in recycling and hazardous waste drop-off programs as:**
   ☐ Rare 44 ☐ Moderate 117 ☐ Frequent 24

10. **What is the best way to supply information to you and your peers?**
    ☐ Websites 135 ☐ Informational brochures available at public places 41
    ☐ Newspaper articles 22 ☐ Municipal newsletters and publications 21
    ☐ Television & radio announcements 58 ☐ Other *(write in)*: social media: 14, public events: 1, word of mouth: 1, journalist: 1