

# MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PROGRAM

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*for*

## **Bartholomew County NPDES Stormwater Permit # INR040097**

*As required by*

Indiana Department of Environmental Management  
MS4 General Permit #INR040000

*Prepared by:*



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## 1.0 PROGRAM OVERVIEW

### 1.1 Introduction

Bartholomew County has been designated a Municipal Separate Storm Sewer System (MS4) by the Indiana Department of Environmental Management (IDEM). An MS4 is defined as a conveyance or system of conveyances owned by a public entity that discharges to waters of the United States and is designed or used for collecting or conveying stormwater. Regulated conveyance systems include roads with drains, municipal streets, catch basins, curbs, gutters, storm drains, piping, channels, ditches, tunnels, and conduits. Bartholomew County's MS4 boundaries are defined as the County's urbanized area. Refer to **Appendix A, Figure A-2** for the **MS4 Boundary Map**.

MS4s were regulated by 327 IAC 15-13 (Rule 13) until December 18, 2021 when IDEM revised the regulations and converted to an administratively issued general National Pollutant Discharge Elimination System (NPDES) permit, which is known as the MS4 General Permit (MS4GP).

This Stormwater Quality Management Plan (SWQMP) meets the requirements of the MS4GP, includes information about the MS4, and describes Best Management Practices (BMPs) and other provisions to reduce the discharge of pollutants from the MS4 into receiving waters.

### 1.2 Program Compliance

In compliance with Rule 13, Bartholomew County's original Notice of Intent (NOI) was submitted to the Indiana Department of Environmental Management (IDEM) in 2003. A Notice of Sufficiency and permit number INR040097 was issued by IDEM and Bartholomew County has maintained compliance and coverage to date.

Bartholomew County then submitted a new NOI under the MS4GP in 2022. Permit documentation is included in **Appendix B**.

The Water Quality Characterization Report (WQCR) will be prepared and submitted by April 1, 2023 and updated as needed.

### 1.3 Purpose

The purpose of this SWQMP is to build from Bartholomew County's previous SWQMP, and other progress made by the MS4. This report includes a detailed program description including BMPs and measurable goals for each of the six Minimum Control Measures (MCMs). Following is a list of the MCMs:

- MCM 1 and 2: Public Education, Outreach, Participation, and Involvement
- MCM 3: Illicit Discharge Detection and Elimination
- MCM 4: Construction Site Stormwater Run-off Control
- MCM 5: Post Construction Stormwater Run-off Control
- MCM 6: Municipal Operations Pollution Prevention and Good Housekeeping

The BMP Implementation Schedule provides the dates each BMP will be identified, reviewed or revised, and completed, as well as the schedule for BMPs that are routinely implemented. Refer to **Appendix C, Table C-1**.

## 2.0 GENERAL REQUIREMENTS

### 2.1 Responsible Entities

The overall MS4 Program is the responsibility of the Chair of the County Commissioners, who serves as the MS4 Operator. The MS4 Coordinator maintains the program documentation and is responsible for implementation. The BMP sheets in the SWQMP identify responsible entities for each MS4 activity or requirement. A list of responsible entities or individuals and contact information for each person administering the program is included in **Appendix C, Table C-2**.

### 2.2 MS4 Jurisdiction

The MS4 has jurisdiction within the urbanized areas of the County boundaries as shown on the MS4 Boundary Map in **Appendix A, Exhibit A-1**. The MS4 implements all of the MCMs of the SWQMP within these boundaries.

The MS4 has staff that maintains the County's mapping information electronically using Geographic Information System (GIS) software. Outfalls are added as they are located. Annexations and construction projects are input as they are completed.

### 2.3 Minimum Control Measure Descriptions

The SWQMP is elaborated in Section 3 and includes details of each BMP including: descriptions, measurable goals, responsible entity, schedule, reporting and recordkeeping, target constituents (if applicable), and whether the BMP is new or existing. BMP sheets that require further explanation or details are provided with a Standard Operating Procedure (SOP).

An initial evaluation of Bartholomew County's stormwater quality is being conducted for the WQCR and incorporated into the SWQMP. Several BMPs are implemented for each MCM. Some BMPs apply to multiple MCMs, as indicated on the BMP detail sheet.

Forms and summary tables used to quantify measurable goals are included **Appendix C** of this report. The County will track improvements of the measurable goals and BMPs each year of the permit term.



## 3.0 STORMWATER QUALITY MANAGEMENT PLAN

### 3.1 Public Education, Outreach, Participation, and Involvement

The purpose of the public education and outreach program is to inform targeted constituents within the MS4 area about the impacts pollution can have on water quality and provide information on how they can prevent stormwater pollution.

The purpose of the public participation and involvement program is to allow targeted constituents to provide input into the SWQMP, improve community stormwater practices, and take part in stormwater quality improvement projects. The Bartholomew County MS4's public participation and involvement program will implement a community stormwater pollution prevention program that will invite participation from all constituent groups. This program will center on pollution prevention and reporting, public meetings, volunteer activities, and interactive educational programs in conjunction with other local entities (e.g., Bartholomew County Solid Waste Management District (SWMD) and Bartholomew County Health Department).

The County has identified the following community issues to focus on during the permit term:

- For its residential audience, the County will focus on proper yard waste disposal.
- For its commercial/industrial audience, the County will focus on preventing and controlling litter.
- For its construction audience, the County will focus on erosion and sediment control BMP maintenance

Lists of educational materials and public events are maintained in **Table C-3** and **C-4** in **Appendix C**. The County's strategy for implementing the Public Education, Outreach, Participation, and Involvement MCM is identified in the BMPs sheets in this section.

<b>Community Stormwater Issue - Construction</b>		
<p><b><i>BMP Description</i></b></p> <p>Bartholomew County has identified erosion and sediment control BMP maintenance as its target stormwater issue. This topic will be included in educational materials that are distributed and put on the website. The County will also track individual lot inspections, compliance, and enforcement through its Construction Stormwater General Permit (CSGP) Project Inventory (Table C-6).</p> <p>The County will continue to provide stormwater pollution prevention and erosion control information on its website and Facebook (FB) page . Information specific to maintaining BMPs will be distributed to developers when permits are issued and/or during/following inspections. The information may include erosion control BMPs, CSGP regulations, or spill prevention and spill response planning. Training on the target issue will be incorporated into training for developers and County staff.</p>		
<p><b><i>Measurable Goals</i></b></p> <p>Increase erosion and sediment control BMP maintenance by providing educational information.</p>		
<p><b><i>Responsible Entity</i></b></p> <p>MS4 Coordinator</p>		
<p><b><i>Schedule</i></b></p> <p>Identify issue in first year. Determine event by end of second year. Implement by end of permit term. Revise/develop educational material(s) by second year. Provide with each permit approval under the CSGP.</p>		
<p><b><i>Forms</i></b></p> <p>List of Educational Materials (Table C-3), CSGP Project Inventory (Table C-6), List of Public Events (Table C-4)</p>		
<p><b><i>Environmental Impact</i></b></p> <p>This educational effort will reduce erosion from construction sites.</p>		
<p><b><i>Reporting and Recordkeeping</i></b></p> <p>Stormwater Quality Issue identified at planning team meeting on June 14, 2022.</p> <p>Track the status of project approved/inspected. Track website updates, FB posts, and number of educational materials distributed.</p> <p>Section 4.3 (h)(1) – Report status update on BMP and the number of permits issued.</p> <p>Section 4.2 (h)(3) – Report the number and types of other construction and/or post-construction stormwater training opportunities provided.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input checked="" type="checkbox"/> Public Education/Involvement</p> <p><input type="checkbox"/> Illicit Discharge</p> <p><input checked="" type="checkbox"/> Construction Site Control</p> <p><input type="checkbox"/> Post-Construction Site Control</p> <p><input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Section 4.3 (a)(2)(A)</p> <p><b><i>Reporting:</i></b></p> <p>Section 4.3 (h)(1) &amp; (3) Annual Report</p>	<p><input type="checkbox"/> Current BMP</p> <p><input checked="" type="checkbox"/> New BMP</p> <p>BMP Revision Date:</p>

<b>Community Stormwater Issue – Residential</b>		
<p><b><i>BMP Description</i></b>                      The County has identified proper yard waste disposal as its targeted stormwater issue for residential activities impacting stormwater quality.</p> <p>The County will include educational information related to lawn care, proper yard waste disposal, and proper lawn care disposal on its website and FB page and with information distributed related to proper disposal opportunities. Other distribution methods may include mailers, social media posts, and events. Materials will also be distributed by the SWCD and the SWMD.</p>		
<p><b><i>Measurable Goals</i></b>                      Increase public awareness and knowledge of the lawn care and proper yard waste disposal by providing educational materials and information to the public.</p>		
<p><b><i>Responsible Entity</i></b>                      MS4 Coordinator</p>		
<p><b><i>Schedule</i></b>                      Identify issue in first year. Determine event by end of second year. Revise/develop educational material(s) by second year. Implement by end of permit term.</p>		
<p><b><i>Forms</i></b>                      List of Educational Materials (Table C-3), List of Public Events (Table C-4)</p>		
<p><b><i>Environmental Impact</i></b>                      Educates residents on potential impacts to stormwater for lawn care and proper yard waste disposal.</p>		
<p><b><i>Reporting and Recordkeeping</i></b>                      Stormwater Quality Issue identified at planning team meeting on June 14, 2022.                      Track the number of outreach activities conducted for issue (FB posts, mailers, website, etc.).                      Track the approximate number of residents educational materials reached (FB likes, views, hits, etc.).</p> <p>Section 4.3 (h)(1) – Report status update on BMP and the number of permits issued.                      Section 4.3 (h)(2) – Report each public participation/outreach event(s) and activities conducted, a description of the activity, an estimate of the number of attendees, and an assessment if the goals and objectives were met.                      Section 4.3 (h)(5) – Report number of activities conducted and approximate total of residents reached. Discuss if a change of behavior was observed.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input checked="" type="checkbox"/> Public Education/Involvement  <input type="checkbox"/> Illicit Discharge  <input type="checkbox"/> Construction Site Control  <input type="checkbox"/> Post-Construction Site Control  <input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No                      Section 4.3 (a)(2)(B)</p> <p><b><i>Reporting:</i></b>                      Section 4.3 (h)(1), (2) &amp; (5) Annual Report</p>	<p><input type="checkbox"/> Current BMP  <input checked="" type="checkbox"/> New BMP</p> <p>BMP Revision Date:</p>

<b>Community Stormwater Issue – Commercial/Industrial</b>		
<p><b><i>BMP Description</i></b>                      The County has identified litter as its target stormwater issue focused on commercial/industrial activities. The County will educate commercial/industrial facilities through their website, Facebook (FB) page, and through educational brochures.</p>		
<p><b><i>Measurable Goals</i></b>                      Increase awareness about preventing and cleaning up litter as well as dumpster and trash can maintenance to industrial/commercial sites through education.</p>		
<p><b><i>Responsible Entity</i></b>                      MS4 Coordinator</p>		
<p><b><i>Schedule</i></b>                      Identify issue in first year. Determine event by end of second year. Revise/develop educational material(s) by second year. Implement by end of permit term.</p>		
<p><b><i>Forms</i></b>                      List of Educational Materials (Table C-3), List of Public Events (Table C-4)</p>		
<p><b><i>Environmental Impact</i></b>                      Educates industrial/commercial facilities on potential impacts to stormwater.</p>		
<p><b><i>Reporting and Recordkeeping</i></b>                      Stormwater Quality Issue identified at planning team meeting on June 14, 2022.                      Track the number of outreach activities conducted for issue (FB posts, mailers, website, etc.).                      Track the approximate number of businesses educational materials reached (FB likes, views, hits, etc.).                      Section 4.3 (h)(1) – Report status update on BMP and the number of sites receiving educational information.                      Section 4.3 (h)(2) – Report each public participation/outreach event(s) and activities conducted, a description of the activity, an estimate of the number of attendees, and an assessment if the goals and objectives were met.                      Section 4.3 (h)(5) – Report number of activities conducted and approximate total of residents reached.</p>		
<p><b><i>Minimum Control Measures:</i></b>  <input checked="" type="checkbox"/> Public Education/Involvement  <input type="checkbox"/> Illicit Discharge  <input type="checkbox"/> Construction Site Control  <input type="checkbox"/> Post-Construction Site Control  <input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No                      Section 4.3 (a)(2)(C)   <b><i>Reporting:</i></b>                      Section 4.3 (h)(1), (2) &amp; (5) Annual Report</p>	<p><input type="checkbox"/> Current BMP  <input checked="" type="checkbox"/> New BMP                       BMP Revision Date:</p>

<b>Purdue University Extension Events</b>		
<p><b><i>BMP Description</i></b>                      The Purdue University Extension of Bartholomew County conducts programs and activities related to stormwater such as Pesticide Sweep, Master Gardeners, Pond Workshops, Soil Health Classes, and Pollinator Classes. At least one event will be held annually. The County will help to promote and support these events, post event information on their website, and assist with distributing educational information.</p>		
<p><b><i>Measurable Goals</i></b>                      Increase local knowledge on stormwater issues by providing an annual public event for participation.</p>		
<p><b><i>Responsible Entity</i></b>                      MS4 Coordinator                      Purdue University Extension of Bartholomew County</p>		
<p><b><i>Schedule</i></b>                      Complete one event per year.</p>		
<p><b><i>Forms</i></b>                      List of Educational Materials (Table C-3), List of Public Events (Table C-4)</p>		
<p><b><i>Environmental Impact</i></b>                      These educational efforts target stormwater education and benefit the environment.</p>		
<p><b><i>Reporting and Recordkeeping</i></b>                      Track the number of public events completed, information provided/reviewed, and the approximate number of participants.</p> <p>Section 4.3 (h)(1) – Report status update on BMP.                      Section 4.3 (h)(2) – Report each public participation/outreach event(s) and activities conducted, a description of the activity, an estimate of the number of attendees, and an assessment if the goals and objectives were met.                      Section 4.3 (h)(5) – Describe each targeted audience selected, how they were reached during the reporting period, and describe behavioral changes observed.</p>		
<p><b><i>Minimum Control Measures:</i></b>  <input checked="" type="checkbox"/> Public Education/Involvement  <input type="checkbox"/> Illicit Discharge  <input type="checkbox"/> Construction Site Control  <input type="checkbox"/> Post-Construction Site Control  <input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No                      Section 4.3 (a)(3)</p> <p><b><i>Reporting:</i></b>                      Section 4.3 (h)(1), (2) &amp; (5) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP  <input type="checkbox"/> New BMP</p> <p>BMP Revision Date:                      2022</p>

<b>Bartholomew County SWCD Events</b>		
<p><b><i>BMP Description</i></b>                      The Bartholomew County SWCD conducts programs and activities related to stormwater such as Ag Days, 4-H Fair, Girl Scout Activities, Rain Barrel sales, the Conservation Corridor demonstration project, tree sales, and classroom programs, and Weed Wrangles (Invasive Species Management). At least one event will be held annually. The County will help to promote and support these events, post event information on their website, and assist with distributing educational information.</p>		
<p><b><i>Measurable Goals</i></b>                      Increase local knowledge on stormwater issues by providing an annual public event for participation.</p>		
<p><b><i>Responsible Entity</i></b>                      Bartholomew County SWCD</p>		
<p><b><i>Schedule</i></b>                      Complete one event per year.</p>		
<p><b><i>Forms</i></b>                      List of Educational Materials (Table C-3), List of Public Events (Table C-4)</p>		
<p><b><i>Environmental Impact</i></b>                      These educational efforts target stormwater education and benefit the environment.</p>		
<p><b><i>Reporting and Recordkeeping</i></b>                      Track the number of public events completed, information provided/reviewed, and the approximate number of participants.</p> <p>Section 4.3 (h)(1) – Report status update on BMP.                      Section 4.3 (h)(2) – Report each public participation/outreach event(s) and activities conducted, a description of the activity, an estimate of the number of attendees, and an assessment if the goals and objectives were met.                      Section 4.3 (h)(5) – Describe each targeted audience selected, how they were reached during the reporting period, and describe behavioral changes observed.</p>		
<p><b><i>Minimum Control Measures:</i></b>  <input checked="" type="checkbox"/> Public Education/Involvement  <input type="checkbox"/> Illicit Discharge  <input type="checkbox"/> Construction Site Control  <input type="checkbox"/> Post-Construction Site Control  <input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No                      Section 4.3 (a)(3)</p> <p><b><i>Reporting:</i></b>                      Section 4.3 (h)(1), (2) &amp; (5) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP  <input type="checkbox"/> New BMP</p> <p>BMP Revision Date:                      2022</p>

<b>Stormwater Brochures and Materials</b>		
<p><b><i>BMP Description</i></b>                      Develop a list of educational materials (Table C-3) for distribution and outreach opportunities for constituents. Maintain a list of all public education materials developed and used throughout the permit cycle, including those resources from existing programs.</p> <p>Identify all educational materials developed for constituents to learn about MS4 and stormwater and list on Table C-3. Develop additional materials as needed.</p>		
<p><b><i>Measurable Goals</i></b>                      Organize and review developed materials to ensure the information is relevant prior to distribution.</p>		
<p><b><i>Responsible Entity</i></b>                      MS4 Coordinator                      SWMD                      Purdue Extension                      SWCD</p>		
<p><b><i>Schedule</i></b>                      Revise/develop educational materials in the first permit year. Distribute as applicable during the permit term.</p>		
<p><b><i>Forms</i></b>                      List of Educational Materials (Table C-3)</p>		
<p><b><i>Environmental Impact</i></b>                      Keep community interest by reviewing and updating materials and developing new materials.</p>		
<p><b><i>Reporting and Recordkeeping</i></b>                      Track educational materials used throughout the year on the List of Educational Materials (Table C-3).</p> <p>Section 4.3 (h)(1) – Report status update on BMP.                      Section 4.3 (h)(5) – Describe each targeted audience selected and how they were reached during the reporting period and describe behavioral changes observed.                      Section 4.3 (h)(6) – Report (list) all the public education materials used during the reporting period</p>		
<p><b><i>Minimum Control Measures:</i></b>  <input checked="" type="checkbox"/> Public Education/Involvement  <input checked="" type="checkbox"/> Illicit Discharge  <input checked="" type="checkbox"/> Construction Site Control  <input checked="" type="checkbox"/> Post-Construction Site Control  <input checked="" type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No                      Section 4.3 (a)(4) and (d)</p> <p><b><i>Reporting:</i></b>                      Section 4.3 (h)(1), (5) &amp; (6) Annual Report</p>	<p><input type="checkbox"/> Current BMP  <input checked="" type="checkbox"/> New BMP</p> <p>BMP Revision Date:</p>

<b>Construction/Post-Construction Training for Builders, Developers, Contractors and Engineers</b>		
<p><b><i>BMP Description</i></b>                      Bartholomew County will distribute information/brochures when Construction Water Quality Permits are applied for, or when they are issued. The information may include sediment and erosion control BMPs, Construction Site Stormwater General Permit (CSGP) regulations, spill prevention and spill response planning, and post-construction BMP information. The stormwater website also contains information on construction permits and ordinances and erosion and sediment control measures.</p> <p>The County will distribute educational information with permits or application packets and provide for an annual training event. The training event may be conducted in cooperation with other entities, such as the Purdue University Extension of Bartholomew County or the City of Columbus. These educational efforts target stormwater education and construction site pollution prevention.</p>		
<p><b><i>Measurable Goals</i></b>                      Increase knowledge of MS4 construction and post-construction processes and procedures to contractors through training.</p>		
<p><b><i>Responsible Entity</i></b>                      MS4 Coordinator</p>		
<p><b><i>Schedule</i></b>                      Annually.</p>		
<p><b><i>Forms</i></b>                      List of Educational Materials (Table C-3), List of Public Events (Table C-4)</p>		
<p><b><i>Environmental Impact</i></b>                      These educational efforts target stormwater education and construction site pollution prevention.</p>		
<p><b><i>Reporting and Recordkeeping</i></b>                      Document completed training through attendance sheets, online training confirmation, completed quizzes, etc. Record the number of erosion control educational information/brochures distributed to developers that applied for a building permit.</p> <p>Section 4.3 (h)(1) – Report status update on BMP.                      Section 4.3 (h)(3) – Report the number and types of construction and/or post-construction stormwater training opportunities that were provided to contractors, developers and builders, property owners (commercial, industrial, residential, homeowner associations, and other targeted entities during the reporting period.</p>		
<p><b><i>Minimum Control Measures:</i></b>  <input checked="" type="checkbox"/> Public Education/Involvement  <input type="checkbox"/> Illicit Discharge  <input checked="" type="checkbox"/> Construction Site Control  <input checked="" type="checkbox"/> Post-Construction Site Control  <input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No                      Section 4.3 (a) (5)</p> <p><b><i>Reporting:</i></b>                      Section 4.3 (h)(1) &amp; (3) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP  <input type="checkbox"/> New BMP</p> <p>BMP Revision Date:                      2022</p>



<b>Stormwater Website</b>		
<b><i>BMP Description</i></b>		
<p>The County’s stormwater ordinances and CSGP submittal documents are currently on the County stormwater website. The County will continue to revise and maintain a stormwater information web page that contains stormwater information. The site must include:</p> <ol style="list-style-type: none"> <li>(1) Location for the public to report stormwater quality issues</li> <li>(2) Information and resources to educate visitors to the site</li> <li>(3) MS4 stormwater ordinances</li> <li>(4) Stormwater fees and rates</li> <li>(5) MS4 program information (SWQMP, annual reports, and other applicable information)</li> </ol>		
<b><i>Measurable Goals</i></b>		
<p>Increase public awareness and participation by providing stormwater information on the MS4 website.</p>		
<b><i>Responsible Entity</i></b>		
<p>MS4 Coordinator</p>		
<b><i>Schedule</i></b>		
<p>Review annually and update when needed.</p>		
<b><i>Forms</i></b>		
<p>List of Educational Materials (Table C-3)</p>		
<b><i>Environmental Impact</i></b>		
<p>These educational efforts target stormwater education and benefit the environment</p>		
<b><i>Reporting and Recordkeeping</i></b>		
<p>Record the dates the website was updated and annually reviewed.</p> <p>Section 4.3 (h)(1) – Report status update on BMP and the dates the website was reviewed/updated.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input checked="" type="checkbox"/> Public Education/Involvement</p> <p><input checked="" type="checkbox"/> Illicit Discharge</p> <p><input checked="" type="checkbox"/> Construction Site Control</p> <p><input checked="" type="checkbox"/> Post-Construction Site Control</p> <p><input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Section 4.3 (c)</p> <p><b><i>Reporting:</i></b></p> <p>Section 4.3 (h)(1) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP</p> <p><input type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>

<b>Illicit Discharge Education</b>		
<b><i>BMP Description</i></b> Bartholomew County will educate constituents on illicit discharges and proper disposal of waste through the activities with the SWMD, SWCD, and the advertising of public reporting efforts. Constituents include public employees, schools, businesses, and the general public.		
<b><i>Measurable Goals</i></b> Increase public knowledge about illicit discharges through annual events and ongoing educational messages.		
<b><i>Responsible Entity</i></b> MS4 Coordinator		
<b><i>Schedule</i></b> Develop an outreach program/schedule in the first year. Revise or develop educational materials in the second year and implement the rest of the permit term.		
<b><i>Forms</i></b> List of Educational Materials (Table C-3)		
<b><i>Environmental Impact</i></b> Community knowledge helps to identify and eliminate illicit discharges to keep pollutants out of the MS4 system and receiving waters.		
<b><i>Reporting and Recordkeeping</i></b> Document completed events through attendance sheets or estimates of attendees. Record the number of educational information/brochures distributed. Section 4.3 (h)(1) – Report status update on BMP. Section 4.3 (h)(5) – Describe each targeted audience (constituent) selected, how they were reached during the reporting period, and describe behavioral changes observed.		
<b><i>Minimum Control Measures:</i></b> <input checked="" type="checkbox"/> Public Education/Involvement <input checked="" type="checkbox"/> Illicit Discharge <input type="checkbox"/> Construction Site Control <input type="checkbox"/> Post-Construction Site Control <input type="checkbox"/> Municipal Operations	<b><i>Permit Requirement:</i></b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Section 4.3 (b)  <b><i>Reporting:</i></b> Section 4.3 (h)(1) & (5) Annual Report	<input checked="" type="checkbox"/> Current BMP <input type="checkbox"/> New BMP  BMP Revision Date: 2022

<b>Elected Officials Update</b>		
<p><b><i>BMP Description</i></b>                      Stormwater program updates will be presented to elected officials or an advisory board annually. These meetings will provide stormwater education to attendees as well as an opportunity to solicit public involvement. Bartholomew County holds Commissioner meetings at least monthly or more frequently as needed. These meetings are open to the public. Citizen participation will be facilitated through these meetings.</p>		
<p><b><i>Measurable Goals</i></b>                      Provide an opportunity to inform elected officials of program status and achievements and for the community to be involved with stormwater drainage planning and to express concerns.</p>		
<p><b><i>Responsible Entity</i></b>                      MS4 Coordinator                      County Commissioners</p>		
<p><b><i>Schedule</i></b>                      Meetings are held monthly.                      Incorporate stormwater educational topics annually.                      Provide an update on the MS4 program to elected officials annually.</p>		
<p><b><i>Forms</i></b>                      List of Public Events (Table C-4)</p>		
<p><b><i>Environmental Impact</i></b>                      Educate elected officials and other attendees on stormwater issues, budgets, and completed projects.</p>		
<p><b><i>Reporting and Recordkeeping</i></b>                      Record the date of the meeting and the information reviewed.</p> <p>Section 4.3 (h)(1) – Report status update on BMP.                      Section 4.3 (h)(4) – Documentation that presentations were made to elected officials or boards.</p>		
<p><b><i>Minimum Control Measures:</i></b>  <input checked="" type="checkbox"/> Public Education/Involvement  <input type="checkbox"/> Illicit Discharge  <input type="checkbox"/> Construction Site Control  <input type="checkbox"/> Post-Construction Site Control  <input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No                      Section 4.3 (e)</p> <p><b><i>Reporting:</i></b>                      Section 4.3 (h)(1) &amp; (4) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP  <input type="checkbox"/> New BMP</p> <p>BMP Revision Date:                      2022</p>

<b>Stormwater Complaints</b>		
<b>BMP Description</b>		
<p>Bartholomew County maintains information on its website regarding the reporting of illicit discharges to the MS4 Coordinator. Members of the community are encouraged to report pollution, illegal dumping, illicit discharges, construction site concerns, and other stormwater concerns. Complaints are entered into an online form or called in to the SWCD. Complaint forms are used to record the information and the progress of resolving the complaint is tracked. The process for complaint tracking is documented in an SOP. Advertising the complaint process will provide public education to reduce pollutants entering the stormwater system and a subsequent investigation will eliminate sources of pollution. The resulting follow up and resolution of complaints will address potential pollutants.</p>		
<b>Measurable Goals</b>		
<p>All complaints will be recorded, investigated within two business days, and tracked. The complaint information will be posted on the County’s webpage and also advertised. The number of complaints will be sorted by type (flooding, erosion, water quality, dumping, construction site, or other). The complaint tracking SOP will be maintained.</p>		
<b>Responsible Entity</b>		
MS4 Coordinator		
<b>Schedule</b>		
The County maintains a mechanism to receive stormwater complaints. Complaints are investigated, tracked, and resolved as needed. Review SOP annually and update as needed.		
<b>Forms</b>		
Complaint Tracking Form		
<b>Environmental Impact</b>		
A method for community reporting helps to identify and eliminate illicit discharges to keep pollutants out of receiving waters.		
<b>Reporting and Recordkeeping</b>		
<p>Record the number of public information requests and/or complaints received and a summary of the issues and their resolution.</p> <p>Section 4.4 (k)(1) and 4.5(m)(1) – Report status update on BMP and reviews/revisions to SOPs.</p> <p>Section 4.5 (m)(6) – Report the number of public information requests and/or complaints received.</p> <p>Section 4.4 (k) (8) – Report number of illicit discharges/spills reported to the MS4.</p>		
<b>Minimum Control Measures:</b> <input checked="" type="checkbox"/> Public Education/Involvement <input checked="" type="checkbox"/> Illicit Discharge <input checked="" type="checkbox"/> Construction Site Control <input checked="" type="checkbox"/> Post-Construction Site Control <input type="checkbox"/> Municipal Operations	<b>Permit Requirement:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Section 4.5 (g) and (i), 4.4 (b) (5), and 4.4 (b) (6)  <b>Reporting:</b> Section 4.5 (m)(1) and 4.4 (k)(1) and (8) Annual Report	<input checked="" type="checkbox"/> Current BMP <input type="checkbox"/> New BMP  BMP Revision Date: 2022

### 3.2 Illicit Discharge Detection and Elimination

The goal of the illicit discharge detection and elimination (IDDE) MCM is to detect, address, and eliminate illicit discharges into the MS4 conveyance system. Per the MS4GP, illicit discharge means any discharge to a MS4 conveyance that is not composed entirely of stormwater, except naturally introduced floatables, such as leaves or tree limbs. Sources of illicit discharges include, but are not limited to, sanitary wastewater, septic tank effluent, commercial car wash wastewater, oil spills or disposal, radiator flushing disposal, laundry wastewater, roadway accident spillage, pollutant run-off, and household hazardous wastes.

For the purposes of the SWQMP, the Bartholomew County's urbanized area (refer to **Exhibit A-1** in **Appendix A**) will also serve as the MS4 area. Mapping updates are conducted as a BMP. Bartholomew County does not operate any combined sewers.

The MS4 is currently implementing BMPs to detect and eliminate illicit discharges and updating its illicit discharge ordinance. In conjunction with the public outreach and education MCM, the MS4 has established BMPs to educate all constituent groups on the dangers of illicit discharges, proper disposal of commonly dumped wastes and the reporting of illicit discharges. Training efforts related to IDDE, and other aspects of the SWQMP, are summarized in **Table C-5** in **Appendix C**.

This section of the SWQMP provides specific information on the IDDE BMPs and constitutes the IDDE Plan to be reviewed and updated per Section 4.4 (b) of the MS4GP.

<b>Illicit Discharge Ordinance Updates</b>		
<b>BMP Description</b>		
<p>The County currently maintains and enforces an illicit discharge ordinance. The illicit discharge ordinance will be reviewed and updated to meet the requirements of the MS4GP. This will include a review of enforcement procedures and update, as necessary, to make the enforcement measures effective.</p>		
<b>Measurable Goals</b>		
<p>Continue to maintain and enforce the illicit discharge ordinance. Review and update to meet the MS4's needs and the permit requirements.</p>		
<b>Responsible Entity</b>		
<p>MS4 Coordinator County Commissioner</p>		
<b>Schedule</b>		
<p>Illicit discharge ordinance will continue to be enforced. Review and update the ordinance within 730 days of NOI submittal.</p>		
<b>Forms</b>		
<p>N/A</p>		
<b>Environmental Impact</b>		
<p>The ordinance will prevent pollutants from entering the MS4 system by providing a mechanism to prohibit illicit discharges and enforce penalties.</p>		
<b>Reporting and Recordkeeping</b>		
<p>Retain a copy of the ordinance and record the status of any updates.</p> <p>Section 4.4 (k)(1) – Report status update on BMP.</p>		
<p><b>Minimum Control Measures:</b></p> <p><input type="checkbox"/> Public Education/Involvement</p> <p><input checked="" type="checkbox"/> Illicit Discharge</p> <p><input type="checkbox"/> Construction Site Control</p> <p><input type="checkbox"/> Post-Construction Site Control</p> <p><input type="checkbox"/> Municipal Operations</p>	<p><b>Permit Requirement:</b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Section 4.4 (a)</p> <p><b>Reporting:</b></p> <p>Section 4.4 (k)(1) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP</p> <p><input type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>

<b>Dry Weather Screening</b>		
<p><b><i>BMP Description</i></b>                      The MS4 will perform screenings of all outfalls during the five-year permit term. In addition, the stormwater conveyance system will also be monitored by staff to address any maintenance or illicit discharge issues. The MS4 maintains an SOP for staff to follow in performing dry weather screening.</p>		
<p><b><i>Measurable Goals</i></b>                      Develop a schedule and perform visual inspections of outfalls and screen for illicit discharges. Perform regular inspections of the stormwater conveyance by training staff to address issues.. Maintain SOP for staff to follow in performing dry weather screenings.</p>		
<p><b><i>Responsible Entity</i></b>                      MS4 Coordinator</p>		
<p><b><i>Schedule</i></b>                      Screen all outfalls per the schedule within the 5-year permit term. The stormwater system will be screened on an ongoing basis.</p>		
<p><b><i>Forms</i></b>                      Dry Weather Screening Form</p>		
<p><b><i>Environmental Impact</i></b>                      Dry weather screenings will be used to identify and eliminate illicit discharges to keep pollutants out of the MS4 system and receiving waters.</p>		
<p><b><i>Reporting and Recordkeeping</i></b>                      Document screenings and retain copies of Dry Weather Screening Forms. Retain list number and location of outfall screened, and illicit discharges detected and eliminated.</p> <p>Section 4.4 (k)(1) – Report status update on BMP.                      Section 4.4 (k)(5) – Report the number and location of dry weather outfalls screened for illicit discharges.                      Section 4.4 (k)(6) – Report the number and location of illicit discharges detected.                      Section 4.4 (k)(7) – Report the number and location of illicit discharges eliminated.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input type="checkbox"/> Public Education/Involvement  <input checked="" type="checkbox"/> Illicit Discharge  <input type="checkbox"/> Construction Site Control  <input type="checkbox"/> Post-Construction Site Control  <input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No                      Section 4.4 (b)(1) &amp; (2), (h)</p> <p><b><i>Reporting:</i></b>                      Section 4.4 (k)(5-7)                      Section 4.4 (k)(1) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP  <input type="checkbox"/> New BMP</p> <p>BMP Revision Date:                      2022</p>

<b>Industrial Facility Mapping</b>		
<b><i>BMP Description</i></b> The MS4 will continue to identify and map any active industrial facilities that discharge to an MS4 conveyance. Facility names, addresses, telephone numbers, and type of industrial activity will be recorded. The MS4 will identify and map industrial facilities within the MS4 area that discharge into an MS4 conveyance and maintain it in mapping records.		
<b><i>Measurable Goals</i></b> Locations and information on industrial facilities will be entered into County mapping the first year of the permit term.		
<b><i>Responsible Entity</i></b> MS4 Coordinator GIS Mapping Division		
<b><i>Schedule</i></b> Identify and map industrial facilities in the first year of the permit term. Information will be maintained on an as-needed basis.		
<b><i>Forms</i></b> Industrial Facilities List (Table C-9)		
<b><i>Environmental Impact</i></b> Mapping will allow the MS4 to track and eliminate illicit discharges from industrial facilities more effectively, thereby reducing pollution.		
<b><i>Reporting and Recordkeeping</i></b> Record the date that mapping is completed and the status of any updates.  Section 4.4 (k)(1) – Report status update on BMP.		
<b><i>Minimum Control Measures:</i></b> <input type="checkbox"/> Public Education/Involvement <input checked="" type="checkbox"/> Illicit Discharge <input type="checkbox"/> Construction Site Control <input type="checkbox"/> Post-Construction Site Control <input type="checkbox"/> Municipal Operations	<b><i>Permit Requirement:</i></b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Section 4.4 (b)(3)  <b><i>Reporting:</i></b> Section 4.4 (k)(1) Annual Report	<input type="checkbox"/> Current BMP <input checked="" type="checkbox"/> New BMP  BMP Revision Date:



<b>Collection of Hazardous Waste</b>		
<p><b><i>BMP Description</i></b></p> <p>The SWMD provides household hazardous waste collection for residents and business at the Columbus/Bartholomew County Recycling Center. The collection is advertised through various means including Facebook posts, their website, flyers, and the local newspaper. Brochures about Tox-Away, Adopt-a-Road, and recycling opportunities are distributed at events and available at the SWMD office.</p>		
<p><b><i>Measurable Goals</i></b></p> <p>Promote household hazardous waste collection opportunities on the website.                      Coordinate with SWMD to obtain records of number of participants and amount of material collected.                      Increase public knowledge about proper waste disposal through annual events and ongoing educational messages.</p>		
<p><b><i>Responsible Entity</i></b></p> <p>The SWMD is responsible for collection.</p> <p>The MS4 Coordinator is responsible for assisting with promotion of the events and reporting and record keeping.</p>		
<p><b><i>Schedule</i></b></p> <p>Contact the SWMD annually for reporting information. Maintain website information throughout permit term.</p>		
<p><b><i>Forms</i></b></p> <p>List of Educational Materials (Table C-3), List of Public Events (Table C-4)</p>		
<p><b><i>Environmental Impact</i></b></p> <p>Hazardous waste collection efforts promote proper disposal and keep potential pollutants from entering the MS4 system and receiving waters.</p>		
<p><b><i>Reporting and Recordkeeping</i></b></p> <p>Report the amount of material collected.</p> <p>Report efforts used to promote the programs</p> <p>Section 4.4 (k)(1) – Report status update on BMP.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input checked="" type="checkbox"/> Public Education/Involvement  <input checked="" type="checkbox"/> Illicit Discharge  <input type="checkbox"/> Construction Site Control  <input type="checkbox"/> Post-Construction Site Control  <input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No                      Section 4.4 (b) (4)</p> <p><b><i>Reporting:</i></b>                      Section 4.4 (k)(1) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP  <input type="checkbox"/> New BMP</p> <p>BMP Revision Date:                      2022</p>

<b>Illicit Discharge Detection and Elimination SOPs</b>		
<p><b><i>BMP Description</i></b></p> <p>SOPs are maintained for illicit discharge investigation, dry weather outfall screenings, and complaint tracking. These SOPs include: procedures and forms for investigating illicit discharges within two business days of being notified of the discharge, inspection requirements in response to complaints, follow-up inspections to ensure corrective actions, methods used to eliminate illicit discharges, a prioritization system, procedures for reporting immediate threats to human health or the environment, and a system to track illicit discharges. SOPs are reviewed and updated as necessary. Staff are trained on SOPs as applicable to their job functions.</p>		
<p><b><i>Measurable Goals</i></b></p> <p>Maintain SOPs for illicit discharge investigation, dry weather screening, and complaint tracking. Review the SOPs annually. Conduct training for applicable staff annually.</p>		
<p><b><i>Responsible Entity</i></b></p> <p>MS4 Coordinator</p>		
<p><b><i>Schedule</i></b></p> <p>SOPs will be reviewed annually when preparing for staff training.</p>		
<p><b><i>Forms</i></b></p> <p>Illicit Discharge Investigation Form, Dry Weather Outfall Screening Form and Complaint Tracking Form.</p>		
<p><b><i>Environmental Impact</i></b></p> <p>IDDE SOPs will be used to identify and eliminate illicit discharges to keep pollutants out of the MS4 system and receiving waters.</p>		
<p><b><i>Reporting and Recordkeeping</i></b></p> <p>Maintain copies of the SOPs. Record number of illicit discharges detected and eliminated. Maintain records of staff training.</p> <p>Section 4.4 (k)(1) – Report status update on BMP.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input type="checkbox"/> Public Education/Involvement</p> <p><input checked="" type="checkbox"/> Illicit Discharge</p> <p><input type="checkbox"/> Construction Site Control</p> <p><input type="checkbox"/> Post-Construction Site Control</p> <p><input checked="" type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Section 4.4 (b) (1) and (b) (5), 4.5 (g)</p> <p><b><i>Reporting:</i></b></p> <p>Section 4.4 (k)(1) Annual Report</p>	<p><input type="checkbox"/> Current BMP</p> <p><input checked="" type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>

<b>Develop Storm Sewer System Map</b>		
<p><b><i>BMP Description</i></b></p> <p>A storm sewer map depicting conveyances and outfall locations is maintained electronically by the County. Outfalls are identified by an alphanumeric identifier, latitude and longitude to 5 decimal places. Receiving waters are mapped and their status on the 303(d) list and/or USEPA approved Total Maximum Daily Load (TMDL) is noted, if applicable. Mapping of public and private systems is updated when new projects are accepted. Mapping of additional outfalls and conveyances are added as they are identified. Mapping of high priority areas will be completed in the first year of the permit term based on complaints, illicit discharges, land use, and other issues and updated as needed.</p>		
<p><b><i>Measurable Goals</i></b></p> <p>Maintain storm sewer and outfall mapping.                      Map outfalls and conveyances as they are identified.                      Notate high priority areas based on complaints, illicit discharges, and other issues.</p>		
<p><b><i>Responsible Entity</i></b></p> <p>MS4 Coordinator                      GIS Mapping Division</p>		
<p><b><i>Schedule</i></b></p> <p>Complete mapping of all outfalls and conveyance systems within the 5-year permit term. Identify and map high priority areas in the first year of the permit term. Review mapping annually.</p>		
<p><b><i>Forms</i></b></p> <p>N/A</p>		
<p><b><i>Environmental Impact</i></b></p> <p>Mapping will allow the MS4 to track and eliminate illicit discharges from more effectively, thereby reducing pollution.</p>		
<p><b><i>Reporting and Recordkeeping</i></b></p> <p>The mapping is ongoing and is part of the County GIS system. Record the status of maintaining the database, the total number of outfalls, the number of outfalls added to the database, and the status of including high priority areas.</p> <p>Section 4.4 (k)(1) – Report status update on BMP.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input type="checkbox"/> Public Education/Involvement  <input checked="" type="checkbox"/> Illicit Discharge  <input type="checkbox"/> Construction Site Control  <input type="checkbox"/> Post-Construction Site Control  <input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No                      Section 4.4 (d-f)</p> <p><b><i>Reporting:</i></b>                      Section 4.4 (k)(1) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP  <input type="checkbox"/> New BMP</p> <p>BMP Revision Date:</p>

<b>IDDE Training for MS4 Staff</b>		
<p><b><i>BMP Description</i></b></p> <p>The MS4 shall provide the required hours of education annually to appropriate municipal staff on stormwater pollution prevention, good housekeeping practices for municipal operations, and illicit discharge detection and elimination. Additional training on SOPs will be included annually. Training will be conducted using videos, individual training materials, and multi-departmental meetings. Training topics are maintained in a training matrix (Table C-5) which will be updated to reflect MS4GP permit requirements and MS4 staff training needs.</p>		
<p><b><i>Measurable Goals</i></b></p> <p>Develop training topics based upon review of current practices. Provide the required number of hours of education for applicable staff members annually.</p>		
<p><b><i>Responsible Entity</i></b></p> <p>MS4 Coordinator</p>		
<p><b><i>Schedule</i></b></p> <p>Provide training on IDDE to applicable staff members:</p> <ul style="list-style-type: none"> <li>• Within 180 days of submitting an updated SWQMP (360 days after permit coverage) and</li> <li>• Annually thereafter, starting the second year of the permit term.</li> <li>• Within two months of their hire date</li> <li>• Within 30 days of their hire date for seasonal employees.</li> </ul>		
<p><b><i>Forms</i></b></p> <p>Training Matrix (Table C-5)</p>		
<p><b><i>Environmental Impact</i></b></p> <p>Training allow staff to track and eliminate illicit discharges, and monitor the storm sewer system, thereby reducing pollution.</p>		
<p><b><i>Reporting and Recordkeeping</i></b></p> <p>Training will be documented by recording the name and title of participating employee(s), date of training and a description of training provided.</p> <p>Section 4.4 (k)(1) – Report status update on BMP.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input checked="" type="checkbox"/> Public Education/Involvement</p> <p><input checked="" type="checkbox"/> Illicit Discharge</p> <p><input type="checkbox"/> Construction Site Control</p> <p><input type="checkbox"/> Post-Construction Site Control</p> <p><input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Sections 4.4 (g) and 4.7 (m)</p> <p><b><i>Reporting:</i></b></p> <p>Section 4.4 (k)(1) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP</p> <p><input type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>

<b>Review of CSOOP and LTCP</b>		
<p><b><i>BMP Description</i></b>                      Bartholomew County does not have any combined sewers and does not have a Combined Sewer Overflow Plan or Long Term Control Plan</p>		
<p><b><i>Measurable Goals</i></b>                      N/A</p>		
<p><b><i>Responsible Entity</i></b>                      N/A</p>		
<p><b><i>Schedule</i></b>                      N/A</p>		
<p><b><i>Forms</i></b>                      N/A</p>		
<p><b><i>Environmental Impact</i></b>                      N/A</p>		
<p><b><i>Reporting and Recordkeeping</i></b>                      Document that this BMP is not applicable in MS4 Annual Reports.                       Section 4.4 (k)(1) – Report status update on BMP.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input type="checkbox"/> Public Education/Involvement</p> <p><input checked="" type="checkbox"/> Illicit Discharge</p> <p><input type="checkbox"/> Construction Site Control</p> <p><input type="checkbox"/> Post-Construction Site Control</p> <p><input checked="" type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Section 4.4 (j)</p> <p><b><i>Reporting:</i></b></p> <p>Section 4.4 (k)(1) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP</p> <p><input type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>

<b>Review of Receiving Water TMDLs</b>		
<b><i>BMP Description</i></b> The MS4 does not have any receiving waters with a USEPA approved TMDL. The Driftwood River and Clifty Creek are on the 303(d) list for <i>E. coli</i> . Bartholomew County will continue to implement BMPs to minimize the potential for pollutants in receiving waters through the six minimum control measures. The MS4 will continue to review the lists each permit term and update the SWQMP and WQCR accordingly.		
<b><i>Measurable Goals</i></b> Review the USEPA approved TMDLs and 303(d) lists at the beginning of each permit term. Add information to SWQMP and WQCR and update BMPs accordingly.		
<b><i>Responsible Entity</i></b> MS4 Coordinator		
<b><i>Schedule</i></b> In the first year of each permit term, review the USEPA approved TMDLs and Indiana 303(d) list and incorporate into the SWQMP and WQCR as needed.		
<b><i>Forms</i></b> N/A		
<b><i>Environmental Impact</i></b> To better target BMPs, the MS4 will incorporate TMDL and 303(d) list information into its SWQMP and WQCR.		
<b><i>Reporting and Recordkeeping</i></b> Document review of TMDL and 303(d) information each permit term and update SWQMP and WQCR accordingly.  Section 4.4 (k)(1) – Report status update on BMP.		
<b><i>Minimum Control Measures:</i></b> <input type="checkbox"/> Public Education/Involvement <input checked="" type="checkbox"/> Illicit Discharge <input type="checkbox"/> Construction Site Control <input type="checkbox"/> Post-Construction Site Control <input type="checkbox"/> Municipal Operations	<b><i>Permit Requirement:</i></b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Section 3.1, 4.1 (h), 4.4 (e) (3), and 5.1  <b><i>Reporting:</i></b> Section 4.4 (k)(1) Annual Report Section 8.1 (a)(7) TMDL	<input type="checkbox"/> Current BMP <input checked="" type="checkbox"/> New BMP  BMP Revision Date:

### 3.3 Construction Site Stormwater Run-Off

Sediment loss and erosion from construction sites is a main contributor to stormwater pollution. This pollution source can be minimized through the installation of structural BMPs during development and the implementation of nonstructural BMPs. In order to enforce these BMPs and address construction site runoff concerns, the County has established a Soil Erosion and Sedimentation Control Ordinance. Stormwater pollution control standards are incorporated by reference to support the ordinance. The ordinance and related standards are in the process of being updated to adhere to the requirements of the Construction Stormwater General Permit (CSGP). The County will also be required to follow applicable requirements regarding qualifying projects owned by the MS4. Projects owned by the County shall have its plans reviewed by the SWCD or IDEM. Training efforts related to construction site stormwater run-off, and other aspects of the SWQMP, are summarized in **Table C-5** in **Appendix C**.

In accordance with the MS4GP, construction site plan review, inspection, and enforcement for projects with a land disturbance greater than or equal to one acre is the responsibility of the MS4. The County is responsible for construction site plan review, inspection, and enforcement and maintains an inventory of permitted construction projects according to **Table C-6**.

In conjunction with the public education and outreach MCM, the County will implement BMPs to solicit and receive public complaints and inquiries regarding construction sites. In conjunction with the illicit discharge MCM, the County will implement BMPs to investigate and track public inquiries and potential illicit discharges, including those resulting from construction activity. Specific information regarding the Construction Site Stormwater Runoff Control BMPs is included in the following BMP detail sheets.

<b>Construction Stormwater Ordinance and Standards</b>		
<p><b><i>BMP Description</i></b></p> <p>The MS4 currently maintains and enforces a Soil Erosion and Sedimentation Control Ordinance. The MS4 will review the Stormwater Management Ordinance language for needed updates and to ensure compliance with new Construction Stormwater General Permit (CSGP) and MS4 General Permit (MS4GP) Requirements. The ordinance will include following:</p> <ul style="list-style-type: none"> <li>• Regulate projects with a land disturbance greater than or equal to one acre, or disturbances of less than one acre of land that are part of a larger common plan or development or sale when the larger common plan will ultimately disturb one or more acres.</li> <li>• Contains the requirements of the CSGP apart from state permitting process references and submittal deadlines for construction plans and permit applications.</li> <li>• Establish a requirement that any project within the MS4 area that meets the applicability of the CSGP must submit a NOI to obtain permit coverage from IDEM in addition to any procedural requirements.</li> <li>• Develop and/or adopt written standards and specifications for the implementation of stormwater quality measures on construction sites.</li> </ul>		
<p><b><i>Measurable Goals</i></b></p> <p>Develop and implement an ordinance that is consistent with the requirements of the MS4GP and CSGP. Review ordinance and standards annually and revise as appropriate.</p>		
<p><b><i>Responsible Entity</i></b></p> <p>MS4 Coordinator County Commissioners</p>		
<p><b><i>Schedule</i></b></p> <p>Complete ordinance revisions within 730 days of permit coverage. Review the ordinance and standards annually.</p>		
<p><b><i>Forms</i></b></p> <p>N/A</p>		
<p><b><i>Environmental Impact</i></b></p> <p>Establishes regulatory mechanism and construction stormwater standards aimed at to reducing sediment loss/migration and preventing other construction site stormwater pollutants from impacting MS4 stormwater conveyances.</p>		
<p><b><i>Reporting and Recordkeeping</i></b></p> <p>Record reviews and revisions of the ordinance and standards within MS4GP Annual Report.</p> <p>Section 4.5 (m)(1) – Report status update on BMP and the date of any ordinance or standards revisions.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input type="checkbox"/> Public Education/Involvement</p> <p><input type="checkbox"/> Illicit Discharge</p> <p><input checked="" type="checkbox"/> Construction Site Control</p> <p><input checked="" type="checkbox"/> Post-Construction Site Control</p> <p><input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Section 4.5 (b) (1-3), (e), (f) and (i)</p> <p><b><i>Reporting:</i></b></p> <p>Section 4.5 (m)(1) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP</p> <p><input type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>



<b>Construction Stormwater Plan Review</b>		
<p><b><i>BMP Description</i></b>                      CSGP submittals are submitted to the Bartholomew County SWCD and are reviewed by a consultant. The plan review includes an evaluation of the submittal for compliance with the CSGP, MS4GP, ordinance, and standards and is documented on IDEM’s form. Deficiencies identified during plan review are to be resolved prior to plan approval and NOI submittal.</p>		
<p><b><i>Measurable Goals</i></b>                      Review construction projects under the CSGP.                      Maintain SOPs for the plan review process.</p>		
<p><b><i>Responsible Entity</i></b>                      MS4 Coordinator                      MS4’s Consultant</p>		
<p><b><i>Schedule</i></b>                      CSGP submittals are to be reviewed within ten business days of receipt for projects with less than 5 acres of soil disturbance and within fourteen businesses days for projects with greater than 5 acres or soil disturbance. Review plan review process and SOPs annually and update as needed.</p>		
<p><b><i>Forms</i></b>                      IDEM Construction/Stormwater Pollution Prevention Plan Technical Review and Comment form                      CSGP Project Inventory (Table C-6)</p>		
<p><b><i>Environmental Impact</i></b>                      Reduction of sediment loss/migration and prevention of other construction site stormwater pollutants from impacting MS4 stormwater conveyances.</p>		
<p><b><i>Reporting and Recordkeeping</i></b>                      Record reviews and revisions of the plan review SOPs.                      Record the number of construction sites reviewed by the MS4.                       Section 4.5 (m)(1) – Report status update on BMP and reviews/revisions to SOPs                      Section 4.5 (m)(3) – Report the number of construction sites obtaining MS4 approval for the CSGP.</p>		
<p><b><i>Minimum Control Measures:</i></b>  <input type="checkbox"/> Public Education/Involvement  <input type="checkbox"/> Illicit Discharge  <input checked="" type="checkbox"/> Construction Site Control  <input checked="" type="checkbox"/> Post-Construction Site Control  <input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No                      Section 4.5 (c) (1-2), (i)   <b><i>Reporting:</i></b>                      Section 4.5 (m)(1) and (3) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP  <input type="checkbox"/> New BMP                       BMP Revision Date:                      2022</p>

<b>CSGP Compliance for MS4 Owned Projects</b>		
<p><b>BMP Description</b>                      MS4 owned and/or operated projects are to comply with the County’s Soil Erosion and Sedimentation Control Ordinance and CSGP requirements by submitting construction plans and SWPPPs to the SWCD or IDEM. The County maintains an SOP for this process. The County will comply with requirements of the CSGP and MS4GP. The County strictly enforces project self-monitoring.</p>		
<p><b>Measurable Goals</b>                      Submit all CSGP qualifying construction projects for plan review.                      Maintain an SOP for CSGP submittals across all MS4 departments.</p>		
<p><b>Responsible Entity</b>                      MS4 Coordinator</p>		
<p><b>Schedule</b>                      CSGP review will be completed as needed for MS4 owned projects. Review MS4-owned CSGP submittal process and SOP annually and update as needed.</p>		
<p><b>Forms</b>                      CSGP Project Inventory (Table C-6)</p>		
<p><b>Environmental Impact</b>                      Reduction of sediment loss/migration and prevention of other construction site stormwater pollutants from impacting MS4 stormwater conveyances for MS4 owned and/or operated projects.</p>		
<p><b>Reporting and Recordkeeping</b>                      Maintain all MS4’s CSGP submittal documents. Record each construction project owned and/or operated by the MS4.</p> <p>Section 4.5 (m)(1) – Report status update on BMP and reviews/revisions to SOPs.                      Section 4.5 (m)(3) - Report the number of active construction projects owned and/or operated by the MS4 active when the Annual Report is submitted.</p>		
<p><b>Minimum Control Measures:</b></p> <p><input type="checkbox"/> Public Education/Involvement  <input type="checkbox"/> Illicit Discharge  <input checked="" type="checkbox"/> Construction Site Control  <input type="checkbox"/> Post-Construction Site Control  <input type="checkbox"/> Municipal Operations</p>	<p><b>Permit Requirement:</b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No                      Section 4.5 (k) and (i)</p> <p><b>Reporting:</b>                      Section 4.5 (m)(1) and (3) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP  <input type="checkbox"/> New BMP</p> <p>BMP Revision Date:                      2022</p>

<b>Construction Priority Sites</b>		
<p><b><i>BMP Description</i></b>                      As construction plans are submitted for review, identify priority sites for inspection based on the nature and extent of the construction activity, topography, threat to the degradation of water quality, characteristics of soils, complaints, and other factors as determined by MS4 priorities. Priority designation is recorded on the IDEM form during plan review. All identified priority sites are to be inspected biannually.</p>		
<p><b><i>Measurable Goals</i></b>                      Evaluate all qualifying construction projects for priority during the plan review process. Include the identification of priority sites in the plan review process SOP.</p>		
<p><b><i>Responsible Entity</i></b>                      MS4 Coordinator                      MS4's Consultant</p>		
<p><b><i>Schedule</i></b>                      Qualifying construction sites will be evaluated according to priority as construction plans are received by the MS4.</p>		
<p><b><i>Forms</i></b>                      IDEM Construction/Stormwater Pollution Prevention Plan Technical Review and Comment form                      CSGP Project Inventory (Table C-6)</p>		
<p><b><i>Environmental Impact</i></b>                      Construction activities within and/or directly adjacent to sensitive natural resources will receive priority designation for inspection.</p>		
<p><b><i>Reporting and Recordkeeping</i></b>                      Record the number of construction projects designated as a priority each year.                       Section 4.5 (m)(1) – Report status update on BMP.</p>		
<p><b><i>Minimum Control Measures:</i></b>  <input type="checkbox"/> Public Education/Involvement  <input type="checkbox"/> Illicit Discharge  <input checked="" type="checkbox"/> Construction Site Control  <input type="checkbox"/> Post-Construction Site Control  <input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No                      Section 4.5 (d) (2)   <b><i>Reporting:</i></b>                      Section 4.5 (m)(1) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP  <input type="checkbox"/> New BMP                       BMP Revision Date:                      2022</p>

<b>Construction Site Inspections</b>		
<p><b>BMP Description</b></p> <p>Bartholomew County SWCD or their consultant conduct construction stormwater inspections to ensure stormwater quality measures are properly installed and maintained. At a minimum these inspections: use a form or checklist, identify method to notify of compliance status, and identify priority sites. Inspections are tracked with a CSGP Project Inventory (Table C-6). Sites that are out of compliance have follow-up inspections and/or action as identified in the MS4’s policy and procedures to enforce the local ordinance.</p>		
<p><b>Measurable Goals</b></p> <p>Complete construction site inspections per required frequency. Develop and maintain SOPs for inspections.</p>		
<p><b>Responsible Entity</b></p> <p>MS4 Coordinator MS4’s Consultant</p>		
<p><b>Schedule</b></p> <p>Review inspection SOP annually and update as needed. The frequency of inspections, at minimum, are as follows:</p> <ul style="list-style-type: none"> <li>• All new sites are inspected at least once during the initial phase of construction that includes the installation of infrastructure (grading, roads, and utilities).</li> <li>• All active construction sites with land-disturbing activities of five (5) acres or more and priority sites are inspected biannually.</li> <li>• Fifty percent of active construction sites with land-disturbing activities of less than five (5) acres, but at least one acre are inspected annually.</li> <li>• Inspections are completed to follow up on all complaints that are received and follow-up inspections are conducted for sites that have violations of the local ordinance. Follow-up inspections are required until violations are resolved.</li> </ul>		
<p><b>Forms</b></p> <p>Construction Stormwater Inspection Form and CSGP Project Inventory (Table C-6)</p>		
<p><b>Environmental Impact</b></p> <p>Reduction of sediment loss/migration and prevention of other construction site stormwater pollutants from impacting MS4 stormwater conveyances.</p>		
<p><b>Reporting and Recordkeeping</b></p> <p>Document all construction site inspections and enforcement actions on the form. Record the number of construction sites inspected annually. Section 4.5 (m)(1) – Report status update on BMP and reviews/revisions to SOPs. Section 4.5 (m)(4) – Report the number of construction sites inspected.</p>		
<p><b>Minimum Control Measures:</b></p> <p><input type="checkbox"/> Public Education/Involvement <input type="checkbox"/> Illicit Discharge <input checked="" type="checkbox"/> Construction Site Control <input type="checkbox"/> Post-Construction Site Control <input type="checkbox"/> Municipal Operations</p>	<p><b>Permit Requirement:</b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No Section 4.5 (d) (1) and (3) and (i)</p> <p><b>Reporting:</b> Section 4.5 (m)(1) &amp; (4) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP <input type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>

<b>Construction Enforcement</b>		
<p><b><i>BMP Description</i></b></p> <p>The County has developed policies and procedures to enforce the construction stormwater ordinance including compliance and escalating enforcement actions. Enforcement actions, depending on the level of severity of violation, may include any of the following: warning letters of noncompliance, required corrective actions, failure to correct noncompliance, violation notices, assessment of penalties, and stop work orders.</p>		
<p><b><i>Measurable Goals</i></b></p> <p>Develop and maintain SOP(s) for enforcement actions. Document non-compliance and enforcement actions on the inspection form.</p>		
<p><b><i>Responsible Entity</i></b></p> <p>MS4 Coordinator Code Enforcement</p>		
<p><b><i>Schedule</i></b></p> <p>Review enforcement SOP annually and update as needed. Enforcement actions are taken as appropriate.</p>		
<p><b><i>Forms</i></b></p> <p>Construction Stormwater Inspection Form CSGP Project Inventory (Table C-6)</p>		
<p><b><i>Environmental Impact</i></b></p> <p>Enforcement promotes the correct use of BMPs on construction sites and reduces the potential for pollutants to enter receiving waters.</p>		
<p><b><i>Reporting and Recordkeeping</i></b></p> <p>Maintain inspection forms documenting non-compliance issues. Maintain all correspondence related to an enforcement action. Record the number and type of enforcement actions taken each year.</p> <p>Section 4.5 (m)(1) – Report status update on BMP and reviews/revisions to SOPs. Section 4.5 (m)(5) – Report the number and type of enforcement actions taken each year.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input type="checkbox"/> Public Education/Involvement <input type="checkbox"/> Illicit Discharge <input checked="" type="checkbox"/> Construction Site Control <input type="checkbox"/> Post-Construction Site Control <input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No Section 4.5 (e) and (i)</p> <p><b><i>Reporting:</i></b> Section 4.5 (m)(1) and (5) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP <input type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>

<b>Construction Stormwater Project Inventory</b>		
<p><b><i>BMP Description</i></b></p> <p>The County SWCD maintains an inventory of all construction site projects subject to the CSGP and ordinance, and those that are owned and/or operated by the MS4. The following information is tracked: project name, latitude/longitude or address, receiving water(s), project start date, project status, and compliance status/enforcement actions.</p> <p>Upon notification by IDEM, the MS4 will produce the inventory within 48 hours of notification or on a regular schedule as designated by IDEM, but no more frequently than monthly.</p>		
<p><b><i>Measurable Goals</i></b></p> <p>Track all CSGP construction sites, activities, and compliance status</p>		
<p><b><i>Responsible Entity</i></b></p> <p>MS4 Coordinator MS4's Consultant</p>		
<p><b><i>Schedule</i></b></p> <p>Update inventory at least monthly.</p>		
<p><b><i>Forms</i></b></p> <p>CSGP Project Inventory (Table C-6)</p>		
<p><b><i>Environmental Impact</i></b></p> <p>Maintaining inspection and compliance records promotes BMPs on construction sites and reduce the potential for pollutants to enter receiving waters.</p>		
<p><b><i>Reporting and Recordkeeping</i></b></p> <p>Maintain the inventory record and use for Annual Reporting.</p> <ul style="list-style-type: none"> <li>• The number of active construction projects owned and/or operated by the MS4.</li> <li>• The number of construction sites obtaining a MS4-issued stormwater run-off permit.</li> <li>• The number of construction sites inspected.</li> <li>• The number and type of enforcement actions taken.</li> </ul> <p>Section 4.5 (m)(1) – Report status update on BMP.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input type="checkbox"/> Public Education/Involvement</p> <p><input type="checkbox"/> Illicit Discharge</p> <p><input checked="" type="checkbox"/> Construction Site Control</p> <p><input checked="" type="checkbox"/> Post-Construction Site Control</p> <p><input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Section 4.5 (l)</p> <p><b><i>Reporting:</i></b></p> <p>Section 4.5 (m)(1) Annual Report</p>	<p><input type="checkbox"/> Current BMP</p> <p><input checked="" type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>

<b>Construction Training for Inspection, Plan Review and Enforcement</b>		
<p><b><i>BMP Description</i></b></p> <p>The County completes and documents annual training attended by MS4 staff and/or contractual staff that are specific to their responsibility (e.g., plan review, inspection, compliance, and enforcement) the individual performs for the MS4. Documentation must include:</p> <ul style="list-style-type: none"> <li>• Responsibility of staff member.</li> <li>• Dates and types of training attended.</li> <li>• List of professional certifications MS4 staff have obtained or maintain.</li> </ul>		
<p><b><i>Measurable Goals</i></b></p> <p>Increase plan reviewer and construction inspector knowledge by receiving annual training.</p>		
<p><b><i>Responsible Entity</i></b></p> <p>MS4 Coordinator MS4's Consultant</p>		
<p><b><i>Schedule</i></b></p> <p>Annual training.</p>		
<p><b><i>Forms</i></b></p> <p>Training Matrix (Table C-5)</p>		
<p><b><i>Environmental Impact</i></b></p> <p>Improve water quality by training personnel on proper management of construction BMPs.</p>		
<p><b><i>Reporting and Recordkeeping</i></b></p> <p>Track completed training by MS4 staff. Contractual staff retain documentation of annual construction stormwater training specific to the responsibility the individual performs for the MS4 entity. Annual training completed according to the employees' certifications.</p> <p>Section 4.5 (m)(1) – Report status update on BMP.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input type="checkbox"/> Public Education/Involvement</p> <p><input type="checkbox"/> Illicit Discharge</p> <p><input checked="" type="checkbox"/> Construction Site Control</p> <p><input checked="" type="checkbox"/> Post-Construction Site Control</p> <p><input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Section 4.1 (d) and 4.5 (j)</p> <p><b><i>Reporting:</i></b></p> <p>Section 4.5 (m)(1) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP</p> <p><input type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>

### 3.4 Post-Construction Stormwater Run-Off

The purpose of the Post Construction Stormwater Run-off Control MCM is to develop and implement a comprehensive program to address long-term stormwater quality for discharges from new development and redevelopment within the MS4.

Bartholomew County will require developers and designers to plan for the minimization of pollutants in stormwater discharges on the project property, which is more effective and cost efficient than reducing the discharge of pollutants after the discharge enters the MS4 drainage system or flow to a receiving water.

In accordance with the MS4 General Permit, the MS4 must do the following:

1. Adopt an ordinance and provide for enforcement of the ordinance
2. Develop standards to address the quality and quantity of stormwater discharges
3. Register Class V injection wells within the MS4 area
4. Regulate infiltration practices in wellhead protection areas
5. Regulate direct discharges to karst features
6. Require long-term operation and maintenance of post-construction measures
7. Inspect post-construction measures
8. Receive and address complaints
9. Provide training for plan reviewers, inspectors and compliance officers

Training efforts related to post-construction, and other aspects of the SWQMP, are summarized in **Table C-5** in **Appendix C**.

Post-Construction Site Stormwater Run-off Control BMPs are included in the following BMP detail sheets.



<b>Post-Construction Stormwater Ordinance and Standards</b>		
<p><b><i>BMP Description</i></b>                      The County will review and update an ordinance and standards to include the requirements of the MS4GP that contains:</p> <ol style="list-style-type: none"> <li>1. Regulate land disturbance of 1 acre or more and areas less than 1 acre that are part of a larger plan of development</li> <li>2. Require plans to be reviewed and approved by the MS4</li> <li>3. Regulate all gas stations and fueling areas regardless of amount of disturbance</li> <li>4. Develop standards for the design of stormwater detention and water quality treatment</li> <li>5. Develop list of measures and standards to include structural and non-structural practices as well as low impact and green infrastructure principals</li> <li>6. Require pretreatment for infiltration practices or direct discharges to groundwater in wellhead protection areas and karst features</li> <li>7. Require the owner of the BMP to have a written Operation and Maintenance (O&amp;M) Manual to inspect and maintain stormwater practices for proper function</li> <li>8. Include inspection and enforcement authority</li> </ol>		
<p><b><i>Measurable Goals</i></b>                      Adopt the ordinance to require the implementation of water quality practices for land disturbances.</p>		
<p><b><i>Responsible Entity</i></b>                      MS4 Coordinator                      County Commissioners</p>		
<p><b><i>Schedule</i></b>                      Complete ordinance revisions within 730 days of permit coverage. Review the ordinance and standards annually.</p>		
<p><b><i>Forms</i></b>                      N/A</p>		
<p><b><i>Environmental Impact</i></b>                      Control the flow rate and improve water quality of stormwater run-off.</p>		
<p><b><i>Reporting and Recordkeeping</i></b>                      Annually review ordinance and standards.                      Record reviews and any revisions of the ordinance and standards.                       Section 4.6 (j)(1) – Report status update on BMP and the review date of the ordinance or standards and any revisions.</p>		
<p><b><i>Minimum Control Measures:</i></b>  <input type="checkbox"/> Public Education/Involvement  <input type="checkbox"/> Illicit Discharge  <input type="checkbox"/> Construction Site Control  <input checked="" type="checkbox"/> Post-Construction Site Control  <input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No                      Section 4.5 (f), 4.6 (b), (c)(1) - (5), and (d)                      Section 4.6 (h)   <b><i>Reporting:</i></b>                      Section 4.6 (j)(1) and (2) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP  <input type="checkbox"/> New BMP                       BMP Revision Date:                      2022</p>

<b>Post-Construction Plan Review</b>		
<p><b><i>BMP Description</i></b>                      The post-construction plan review process is incorporated into the Construction Stormwater Plan Review BMP, process, and SOPs.</p> <p>SWPPPs for approval are submitted to Bartholomew County. The plan reviewer evaluates the submittal in accordance with the CSGP, MS4GP, ordinance, and standards. The plan review is documented on IDEM’s form. Deficiencies identified during plan review are resolved prior to plan approval and NOI submittal.</p>		
<p><b><i>Measurable Goals</i></b>                      Review construction plans under the CSGP.                      Maintain SOPs for the plan review process.</p>		
<p><b><i>Responsible Entity</i></b>                      MS4 Coordinator                      MS4’s Consultant</p>		
<p><b><i>Schedule</i></b>                      CSGP submittals are to be reviewed within ten business days of receipt for projects with less than 5 acres of soil disturbance and within fourteen businesses days for projects with greater than 5 acres or soil disturbance. Review plan review process and SOPs annually and update as needed.</p>		
<p><b><i>Forms</i></b>                      IDEM Construction/Stormwater Pollution Prevention Plan Technical Review and Comment form                      CSGP Project Inventory (Table C-6)</p>		
<p><b><i>Environmental Impact</i></b>                      Water quality of stormwater run-off will be improved by ensuring that all plans meeting the applicability requirements are reviewed according to the post-construction ordinance and standards.</p>		
<p><b><i>Reporting and Recordkeeping</i></b>                      Record the number of plan reviews with post-construction controls.                      Record the number, type and location of post-construction measures installed(Table C-6).</p> <p>Section 4.6 (j)(1) – Report status update on BMP and reviews/revisions to SOPs.                      Section 4.6 (j)(3) – Report the number of sites requiring post-construction controls.                      Section 4.7 (j)(4) – Report the number, type and location of post-construction measures installed.</p>		
<p><b><i>Minimum Control Measures:</i></b>  <input type="checkbox"/> Public Education/Involvement  <input type="checkbox"/> Illicit Discharge  <input type="checkbox"/> Construction Site Control  <input checked="" type="checkbox"/> Post-Construction Site Control  <input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No                      Section 4.5 (c), 4.6 (h)</p> <p><b><i>Reporting:</i></b>                      Section 4.6 (j)(1), (3) and (4) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP  <input type="checkbox"/> New BMP</p> <p>BMP Revision Date:                      2022</p>

<b>Post-Construction Inspections (MS4-Owned)</b>		
<p><b><i>BMP Description</i></b>                      MS4-owned structural BMPs are inspected to determine if they are maintained and functioning properly annually or in response to a complaint or issue. The County does not currently own any structural BMPs, but will follow this BMP should any be identified or constructed.</p>		
<p><b><i>Measurable Goals</i></b>                      Develop and maintain an O&amp;M Manual for MS4-owned BMPs.                      Develop and maintain SOPs for inspections.                      Complete post-construction inspections for MS4-owned BMPs per the schedule.</p>		
<p><b><i>Responsible Entity</i></b>                      MS4 Coordinator</p>		
<p><b><i>Schedule</i></b>                      Review inspection SOP annually and update as needed. Perform maintenance as needed per O&amp;M Manual schedule. Inspection frequency is as follows:</p> <ul style="list-style-type: none"> <li>• Inspect all MS4-owned BMPs at least once in the 5-year permit term.</li> <li>• Inspect MS4-owned BMPs more frequently than 5 years if specified in the O&amp;M Manual.</li> <li>• Inspect a BMP if a complaint is received.</li> </ul>		
<p><b><i>Forms</i></b>                      Post-Construction BMP Inspection Form</p>		
<p><b><i>Environmental Impact</i></b>                      Improve water quality by ensuring post-construction BMPs are functioning through inspections.</p>		
<p><b><i>Reporting and Recordkeeping</i></b>                      Track/record the number, type, and location of BMPs installed, inspected and/or modified to function properly or improve stormwater quality.</p> <p>Section 4.6 (j)(1) – Report status update on BMP and reviews/revisions to SOPs.                      Section 4.6 (j)(5) – Report the number, type, and location of structural BMPs modified.                      Section 4.6 (j)(6) – Report the number, type, and location of structural BMPs inspected.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input type="checkbox"/> Public Education/Involvement  <input type="checkbox"/> Illicit Discharge  <input type="checkbox"/> Construction Site Control  <input checked="" type="checkbox"/> Post-Construction Site Control  <input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No                      Section 4.6 (d), (e), (f)(1), (2) &amp; (4), and (h)</p> <p><b><i>Reporting:</i></b>                      Section 4.7 (j)(1), (5) &amp; (6) Annual Report</p>	<p><input type="checkbox"/> Current BMP  <input checked="" type="checkbox"/> New BMP</p> <p>BMP Revision Date:                      2022</p>

<b>Post-Construction Inspections (Privately-Owned)</b>		
<p><b><i>BMP Description</i></b></p> <p>The MS4 inspects all privately-owned/operated post-construction structural BMPs at least once per permit term to ensure the practices are maintained and operating as designed per the O&amp;M Manual submitted for the measure(s). The MS4 maintains an SOP and an inspection form/checklist that documents corrective actions.</p>		
<p><b><i>Measurable Goals</i></b></p> <p>Maintain the submitted private-BMP's O&amp;M Manuals. Develop and maintain SOPs for inspections by the MS4. Complete inspections for private-BMPs immediately after construction. Complete routine inspections for private-BMPs per schedule.</p>		
<p><b><i>Responsible Entity</i></b></p> <p>MS4 Coordinator</p>		
<p><b><i>Schedule</i></b></p> <p>Review inspection SOP annually and update as needed. Inspection frequency is as follows:</p> <ul style="list-style-type: none"> <li>• Inspect new private BMPs after construction is completed.</li> <li>• Inspect all private BMPs once in the 5-year permit term. MS4 may cap the number of inspections at 250 per 5-year term and prioritize and inspection the remaining private-BMPs in the next permit cycle.</li> <li>• Inspect complaints for private BMPs.</li> </ul>		
<p><b><i>Forms</i></b></p> <p>Post-Construction BMP Inspection Form</p>		
<p><b><i>Environmental Impact</i></b></p> <p>Improve water quality by ensuring post-construction BMPs are functioning through inspections.</p>		
<p><b><i>Reporting and Recordkeeping</i></b></p> <p>Complete inspections and maintain copies of inspection forms. Track/record the number, type, and location of private-BMPs inspected.</p> <p>Section 4.6 (j)(1) – Report status update on BMP and reviews/revisions to SOPs. Section 4.6 (j)(6) – Report the number, type, and location of structural BMPs inspected.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input type="checkbox"/> Public Education/Involvement</p> <p><input type="checkbox"/> Illicit Discharge</p> <p><input type="checkbox"/> Construction Site Control</p> <p><input checked="" type="checkbox"/> Post-Construction Site Control</p> <p><input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Section 4.6 (d), (e), (f) (1), (3) &amp; (4), and (h)</p> <p><b><i>Reporting:</i></b></p> <p>Section 4.6 (j)(1) and (6) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP</p> <p><input type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>

<b>Post-Construction Training for Inspection, Plan Review and Enforcement</b>		
<p><b><i>BMP Description</i></b>                      The County completes and documents annual training attended by MS4 staff and/or contractual staff that is specific to the responsibility (i.e., plan review, inspection, compliance, and enforcement) the individual performs. Documentation includes the following:</p> <ul style="list-style-type: none"> <li>• Responsibility of staff member.</li> <li>• Dates and types of training attended.</li> <li>• List of professional certifications MS4 staff have obtained or maintain.</li> </ul>		
<p><b><i>Measurable Goals</i></b>                      Increase plan reviewer and inspector knowledge by receiving annual training.</p>		
<p><b><i>Responsible Entity</i></b>                      MS4 Coordinator                      MS4's Consultant</p>		
<p><b><i>Schedule</i></b>                      Training is completed annually.</p>		
<p><b><i>Forms</i></b>                      Training Matrix (Table C-5)</p>		
<p><b><i>Environmental Impact</i></b>                      Improve water quality by training personnel on proper management of post-construction BMPs.</p>		
<p><b><i>Reporting and Recordkeeping</i></b>                      Track completed training by MS4 staff. Contractual staff retain documentation of annual construction stormwater training specific to the responsibility the individual performs for the MS4 entity.</p> <p>Section 4.6 (j)(1) – Report status update on BMP.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input type="checkbox"/> Public Education/Involvement</p> <p><input type="checkbox"/> Illicit Discharge</p> <p><input type="checkbox"/> Construction Site Control</p> <p><input checked="" type="checkbox"/> Post-Construction Site Control</p> <p><input type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Section 4.6 (i)</p> <p><b><i>Reporting:</i></b>                      Section 4.6 (j)(1) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP</p> <p><input type="checkbox"/> New BMP</p> <p>BMP Revision Date:                      2022</p>

### 3.5 Municipal Operations Pollution Prevention & Good Housekeeping

The purpose of the Municipal Operations Pollution Prevention and Good Housekeeping MCM is to prevent or reduce pollutant run-off from municipal operations within the MS4. This program will address stormwater discharges from MS4 activities through municipal employee education, proper municipal operations, and maintenance. This MCM incorporates the BMPs in this section to reduce floatables and other pollutants from discharging into the storm sewer systems.

The stormwater systems are maintained by various departments of the MS4. Each BMP in this section identifies the Responsible Entity for each MS4 for implementation. The Stormwater Infrastructure O&M Plan is comprised of the BMPS, SOPs, schedules, disposal methods, and documentation of activities identified in Section 4.7 (g) (1) and (2). The BMPs in the O&M Plan include:

- Periodic Litter Collection
- Structure/Catch Basin Cleaning
- Roadside Shoulder and Ditch Stabilization
- Roadside Vegetation
- Remediation of Outfall Scouring
- Repairing Stormwater Conveyances
- Disposal of Animal Waste
- Snow and Salt Management
- Road Sweeping

Written documentation for maintenance activities, schedules, and inspection procedures are provided for the municipal operations O&M Plan BMPs through SOPs. SOPs include:

- Responsible individuals
- Maintenance schedules or map locations
- Procedures for the removal and tracking disposal of trash and debris.
- Documentation methods confirming maintenance has been completed.

Surface visual inspections are considered the accumulation of all trained personnel visually assessing the stormwater system through their normal daily activities. Personnel attend annual training to learn about stormwater conveyances relevant issues. The process for reporting an identified issue is reviewed annually. In addition, inspections of all outfalls will be conducted during the five-year permit term.

From the identified activities, the system is adequately visually inspected annually through routine tasks and activities.

An evaluation of MS4 facilities was completed, based on local knowledge or a site inspection, and identified priority sites that have the potential to generate stormwater pollution. The

Inventory of Priority MS4 Facilities is provided in **Appendix C, Table C-7** and the map of the facilities is provided in **Appendix A, Exhibit A-3**. The list identifies properties by name/description, address or longitude/latitude, site permits (if any), and contacts. Mapping data was also reviewed to develop a full list of properties owned and operated by the MS4 (**Appendix C, Table C-8**).

<b>Inventory of MS4-Owned/Operated Facilities</b>		
<p><b><i>BMP Description</i></b>                      An inventory of MS4 owned/operated facilities is maintained and includes a location map, facility name/description, address or longitude/latitude, site permits, primary contact, alternate contact, and determination if the site has the potential to generate stormwater pollution (priority site).</p>		
<p><b><i>Measurable Goals</i></b>                      Identify MS4 facilities, prioritize pollution generating sites, and a maintain list and map.</p>		
<p><b><i>Responsible Entity</i></b>                      MS4 Coordinator</p>		
<p><b><i>Schedule</i></b>                      Develop a list in the first 6 months of permit coverage. Identify priority sites and develop a map in the 1<sup>st</sup> year of coverage. Annually review/update the list and map.</p>		
<p><b><i>Forms</i></b>                      MS4 Priority Facilities (Table C-7), Map of MS4 Facilities, Inventory of Non-Priority MS4 Properties (Table C-8)</p>		
<p><b><i>Environmental Impact</i></b>                      The inventory will allow the MS4 to ensure appropriate stormwater pollution prevention BMPs are identified for each MS4-owned facility.</p>		
<p><b><i>Reporting and Recordkeeping</i></b>                      Maintain MS4 Priority Facilities (Table C-7), Map of MS4 Facilities, and Inventory of Non-Priority MS4 Properties (Table C-8).                       Section 4.7 (n)(1) – Report status update on BMP and the dates of development and review/revisions to the inventory and map.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input type="checkbox"/> Public Education/Involvement</p> <p><input type="checkbox"/> Illicit Discharge</p> <p><input type="checkbox"/> Construction Site Control</p> <p><input type="checkbox"/> Post-Construction Site Control</p> <p><input checked="" type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Section 4.7 (b)</p> <p>Section 4.7 (i) Annual Review</p> <p><b><i>Reporting:</i></b></p> <p>Section 4.7 (n)(1) Annual Report</p>	<p><input type="checkbox"/> Current BMP</p> <p><input checked="" type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>



<b>Stormwater Pollution Prevention Plans (SWPPP)</b>		
<p><b><i>BMP Description</i></b></p> <p>The MS4 maintains site SWPPPs for the priority sites including site map, corrective actions, maintenance activities, operations, and other SOPs. Each plan discusses plan review and updating, good housekeeping, proper storage, maintenance activities, vehicle and equipment washing and storage, site snow disposal/salt management, site pesticide use, site waste disposal, spill prevention and response, and SPCC compliance.</p> <p>Each site SWPPP includes the information above from Section 4.7 (d) of the MS4GP. SWPPPs were developed during previous permit terms and have been updated and revised.</p>		
<p><b><i>Measurable Goals</i></b></p> <p>Maintain site SWPPPs and update annually.</p>		
<p><b><i>Responsible Entity</i></b></p> <p>MS4 Coordinator Superintendent, County Parks, and SWMD</p>		
<p><b><i>Schedule</i></b></p> <p>Review and revise existing SWPPPs in the first year of permit coverage. Review annually and revise as needed.</p>		
<p><b><i>Forms</i></b></p> <p>MS4 Priority Facilities (Table C-7) Map of MS4 Facilities, site SWPPPs Facility Inspection Form</p>		
<p><b><i>Environmental Impact</i></b></p> <p>SWPPPs will prevent or reduce pollutant run-off from municipal operations.</p>		
<p><b><i>Reporting and Recordkeeping</i></b></p> <p>Maintain a copy of the SWPPP at each site. Maintain Quarterly Facility Inspections and Annual Facility Assessments with the SWPPP.</p> <p>Section 4.7 (n)(1) – Report status update on BMP and the number of facilities identified as requiring a SWPPP and their revision date(s).</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input type="checkbox"/> Public Education/Involvement <input type="checkbox"/> Illicit Discharge <input type="checkbox"/> Construction Site Control <input type="checkbox"/> Post-Construction Site Control <input checked="" type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Section 4.7 (d) &amp; (e) Section 4.7 (i) Annual Review</p> <p><b><i>Reporting:</i></b> Section 4.7 (n)(1) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP <input type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>

<b>Quarterly Facility Inspections</b>		
<p><b><i>BMP Description</i></b></p> <p>The County will complete and document quarterly inspections to ensure materials and equipment are clean and orderly and to minimize the potential for pollutant discharge for all facilities (priority sites) with SWPPPs. The inspection report must include any identified deficiencies and the corrective actions taken or planned to address the deficiencies.</p> <p>Site-specific inspection forms have been developed as part of each SWPPP and include the above information. One quarterly inspection will be completed by MS4 Coordinator or designated individual as the Annual Facility Assessment (see Annual Facility Assessment BMP).</p>		
<p><b><i>Measurable Goals</i></b></p> <p>Complete inspections quarterly and maintain with SWPPPs.</p>		
<p><b><i>Responsible Entity</i></b></p> <p>MS4 Coordinator Superintendent, County Parks, and SWMD</p>		
<p><b><i>Schedule</i></b></p> <p>Review and revise the existing SWPPP inspection forms in the first year of permit coverage. Review annually and revise as needed.</p>		
<p><b><i>Forms</i></b></p> <p>SWPPP site inspection forms</p>		
<p><b><i>Environmental Impact</i></b></p> <p>Minimize the potential for pollutant discharged for MS4 facilities.</p>		
<p><b><i>Reporting and Recordkeeping</i></b></p> <p>Maintain quarterly inspections with the SWPPP at each site and provide a copy to the MS4 Coordinator.</p> <p>Record all deficiencies on the inspection form and associated corrective action.</p> <p>Section 4.7 (n)(1) – Report status update on BMP.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input type="checkbox"/> Public Education/Involvement</p> <p><input type="checkbox"/> Illicit Discharge</p> <p><input type="checkbox"/> Construction Site Control</p> <p><input type="checkbox"/> Post-Construction Site Control</p> <p><input checked="" type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Section 4.7 (f)</p> <p><b><i>Reporting:</i></b></p> <p>Section 4.7 (n)(1) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP</p> <p><input type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>

<b>Annual Facility Assessment</b>		
<b><i>BMP Description</i></b> The County will annually assess identified priority facilities (from inventory) for potential pollutants, existing operations (material storage, housekeeping practices, erosional features, vehicle washing, proximity of activities to drains and outfalls, etc.), the overall good housekeeping program, and other activities. Assess the map of the existing structural and non-structural stormwater management measures.  The Annual Assessment uses the SWPPP inspection form and a written description of observed practices and activities and corrective actions.		
<b><i>Measurable Goals</i></b> Complete assessments annually and maintain with SWPPP.		
<b><i>Responsible Entity</i></b> MS4 Coordinator		
<b><i>Schedule</i></b> Annually.		
<b><i>Forms</i></b> SWPPP SWPPP Self-Inspection Form MS4 Priority Facilities (Table C-7)		
<b><i>Environmental Impact</i></b> Minimize the potential for pollutant discharged for MS4 facilities.		
<b><i>Reporting and Recordkeeping</i></b> Maintain the Annual Assessments with the SWPPP at each site. Record all deficiencies on the inspection form and associated corrective action. Update SWPPP as needed.  Section 4.7 (n)(1) – Report status update on BMP.		
<b><i>Minimum Control Measures:</i></b> <input type="checkbox"/> Public Education/Involvement <input type="checkbox"/> Illicit Discharge <input type="checkbox"/> Construction Site Control <input type="checkbox"/> Post-Construction Site Control <input checked="" type="checkbox"/> Municipal Operations	<b><i>Permit Requirement:</i></b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Section 4.7 (c) Section 4.7 (i) Annual Review  <b><i>Reporting:</i></b> Section 4.7 (n)(1) Annual Report	<input type="checkbox"/> Current BMP <input checked="" type="checkbox"/> New BMP  BMP Revision Date: 2022

<b>Periodic Litter Collection</b>		
<p><b>BMP Description</b></p> <p>Periodic litter collection is part of the O&amp;M Plan for MS4-owned/operated stormwater infrastructure. The maintenance activities, schedules, disposal methods, and inspection procedures for the BMP are described in the SOP.</p> <p>County employees conduct litter pick-up as needed and as a general housekeeping practice at County facilities. Areas are identified through surface visual inspections and complaints. Clean up of large debris, such as tires, is tracked.</p>		
<p><b>Measurable Goals</b></p> <p>Collect litter to prevent conveyance contamination and clogging. Develop and maintain SOP.</p>		
<p><b>Responsible Entity</b></p> <p>County Highway SWMD</p>		
<p><b>Schedule</b></p> <p>Review SOP annually and update as needed. Refer to SOP for detailed schedules.</p>		
<p><b>Forms</b></p> <p>N/A</p>		
<p><b>Environmental Impact</b></p> <p>Reduces the amount of floatables and other pollutants discharged to conveyances.</p>		
<p><b>Reporting and Recordkeeping</b></p> <p>Maintain the SOP that describes the schedules, responsible entities, tracking, and disposal. Track clean up of large debris and estimates of overall litter pickup.</p> <p>Section 4.7 (n)(1) – Report status update on BMP and review/revision date of SOP.</p>		
<p><b>Minimum Control Measures:</b></p> <p><input type="checkbox"/> Public Education/Involvement</p> <p><input type="checkbox"/> Illicit Discharge</p> <p><input type="checkbox"/> Construction Site Control</p> <p><input type="checkbox"/> Post-Construction Site Control</p> <p><input checked="" type="checkbox"/> Municipal Operations</p>	<p><b>Permit Requirement:</b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Section 4.7 (g)(2)(A), (3) and (4)</p> <p>Section 4.7 (i) Annual Review</p> <p><b>Reporting:</b></p> <p>Section 4.7 (n)(1) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP</p> <p><input type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>

<b>Structure/Catch Basin Cleaning</b>		
<p><b><i>BMP Description</i></b>                      Stormwater structure cleaning is part of the O&amp;M Plan for MS4-owned/operated stormwater infrastructure. The maintenance activities, schedules, disposal methods, and inspection procedures for the BMP are described in the SOP.</p>		
<p><b><i>Measurable Goals</i></b>                      Reduce the amount of floatables and other pollutants discharged by cleaning stormwater structures and conveyances.                      Develop and maintain SOP.</p>		
<p><b><i>Responsible Entity</i></b>                      County Highway responsible for BMP and reporting to MS4 Coordinator</p>		
<p><b><i>Schedule</i></b>                      Review SOP annually and update as needed.                      In general, the BMP is completed by sections per a schedule, in response to a complaint, and as needed at MS4 facilities.</p>		
<p><b><i>Forms</i></b>                      N/A</p>		
<p><b><i>Environmental Impact</i></b>                      Reduces the amount of floatables and other pollutants discharged to conveyances.</p>		
<p><b><i>Reporting and Recordkeeping</i></b>                      Maintain the SOP that describes the schedules, responsible entities, tracking, and disposal.                      Track estimates of amount of debris removed from catch basins, or number of catch basins cleaned.                       Section 4.7 (n)(1) – Report status update on BMP and review/revision date of SOP.                      Section 4.7 (n)(3) – Report the estimated amount of material removed from stormwater drainage system cleaning including the disposal methods utilized.</p>		
<p><b><i>Minimum Control Measures:</i></b>  <input type="checkbox"/> Public Education/Involvement  <input type="checkbox"/> Illicit Discharge  <input type="checkbox"/> Construction Site Control  <input type="checkbox"/> Post-Construction Site Control  <input checked="" type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No                      Section 4.7 (g)(2)(B), (3) and (4)                      Section 4.7 (i) Annual Review   <b><i>Reporting:</i></b>                      Section 4.7 (n)(1) and (3) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP  <input type="checkbox"/> New BMP                       BMP Revision Date:                      2022</p>

<b>Roadside Shoulder and Ditch Stabilization</b>		
<p><b><i>BMP Description</i></b></p> <p>Roadside shoulder and ditch stabilization is part of the O&amp;M Plan. The maintenance activities, schedules, disposal methods, and inspection procedures for the BMP are described in the SOP.</p> <p>Each department is responsible for stabilization after a project (e.g., utility line installation). Areas are identified through surface visual inspections and complaints.</p>		
<p><b><i>Measurable Goals</i></b></p> <p>Repair shoulders and ditches to prevent accidents and sedimentation from entering conveyances. Develop and maintain SOP.</p>		
<p><b><i>Responsible Entity</i></b></p> <p>County Highway responsible for BMP and reporting to MS4 Coordinator</p>		
<p><b><i>Schedule</i></b></p> <p>Review SOP annually and update as needed.</p> <p>In general, the BMP is completed when personnel observe it or a complaint is received.</p>		
<p><b><i>Forms</i></b></p> <p>N/A</p>		
<p><b><i>Environmental Impact</i></b></p> <p>Prevent sedimentation from entering conveyances.</p>		
<p><b><i>Reporting and Recordkeeping</i></b></p> <p>Maintain the SOP that describes the schedules, responsible entities, tracking, and disposal. Track estimate of area (square feet) of shoulder/ditch stabilization.</p> <p>Section 4.7 (n)(1) – Report status update on BMP and review/revision date of SOP.                      Section 4.7 (n)(2) – Report the number and location of stormwater conveyances that have been repaired.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input type="checkbox"/> Public Education/Involvement</p> <p><input type="checkbox"/> Illicit Discharge</p> <p><input type="checkbox"/> Construction Site Control</p> <p><input type="checkbox"/> Post-Construction Site Control</p> <p><input checked="" type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Section 4.7 (g)(2)(C), (3) and (4)</p> <p>Section 4.7 (i) Annual Review</p> <p><b><i>Reporting:</i></b></p> <p>Section 4.7 (n)(1) and (2) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP</p> <p><input type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>

<b>Roadside Vegetation</b>		
<b><i>BMP Description</i></b> Planting and proper care of roadside vegetation is part of the O&M Plan. The maintenance activities, schedules, disposal methods, and inspection procedures for the BMP are described in the SOP. Each department is responsible for restoring vegetation after a project (e.g., utility line installation). Areas are identified through surface visual inspections and complaints.		
<b><i>Measurable Goals</i></b> Maintain roadside vegetation to prevent accidents and sedimentation from entering conveyances. Develop and maintain SOP.		
<b><i>Responsible Entity</i></b> County Highway responsible for BMP and reporting to MS4 Coordinator		
<b><i>Schedule</i></b> Review SOP annually and update as needed. In general, the BMP is completed when personnel observe it or a complaint is received.		
<b><i>Forms</i></b> N/A		
<b><i>Environmental Impact</i></b> Prevent erosion and prevent sedimentation from entering conveyances.		
<b><i>Reporting and Recordkeeping</i></b> Maintain the SOP that describes the schedules, responsible entities, tracking, and disposal. Track estimate of area (square feet) of roadside vegetation maintained or number of areas planted.  Section 4.7 (n)(1) – Report status update on BMP and review/revision date of SOP.		
<b><i>Minimum Control Measures:</i></b> <input type="checkbox"/> Public Education/Involvement <input type="checkbox"/> Illicit Discharge <input type="checkbox"/> Construction Site Control <input type="checkbox"/> Post-Construction Site Control <input checked="" type="checkbox"/> Municipal Operations	<b><i>Permit Requirement:</i></b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Section 4.7 (g)(2)(D) Section 4.7 (i) Annual Review  <b><i>Reporting:</i></b> Section 4.7 (n)(1) Annual Report	<input checked="" type="checkbox"/> Current BMP <input type="checkbox"/> New BMP  BMP Revision Date: 2022

<b>Remediation of Outfall Scouring</b>		
<b>BMP Description</b>		
<p>Remediation of outfall scouring is part of the O&amp;M Plan for MS4-owned/operated stormwater infrastructure. The maintenance activities, schedules, disposal methods, and inspection procedures for the BMP are described in the SOP. The MS4 will conduct dry weather inspections at all MS4 owned/operated storm sewer outfalls at least once per permit term. Outfalls will be evaluated for erosion scouring conditions during outfall inspections. Erosion and scouring will be repaired by placing riprap around the outfall and in eroded areas. Severely eroded areas may require additional measures or work to be contracted out, as determined by the MS4 operator. Each department is responsible for notifying the responsible department when a site outfall requires remediation. Along with routine schedules/inspections, areas are identified through surface visual inspections and complaints.</p>		
<b>Measurable Goals</b>		
<p>Repair outfalls as needed to prevent scouring and to prevent sediment from entering conveyances. Develop and maintain SOP.</p>		
<b>Responsible Entity</b>		
<p>County Highway responsible for BMP and reporting to MS4 Coordinator</p>		
<b>Schedule</b>		
<p>Review SOP annually and update as needed. In general, the BMP is completed per a schedule, a complaint, and as needed at MS4 facilities.</p>		
<b>Forms</b>		
<p>N/A</p>		
<b>Environmental Impact</b>		
<p>Reduces the amount of floatables and other pollutants discharged to conveyances.</p>		
<b>Reporting and Recordkeeping</b>		
<p>Maintain the SOP that describes the schedules, responsible entities, tracking, and disposal. Track number of outfalls repaired.</p> <p>Section 4.7 (n)(1) – Report status update on BMP and review/revision date of SOP. Section 4.7 (n)(2) – Report the number and location of stormwater outfalls that have been repaired.</p>		
<p><b>Minimum Control Measures:</b></p> <p><input type="checkbox"/> Public Education/Involvement</p> <p><input type="checkbox"/> Illicit Discharge</p> <p><input type="checkbox"/> Construction Site Control</p> <p><input type="checkbox"/> Post-Construction Site Control</p> <p><input checked="" type="checkbox"/> Municipal Operations</p>	<p><b>Permit Requirement:</b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Section 4.7 (g)(2)(E), (3) and (4)</p> <p>Section 4.7 (i) Annual Review</p> <p><b>Reporting:</b></p> <p>Section 4.7 (n)(1) &amp; (2) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP</p> <p><input type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>



<b>Repairing Stormwater Conveyances</b>		
<p><b>BMP Description</b></p> <p>Repairing stormwater conveyances and infrastructure is part of the O&amp;M Plan for MS4-owned/operated stormwater infrastructure. The maintenance activities, schedules, disposal methods, and inspection procedures for the BMP are described in the SOP.</p> <p>Each department is responsible for notifying the responsible department when conveyances require cleaning or repair. Along with routine schedules, areas are identified through surface visual inspections and complaints.</p>		
<p><b>Measurable Goals</b></p> <p>Repair stormwater conveyances (infrastructure) to prevent sedimentation from entering conveyances.</p> <p>Develop and maintain SOP.</p>		
<p><b>Responsible Entity</b></p> <p>County Highway responsible for BMP and reporting to MS4 Coordinator</p>		
<p><b>Schedule</b></p> <p>Review SOP annually and update as needed.</p> <p>In general, the BMP is completed by sections per a schedule, in response to a complaint, and as needed at MS4 facilities.</p>		
<p><b>Forms</b></p> <p>N/A</p>		
<p><b>Environmental Impact</b></p> <p>Reduces the amount of pollutants entering the conveyances.</p>		
<p><b>Reporting and Recordkeeping</b></p> <p>Maintain the SOP that describes the schedules, responsible entities, tracking, and disposal.</p> <p>Track estimate of area (square feet) or length (feet) of stormwater conveyance maintained and type of conveyance (ditch, pipe, etc.).</p> <p>Section 4.7 (n)(1) – Report status update on BMP and review/revision date of SOP.</p> <p>Section 4.7 (n)(2) – Report the number and location of stormwater conveyances that have been repaired</p>		
<p><b>Minimum Control Measures:</b></p> <p><input type="checkbox"/> Public Education/Involvement</p> <p><input type="checkbox"/> Illicit Discharge</p> <p><input type="checkbox"/> Construction Site Control</p> <p><input type="checkbox"/> Post-Construction Site Control</p> <p><input checked="" type="checkbox"/> Municipal Operations</p>	<p><b>Permit Requirement:</b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Section 4.7 (g)(2)(E), (3) and (4)</p> <p>Section 4.7 (i) Annual Review</p> <p><b>Reporting:</b></p> <p>Section 4.7 (n)(1) &amp; (2) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP</p> <p><input type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>

<b>Disposal of Animal Waste</b>		
<b>BMP Description</b> The Conservation Corridor display at the Fairgrounds and County parks has pet waste stations and related educational signage which are maintained by the County Parks Department.		
<b>Measurable Goals</b> The County will maintain the pet waste stations and promote proper disposal of pet waste through educational signage.		
<b>Responsible Entity</b> County Parks		
<b>Schedule</b> Pet waste stations are maintained on an ongoing basis.		
<b>Forms</b> SWPPP		
<b>Environmental Impact</b> Reduces the amount of pollutants entering the conveyances.		
<b>Reporting and Recordkeeping</b> Record the number and location of pet waste stations.  Section 4.7 (n)(1) – Report status update on BMP		
<b>Minimum Control Measures:</b> <input type="checkbox"/> Public Education/Involvement <input type="checkbox"/> Illicit Discharge <input type="checkbox"/> Construction Site Control <input type="checkbox"/> Post-Construction Site Control <input checked="" type="checkbox"/> Municipal Operations	<b>Permit Requirement:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Section 4.7 (d)(6)(C)  <b>Reporting:</b> Section 4.7 (n)(1) Annual Report	<input checked="" type="checkbox"/> Current BMP <input type="checkbox"/> New BMP  BMP Revision Date: 2022

<b>Snow and Salt Management</b>		
<b><i>BMP Description</i></b>		
<p>For very heavy snow events, Bartholomew County has designated areas for snow disposal. Normally, snow is piled along the edge of streets. The County manages and stores salt and other de-icing materials to minimize the discharge of stormwater run-off from the facility by:</p> <ol style="list-style-type: none"> <li>1) Minimizing run-off and run-on.</li> <li>2) Utilizing and maintaining permanent structures and/or coverings, thereby reducing the discharge of polluted stormwater run-off.</li> <li>3) Managing operations to address tracking and spillage.</li> </ol> <p>Road salt and brine are applied as needed to street surfaces. They are stored at the Old County Garage in a way the reduces the potential for stormwater pollution. The minimum amount of chemicals necessary to achieve the desired result should be used. Staff involved in road salt storage and application will be trained annually. These practices will prevent concentrated amounts of salt from entering stormwater runoff. The County Garage SWPPP includes snow disposal area and salt management measures and storage locations.</p>		
<b><i>Measurable Goals</i></b>		
Reduce the amount of stored salt exposed through proper management.		
<b><i>Responsible Entity</i></b>		
County Highway		
<b><i>Schedule</i></b>		
Update SWPPP within first year of permit coverage. On-going management measures.		
<b><i>Forms</i></b>		
SWPPP		
<b><i>Environmental Impact</i></b>		
Decrease salt run-off to conveyances.		
<b><i>Reporting and Recordkeeping</i></b>		
<p>Document the snow disposal area(s) and salt/sand management measures and storage locations in the SWPPP.</p> <p>Section 4.7 (n)(1) – Report status update on BMP. Section 4.7 (n)(5) – Number and location of deicing salt and sand storage areas and methods used to minimize stormwater exposure.</p>		
<b><i>Minimum Control Measures:</i></b> <input type="checkbox"/> Public Education/Involvement <input type="checkbox"/> Illicit Discharge <input type="checkbox"/> Construction Site Control <input type="checkbox"/> Post-Construction Site Control <input checked="" type="checkbox"/> Municipal Operations	<b><i>Permit Requirement:</i></b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Section 4.7 (d)(6)(D) and (E) Section 4.7 (i) Annual Review  <b><i>Reporting:</i></b> Section 4.7 (n)(1) and (5) Annual Report	<input checked="" type="checkbox"/> Current BMP <input type="checkbox"/> New BMP  BMP Revision Date: 2022

<b>Road Sweeping</b>		
<p><b><i>BMP Description</i></b></p> <p>Road sweeping is part of the O&amp;M Plan for MS4-owned infrastructure. A mechanical broom sweeper is used for areas involved in public road projects so that the roads are clean before and after construction. Additional cleaning of roads and parking lots is also conducted as-needed with available resources and staff. These maintenance activities, schedules, disposal methods, and inspection procedures for the BMP are described in the SOP.</p>		
<p><b><i>Measurable Goals</i></b></p> <p>Reduce the amount of pollutants discharged to stormwater infrastructure by sweeping streets and parking lots. Develop and maintain SOP.</p>		
<p><b><i>Responsible Entity</i></b></p> <p>County Highway responsible for BMP and reporting to MS4 Coordinator</p>		
<p><b><i>Schedule</i></b></p> <p>Review SOP annually and update as needed.</p>		
<p><b><i>Forms</i></b></p> <p>N/A</p>		
<p><b><i>Environmental Impact</i></b></p> <p>Maintains clean roadways and allows the MS4 to monitor debris and pollutants in roadways.</p>		
<p><b><i>Reporting and Recordkeeping</i></b></p> <p>Maintain the SOP that describes the schedules, responsible entities, tracking, and disposal. Track estimates of lane miles swept.</p> <p>Section 4.7 (n)(1) – Report status update on BMP and review/revision date of SOP. Section 4.7 (n)(4) – Report the estimated amount of material collected from street sweeping and the disposal method utilized.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input type="checkbox"/> Public Education/Involvement <input type="checkbox"/> Illicit Discharge <input type="checkbox"/> Construction Site Control <input type="checkbox"/> Post-Construction Site Control <input checked="" type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Section 4.7 (g)(3) - (5) Section 4.7 (i) Annual Review</p> <p><b><i>Reporting:</i></b> Section 4.7 (n)(1) and (4) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP <input type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>

<b>Stormwater Practices for Outside Entities</b>		
<p><b><i>BMP Description</i></b>                      Establish procedures to ensure contractors or third-party entities hired by the MS4 to perform maintenance or other operational activities associated with the stormwater system are required to comply with stormwater good housekeeping practices and facility-specific stormwater management policies and procedures.</p>		
<p><b><i>Measurable Goals</i></b>                      Train contractors on MS4 stormwater management policies and procedures.</p>		
<p><b><i>Responsible Entity</i></b>                      MS4 Coordinator</p>		
<p><b><i>Schedule</i></b>                      As needed, but prior to work being completed.</p>		
<p><b><i>Forms</i></b>                      Training Matrix (Table C-5)</p>		
<p><b><i>Environmental Impact</i></b>                      Minimize the potential for pollutant discharged for maintenance and other activities conducted by outside entities on behalf of the MS4.</p>		
<p><b><i>Reporting and Recordkeeping</i></b>                      Maintain training records from contractors.                       Section 4.7 (n)(1) – Report status update on BMP.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input type="checkbox"/> Public Education/Involvement  <input type="checkbox"/> Illicit Discharge  <input type="checkbox"/> Construction Site Control  <input type="checkbox"/> Post-Construction Site Control  <input checked="" type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No                      Section 4.7 (j)</p> <p><b><i>Reporting:</i></b>                      Section 4.7 (n) (1) Annual Report</p>	<p><input type="checkbox"/> Current BMP  <input checked="" type="checkbox"/> New BMP</p> <p>BMP Revision Date:                      2022</p>

<b>Flood Control Structures</b>		
<p><b><i>BMP Description</i></b>                      As new flood control projects are being planned, designed and constructed, the MS4 will continue to identify how water quality considerations can be incorporated into the designs. There are no known existing flood control structures, but if any are identified, they will be evaluated for potential modification to improve water quality.</p>		
<p><b><i>Measurable Goals</i></b>                      Document that all new County-controlled flood management projects are evaluated for water quality impacts.                       Add review of flood control projects for water quality to the construction standards.</p>		
<p><b><i>Responsible Entity</i></b>                      MS4 Coordinator                      County Highway</p>		
<p><b><i>Schedule</i></b>                      N/A</p>		
<p><b><i>Forms</i></b>                      N/A</p>		
<p><b><i>Environmental Impact</i></b>                      Incorporating water quality measures into flood control structures will improve water quality.</p>		
<p><b><i>Reporting and Recordkeeping</i></b>                      List new flood control projects and document that they were evaluated for stormwater quality and quantity.                       Section 4.7 (n)(1) – Report status update on BMP.</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Public Education/Involvement</li> <li><input type="checkbox"/> Illicit Discharge</li> <li><input type="checkbox"/> Construction Site Control</li> <li><input type="checkbox"/> Post-Construction Site Control</li> <li><input checked="" type="checkbox"/> Municipal Operations</li> </ul>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No                      Section 4.7 (k) &amp; (l)</p> <p><b><i>Reporting:</i></b>                      Section 4.7 (n) (1) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP  <input type="checkbox"/> New BMP</p> <p>BMP Revision Date:                      2022</p>

<b>Municipal Operations Training</b>		
<p><b><i>BMP Description</i></b></p> <p>The County will implement an annual training program for employees directly involved in implementing good housekeeping for MS4 facilities and/or infrastructure. Training and topics will be related to an employee’s job responsibilities and review spill prevention and response, site-specific stormwater issues, and the SWPPP.</p> <p>All municipal operations BMPs will be addressed annually at training sessions. Training may take the form of safety meetings, online training, webcasts, webinars, articles, checklists, presentations, workshops, conferences, and on the job training</p>		
<p><b><i>Measurable Goals</i></b></p> <p>Increase employee awareness of stormwater issues by providing annual training.</p>		
<p><b><i>Responsible Entity</i></b></p> <p>MS4 Coordinator</p>		
<p><b><i>Schedule</i></b></p> <p>New and part-time hires within 2 months and annually; seasonal hires within 30 days.</p>		
<p><b><i>Forms</i></b></p> <p>Training Matrix (Table C-5) List of Educational Materials (Table C-3)</p>		
<p><b><i>Environmental Impact</i></b></p> <p>Increase employee’s response to stormwater issues by providing annual training to increase their awareness.</p>		
<p><b><i>Reporting and Recordkeeping</i></b></p> <p>Completed training to be documented through attendance sheets, online training confirmation, completed quizzes, completed work orders, etc. Documentation must include employee name, position, date, description of the training.</p> <p>Section 4.7 (n)(1) – Report status update on BMP</p>		
<p><b><i>Minimum Control Measures:</i></b></p> <p><input type="checkbox"/> Public Education/Involvement</p> <p><input type="checkbox"/> Illicit Discharge</p> <p><input type="checkbox"/> Construction Site Control</p> <p><input type="checkbox"/> Post-Construction Site Control</p> <p><input checked="" type="checkbox"/> Municipal Operations</p>	<p><b><i>Permit Requirement:</i></b>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Section 4.7 (m)</p> <p><b><i>Reporting:</i></b></p> <p>Section 4.7 (n)(1) Annual Report</p>	<p><input checked="" type="checkbox"/> Current BMP</p> <p><input type="checkbox"/> New BMP</p> <p>BMP Revision Date: 2022</p>

## 4.0 MS4 PROGRAM EVALUATION AND ANNUAL REPORT

### 4.1 Annual Assessment of Programs

The following sections of the MS4GP state an annual review or performance evaluation is required. The requirement for the annual review has been included in each applicable BMP sheet and summarized in **Appendix C, Table C-11**

Reference	Requirement
Section 3.2 (b) WQCR	Review the WQCR to determine if revisions are required and then provide updated WQCR in the Annual Report.
Section 4.1 (e) General Performance	Maintain and evaluate potential overall program performance improvement opportunities in implementing the six MCMs
Section 4.1 (k) General Performance	Conduct an annual review of the SWQMP and as necessary update the plan to ensure it reflects the goals of the MS4 program are being met.
Section 4.2 (a)(6) SWQMP	Annual updates based on changes in priorities, technology, goals, etc.
Section 4.3 (g) MCM 1 & 2	Implement and assess the program annually and update goals as necessary. Describe changes in public awareness resulting from implementation of the program.
Section 4.4 (i) MCM 3	Review and assess the program annually and update as necessary.
Section 4.5 (i) MCM 4	Perform an evaluation and an assessment of the effectiveness of the program annually and update as necessary. (1) Evaluate and assess the following: (A) Regulatory mechanism(s) (i.e., ordinance). (B) Plan review process, policy, and procedures. (C) Site Inspection process, policy, and procedures. (D) Standards and specification manual and/or guidance documents. (E) Policy and procedures related to management and compliance of MS4 owned and/or operated projects. (F) Assess coordination with other departments within the MS4 departments. (2) Develop and implement a plan and schedule to address program deficiencies, improvements, and modifications to the program.
Section 4.6 (h) MCM 5	Review and assess the program annually and update as necessary. (1) Evaluate and assess the following: (A) Regulatory mechanism(s) (i.e., ordinance). (B) Plan review process, policy, and procedures. (C) Site Inspection process, policy, and procedures. (D) Standards and specification manual and/or guidance documents. (E) Policy and procedures related to management and compliance of MS4 owned and/or operated projects. (F) Assess coordination with other MS4 departments. (2) Develop and implement a plan and schedule to address program deficiencies, improvements, and modifications to the program.



Reference	Requirement
Section 4.7 (d) (3) MCM 6 SWPPP	Procedures to review the SWPPP annually and update as needed.
Section 4.7 (i) MCM 6	Review and assess the good housekeeping program for adequacy and accuracy annually and update as necessary.

## 4.2 Annual Report

Each MCM section identifies specific information to include in the Annual Report. This information is included in each BMP sheet. Additional information required to be submitted is included in Section 8.0 of the MS4GP. The MS4 has incorporated all annual reporting information into spreadsheets for easier tracking and reporting (refer to **Appendix C, Table C-10** and **C-11**). Refer to **Appendix D** for recent Annual Report submittals.

## 5.0 ABBREVIATIONS

BMP – Best Management Practice

CSOOP – Combined Sewer Overflow Operational Plan

CSGP – Construction Stormwater General Permit

FB – Facebook

IDDE – Illicit Discharge Detection and Elimination

IDEM – Indiana Department of Environmental Management

GIS – Geographical Information System

LTCP – Long Term Control Plan (for Combined Sewer Overflows)

MCM – Minimum Control Measure

MOA – Memorandum of Agreement

MOU – Memorandum of Understanding

MS4 – Municipal Separate Storm Sewer System

MS4GP – Municipal Separate Storm Sewer System General Permit

NOI – Notice of Intent

NOT – Notice of Termination

NPDES – National Pollution Discharge Elimination System

O&M – Operations and Maintenance

SOP – Standard Operating Procedures

SWCD – Soil and Water Conservation District

SWMD – Solid Waste Management District

SWPPP – Stormwater Pollution Prevention Plan

SWQMP – Stormwater Quality Management Plan

TMDL – Total Maximum Daily Load

USEPA – U.S. Environmental Protection Agency

WHP – Wellhead Protection

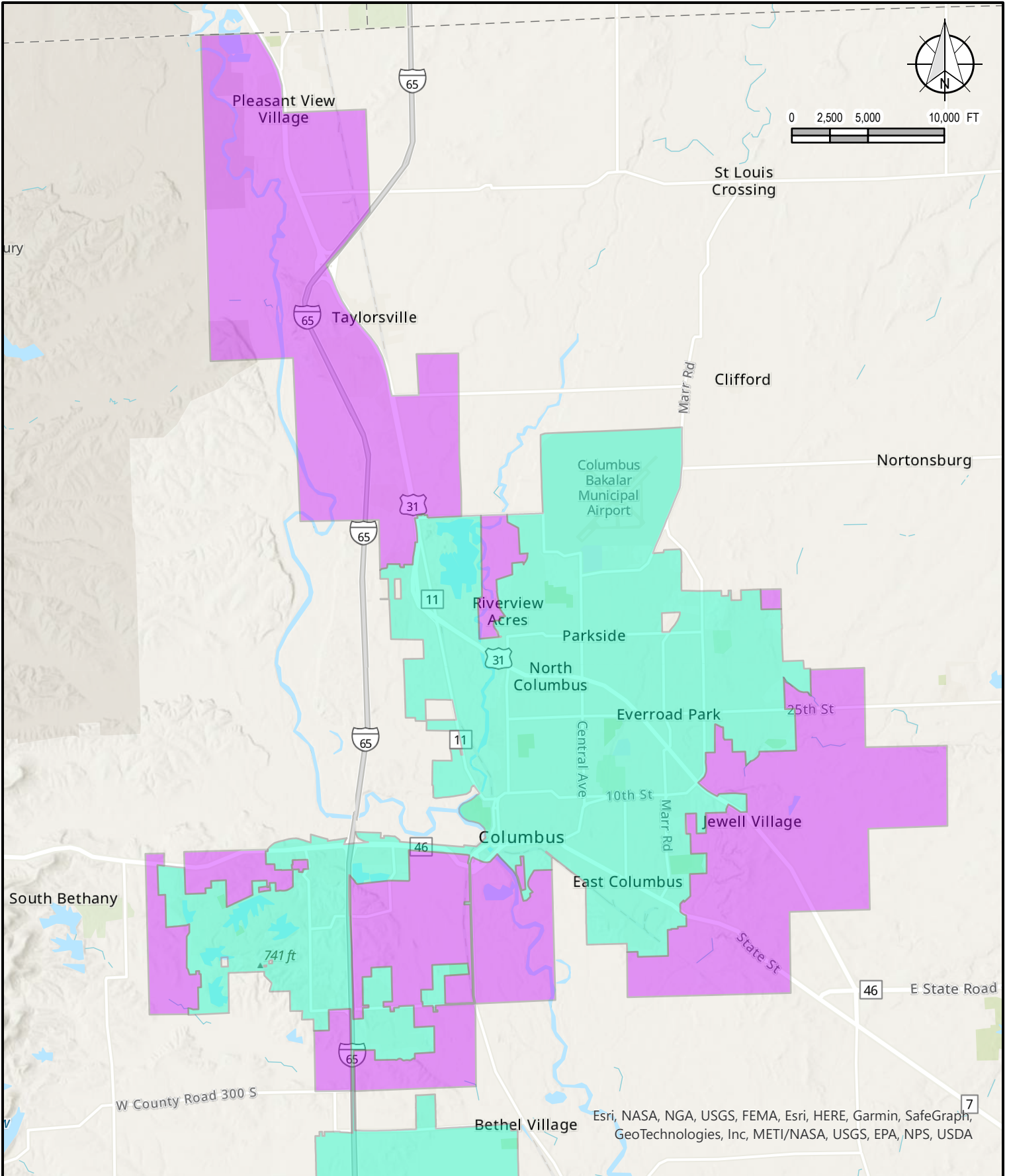
WQCR – Water Quality Characterization Report

WWTP – Wastewater Treatment Plant

**APPENDIX A**

Program Exhibits

J:\Bartholomew County\Projects\220319 Bartholomew Co SWCD MS4\CAD\GIS\MAPS\220319 Bartholomew County SWCD MS4\220319 Bartholomew County SWCD MS4.aprx Layout: A-1 MS4 Boundary (6/22/2022, 2:16 PM) User: greg



**Legend**

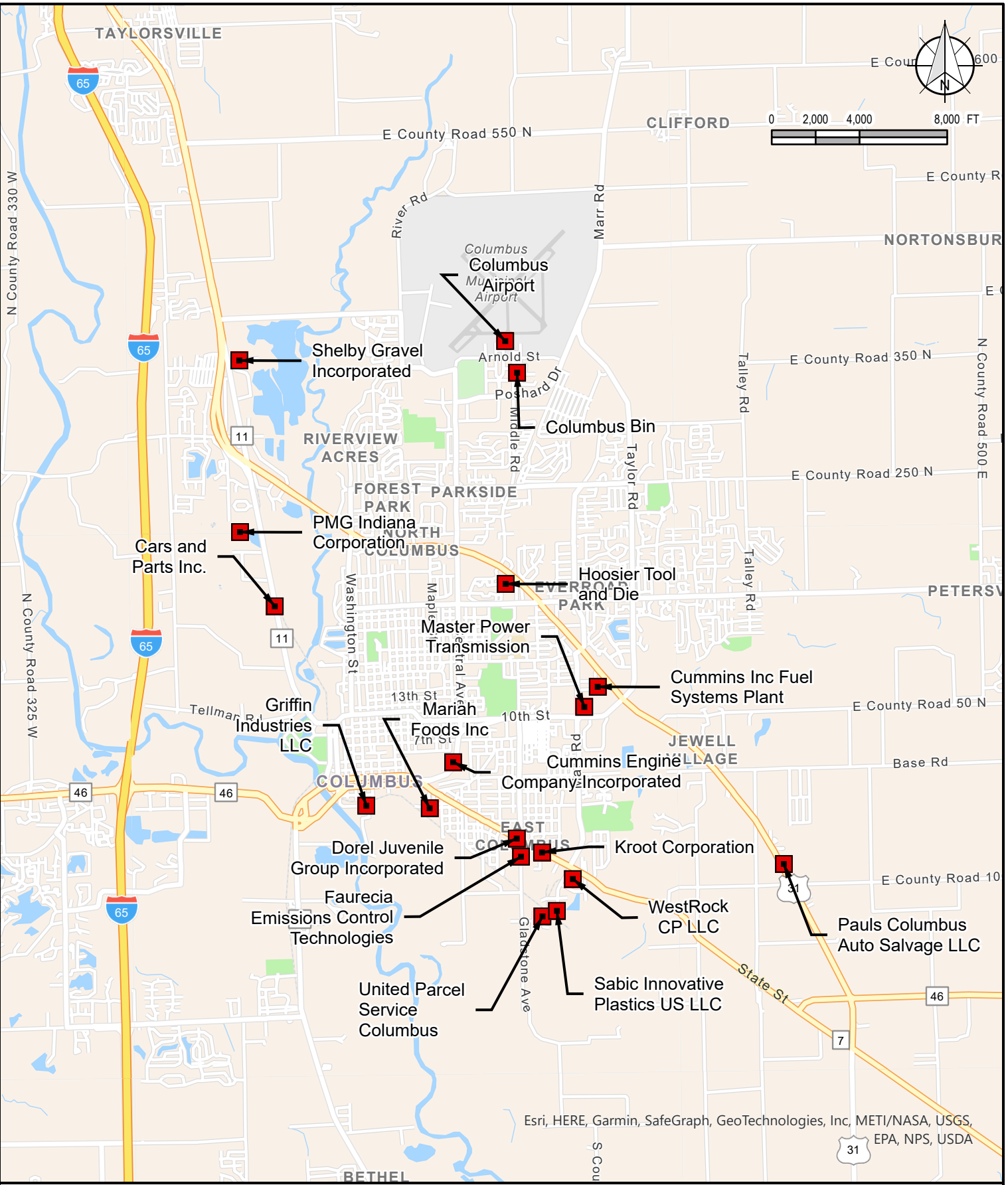
- City of Columbus MS4 Area
- Bartholomew County MS4 Area

**EXHIBIT A-1: MS4 BOUNDARY MAP**

Stormwater Quality Management Plan  
 Bartholomew County, Indiana  
 220319.58.03  
 June 2022

Esri, NASA, NGA, USGS, FEMA, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA

J:\Bartholomew County\Projects\220319 Bartholomew Co SWCD MS4\CAD\GIS\MAPS\220319 Bartholomew County SWCD MS4\220319 Bartholomew County SWCD MS4.aprx Layout: A-2 Receiving Waters (7/19/2022, 9:07 AM) User: greg



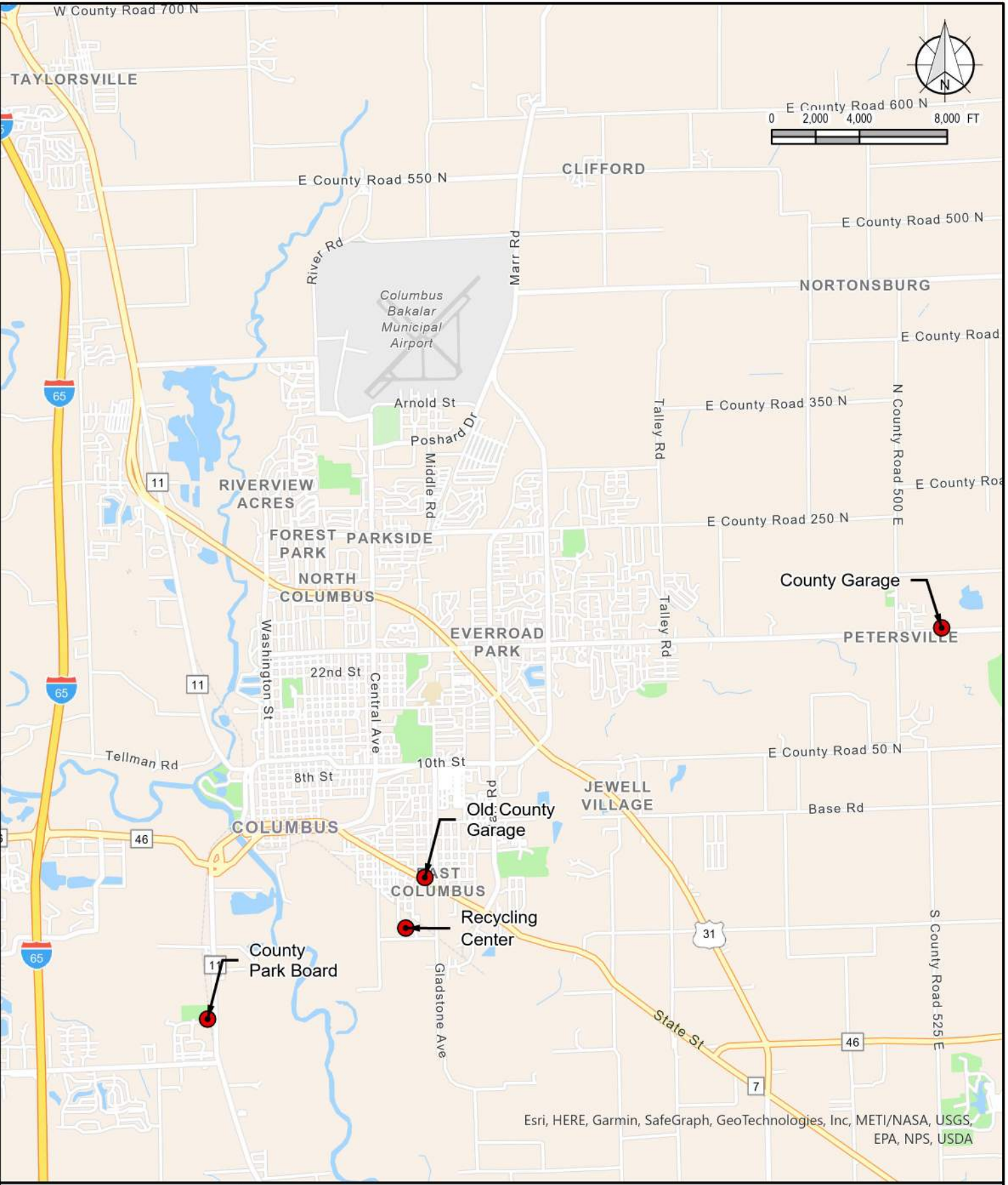
Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA



**Legend**  
■ Industrial Facility

**EXHIBIT A-2: INDUSTRIAL FACILITIES MAP**

J:\Bartholomew County\Projects\220319 Bartholomew Co SWCD MS4\CAD\GIS\MAPS\220319 Bartholomew County SWCD MS4\220319 Bartholomew County SWCD MS4.aprx Layout: D-2 MS4 Facilities (9/28/2022, 9:06 AM) User: aaron



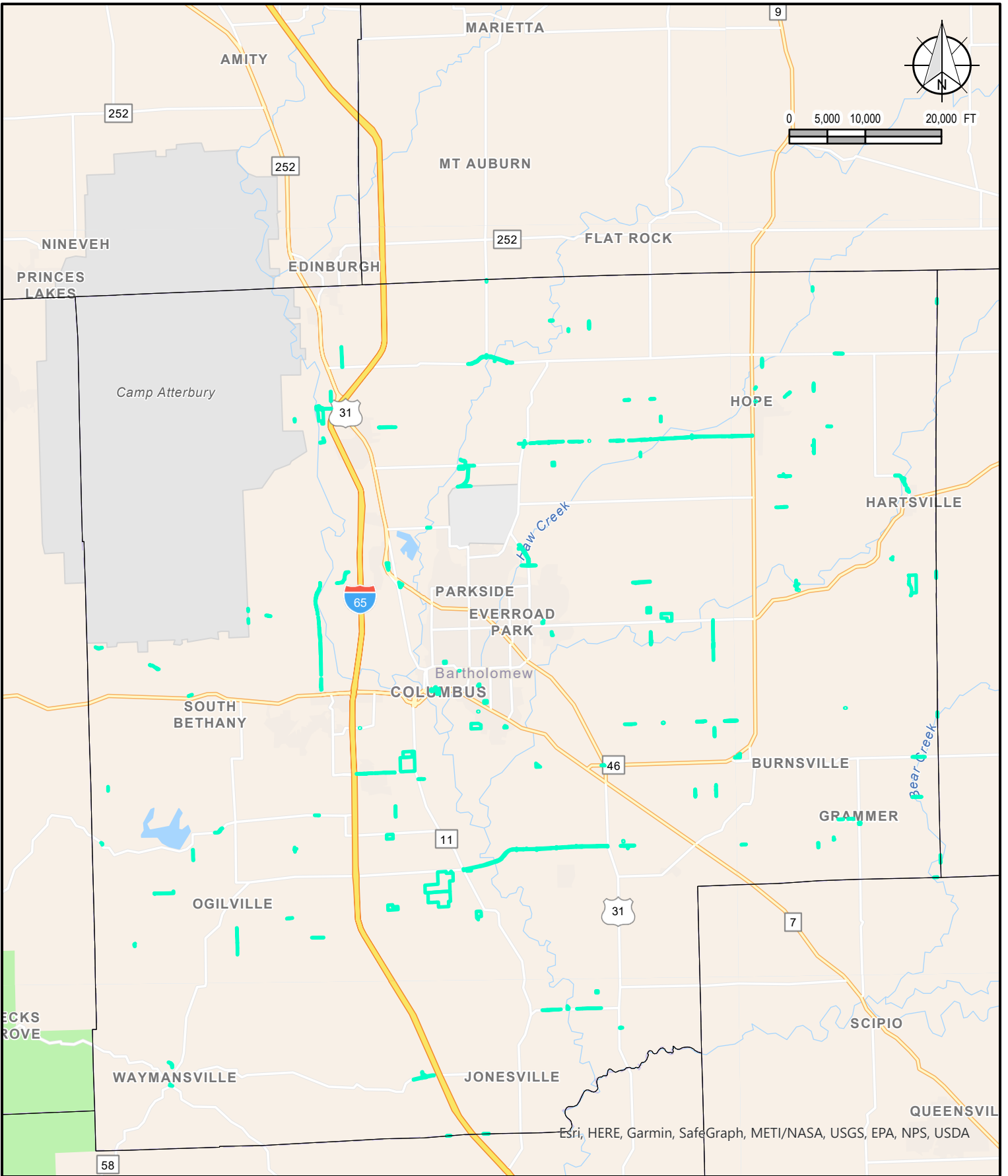
Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA



**Legend**  
 ● MS4 Facility

**EXHIBIT A-3: MS4 FACILITIES MAP**

Stormwater Quality Management Plan  
 Bartholomew County, Indiana  
 220319.58.03  
 September 2022



Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA



Legend

- MS4-Owned Facilities
- County Boundaries

**EXHIBIT A-4: NON-PRIORITY FACILITIES MAP**

Stormwater Quality Management Plan  
 Bartholomew County, Indiana  
 220319.58.03  
 July 2022

**APPENDIX B**

Permit Documentation





**MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)  
NOTICE OF INTENT (NOI)**

State Form 51270 (R5 / 3-22)  
Form Approved by State Board of Accounts, 2003  
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

For questions regarding this form, contact:

Phone: (317) 234-1601 or  
(800) 451-6027, ext. 41601 (within Indiana)

Stormwater Program Email: Stormwat@idem.IN.gov

Web Access:  
<http://www.in.gov/idem> (Search for Stormwater)

MS4 General Permit (MS4GP) may be obtained at:  
<https://www.in.gov/idem/stormwater/municipal-separate-storm-sewer-systems-ms4/>

- NOTE:**
- This form must be used to apply for a general NPDES permit to obtain permit coverage under the MS4 General Permit MS4 GP - (INR040000)
  - Please type or print in ink.
  - Return this form, required addenda, and payment by mail to the IDEM Stormwater Program at the address listed below.

IDEM, Stormwater Program  
100 North Senate Avenue  
IGCN Rm 1255  
Indianapolis, IN 46204-2251

**APPLICABILITY**

Permit coverage under the MS4 General Permit applies to all entities that:

- (1) Are not required to obtain an individual NPDES permit under 327 IAC 15-2-9(b)
- (2) Meet the general permit rule applicability requirements under 327 IAC 15-2-3
- (3) Do not have coverage under an individual MS4 permit; and
- (4) Operate, maintain, or otherwise have responsibility for an MS4 conveyance within a designated MS4 area.

**APPLICATION TYPE (check one)**

- Initial NOI
- Renewal NOI  
• NPDES Number: INR040097
- Amended NOI  
• NPDES Number:

**Part A: GENERAL INFORMATION FOR PRIMARY MS4 OPERATOR**

- (1) MS4 Name (Primary): Bartholomew County County: Bartholomew
- (2) Operator Name (Individual): First: Carl Last: Lienhoop
- (3) Operator Title: County Commissioner (Chair)
- (4) Mailing Address and Contact Information:  
Address 1: 440 Third Street  
Address 2: Suite 101 City: Columbus State: Indiana Zip: 47201  
Phone: 812-379-1515 Cell Phone: Email: clienhoop@bartholomew.in.gov

**Part B: MS4 COORDINATOR (MS4 Listed in Part A)**

- (1) Is the MS4 Coordinator the same person as the MS4 Operator listed in Part A?  
 Yes (Do not complete items 2 through 5)  No (Complete Items 2 through 5)
- (2) Name of MS4 or Name of Company: Bartholomew County
- (3) Contact Name (Individual): First: Heather Last: Shireman
- (4) Contact Title: SWCD District Coordinator
- (5) Mailing Address and Contact Information:  
Address 1: 785 S. Marr Rd.  
Address 2: City: Columbus State: Indiana Zip: 47201  
Phone: 812-378-1280 x3 Cell Phone: Email: heather.shireman@in.nacdnet.net

<b>PART C: OTHER CONTACTS</b>					
<b>Application Preparer:</b> <i>(Complete Items (1) and (2) below and only complete Item (3) if different than the information listed in Part A or Part B)</i>					
(1) Contact Name (Individual): First Name: Nancy		Last Name: Cho			
(2) MS4 or Company Name: Wessler Engineering					
(3) Mailing Address and Contact Information: Wessler Engineering, C/O Nancy Cho					
Address 1: 1130 AAA Way					
Address 2:		City: Carmel	State: IN	Zip: 46032	
Phone: 317-788-4551		Cell Phone: 317-703-9584		Email: nancyc@wesslerengineering.com	
<b>Consultant:</b>					
<input type="checkbox"/> Not Applicable					
<input checked="" type="checkbox"/> The MS4 has retained a consultant to assist with the program <i>(Complete Items (1) through (3) if different than the information listed for the Application Preparer)</i>					
(1) Contact Name: (Individual): First Name:		Last Name:			
(2) Company Name:					
(3) Mailing Address and Contact Information:					
Address 1:					
Address 2:		City:	State:	State Abbreviation:	Zip:
Phone:		Cell Phone:		Email:	

<b>PART D: MS4 GENERAL INFORMATION (Primary Permittee Only (Co-permittees will provide in Appendix A))</b>				
(1) Primary Receiving Water: Driftwood River				
(2) Coverage Area (Acres): 16,847				
(3) Population: 32,001				
(4) Funding Sources: County funds, plan review/inspection fees				
(5) Stormwater Fees:				
<input checked="" type="checkbox"/> Not Applicable				
<input type="checkbox"/> Yes, the fees are based on or calculated on <i>(provide a brief description):</i>				
(6) Administration of the Minimum Control Measures:				
Minimum Control Measure	Primary MS4 will Administer	Another MS4 (List Entity) will Administer	A Third Party (List Entity) will Administer	Legally Binding Agreement
Public Education	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No
Public Involvement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No
Illicit Discharge	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No
Construction	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No
Post-construction	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No
Good Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No

**PART E: MS4 CO-PERMITTEE INFORMATION**

(1) Is the MS4 listed as Primary applying for permit coverage that will include co-permittees?

Yes (*List the MS4 entities below*)     No (*Proceed to Part F*)

- |     |     |
|-----|-----|
| (a) | (f) |
| (b) | (g) |
| (c) | (h) |
| (d) | (i) |
| (e) | (j) |

**Part F: GENERAL DISCHARGE INFORMATION FOR MS4 ENTITIES**

(1) Hydrologic Unit Codes (12 Digit) associated with the MS4 area including those associated with co-permittees.  
(*Attach separate sheets as necessary.*)

Hydrologic Unit Code (12 Digit)	Name of MS4 or MS4s
(a)	see attached
(b)	
(c)	
(d)	
(e)	
(f)	
(g)	
(h)	

(2) Primary Hydrologic Unit Code selected from the list above: 051202040903

(3) Receiving Waters: List all separate stormwater system outfall receiving waters. The receiving waters must represent all entities seeking coverage under this NOI. (*Attach separate sheets as necessary.*)

Receiving Water	Approved TMDL (Name the TMDL)	Identify if the Water is on the current 303d (List Impairments Below)
(a) Driftwood River	No	E. coli
(b) Clifty Creek	No	E. coli
(c) Hardin S. Linke Arm "B"	No	No
(d) Hardin S. Linke Arm "C"	No	No
(e)		
(f)		
(g)		
(h)		
(i)		
(j)		
(k)		
(l)		
(m)		
(n)		
(o)		
(p)		

(4) Do any outfalls within the MS4 discharge to another MS4 conveyance?  
(These conveyances may either be regulated or non-regulated under the MS4 General Permit.)

Yes  No

If yes, provide the name of the responsible MS4 entity for the storm system and provide the name of the initial receiving water.

Outfall Discharges Directly to a MS4 (List the MS4):	Initial Receiving Water
(a)	
(b)	
(c)	
(d)	

**Part G: Public Notification**

The designated entities have notified the public of their intent to submit an application to IDEM to obtain permit coverage as a MS4. The notification was achieved by one of the two options below (select the option utilized):

- A notification was placed on the MS4 web page or community calendar for 30 days prior to submittal of the NOI. The notification included the information required in the MS4GP as required by 6.1 (b)(2).
- A notification was placed on a local newspaper of general circulation for a minimum of one (1) day. The notification included the information required in the MS4GP as required by 6.1 (b)(2).

**Part H: INFORMATION TO BE SUBMITTED WITH THE NOI**

In addition to the information in Parts A through G and applicable appendices a MS4 operator must provide:

- (1) Proof that a notice was posted to the MS4 web page / community calendar or in a newspaper with the greatest circulation in the affected MS4 area.
- (2) Application Fee (the MS4 Operator shall pay a fee in accordance with IC 13-18-20-12 and Section 6.4 and 6.5 of the MS4GP).
- (3) Certification that appropriate legally-binding agreements or contracts between MS4 entities have been obtained.

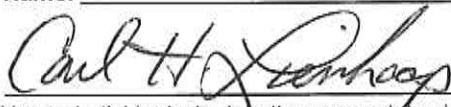
**Part I: CERTIFICATION AND SIGNATURE**

The Primary MS4 Operator listed in Part A must sign the following certification statement:

I swear or affirm under penalty of perjury as specified by IC 35-44, 1-2-1 and other penalties specified in IC 13-30-10, that the statements and representations in this notification are true, accurate, and complete.

"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 Operator Name: Carl Lienhoop

Signature of Operator: 

Date: 6-16-2022  
(mm/dd/year)

The NOI must be signed by an individual who has the appropriate signatory authority as required by 40 CFR 122.22. Wet ink signatures are required.

**Appendix A: Co-permittees (Complete this form for each Co-Permittee)**

**(1) Name of MS4 Co-Permittee:**

MS4 Operator (An individual): First: \_\_\_\_\_ Last: \_\_\_\_\_ Title: \_\_\_\_\_  
 Address 1: \_\_\_\_\_  
 Address 2: \_\_\_\_\_ City: \_\_\_\_\_ State: Indiana Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Cell Phone: \_\_\_\_\_ Email: \_\_\_\_\_  
 MS4 Coordinator (An individual): First: \_\_\_\_\_ Last: \_\_\_\_\_ Title: \_\_\_\_\_  
 Address 1: \_\_\_\_\_  
 Address 2: \_\_\_\_\_ City: \_\_\_\_\_ State: Indiana Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Cell Phone: \_\_\_\_\_ Email: \_\_\_\_\_

**(2) MS4 Information for Co-permittee:**

MS4 (Co-permittee) Population: \_\_\_\_\_  
 MS4 (Co-Permittee) Primary Receiving Water: \_\_\_\_\_  
 Funding Sources: \_\_\_\_\_  
 Does the MS4 have a Stormwater Fee:  Yes  No  
 If Yes, provide a general description of how the fee is calculated (*i.e. impervious surface, etcetera*) \_\_\_\_\_

**(3) Administration of the Minimum Control Measure:**

Minimum Control Measure	Co-Permittee Listed Above will Administer	Another MS4 (List Entity) will Administer	A Third Party (List Entity) will Administer	Legally Binding Agreement
Public Education	<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No
Public Involvement	<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No
Illicit Discharge	<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No
Construction	<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No
Post-construction	<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No
Good Housekeeping	<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No

**(4) Co-permittee Certification:**

I swear or affirm under penalty of perjury as specified by IC 35-44.1-2-1 and other penalties specified in IC 13-30-10, that the statements and representations in this notification are true, accurate, and complete.

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 MS4 Operator Name: \_\_\_\_\_

Signature of MS4 Operator (co-Permittee): \_\_\_\_\_ Date: \_\_\_\_\_

*The NOI must be signed by an individual who has the appropriate signatory authority as required by 40 CFR 122.22. Wet ink signatures are required.* (mm/dd/year)

<b>Appendix B: Additional Program Contacts Administering Minimum Control Measures (Optional)</b> <i>(Add additional Pages as needed)</i>			
<b>MS4 Representative</b>			<b>Administering the Following MCMs</b>
Name (Individual): First Name:	Last Name:		<input type="checkbox"/> Public Education
MS4 or Company Name:			<input type="checkbox"/> Public Involvement
Address:			<input type="checkbox"/> Illicit Discharge
City:	State:	Zip:	<input type="checkbox"/> Construction
Phone:	Cell Phone:	Email:	<input type="checkbox"/> Post-Construction
			<input type="checkbox"/> Good Housekeeping
Name (Individual): First Name:	Last Name:		<input type="checkbox"/> Public Education
MS4 or Company Name:			<input type="checkbox"/> Public Involvement
Address:			<input type="checkbox"/> Illicit Discharge
City:	State:	Zip:	<input type="checkbox"/> Construction
Phone:	Cell Phone:	Email:	<input type="checkbox"/> Post-Construction
			<input type="checkbox"/> Good Housekeeping
Name (Individual): First Name:	Last Name:		<input type="checkbox"/> Public Education
MS4 or Company Name:			<input type="checkbox"/> Public Involvement
Address:			<input type="checkbox"/> Illicit Discharge
City:	State:	Zip:	<input type="checkbox"/> Construction
Phone:	Cell Phone:	Email:	<input type="checkbox"/> Post-Construction
			<input type="checkbox"/> Good Housekeeping
Name (Individual): First Name:	Last Name:		<input type="checkbox"/> Public Education
MS4 or Company Name:			<input type="checkbox"/> Public Involvement
Address:			<input type="checkbox"/> Illicit Discharge
City:	State:	Zip:	<input type="checkbox"/> Construction
Phone:	Cell Phone:	Email:	<input type="checkbox"/> Post-Construction
			<input type="checkbox"/> Good Housekeeping
Name (Individual): First Name:	Last Name:		<input type="checkbox"/> Public Education
MS4 or Company Name:			<input type="checkbox"/> Public Involvement
Address:			<input type="checkbox"/> Illicit Discharge
City:	State:	Zip:	<input type="checkbox"/> Construction
Phone:	Cell Phone:	Email:	<input type="checkbox"/> Post-Construction
			<input type="checkbox"/> Good Housekeeping
Name (Individual): First Name:	Last Name:		<input type="checkbox"/> Public Education
MS4 or Company Name:			<input type="checkbox"/> Public Involvement
Address:			<input type="checkbox"/> Illicit Discharge
City:	State:	Zip:	<input type="checkbox"/> Construction
Phone:	Cell Phone:	Email:	<input type="checkbox"/> Post-Construction
			<input type="checkbox"/> Good Housekeeping

**APPENDIX C**

Program Tables and Forms

**EXISTING MS4 PROGRAM AND SWQMP IMPLEMENTATION SCHEDULE**  
**SWQMP - GENERAL REQUIREMENTS**  
**Table C-1 BMP Implementation Schedule**

Effective date of MS4GP: 12/18/21  
 Date NOI Available from IDEM: 03/22/22  
 Date NOI Submitted/Received by IDEM (coverage starts): 07/05/22

SWQMP BMPS	SECTION	BMP IMPLEMENTATION SCHEDULE						ROUTINE BMP SCHEDULE			Notes
		Identify		Create/Revise		Due Date	Completion Date	Frequency	Due Date	Completion Date	
		Days	Due Date	Days	Due Date						
SWQMP - Review and revise SWQMP within 6 months of permit coverage (from NOI received date)	4.1 i	180				01/01/23		-	-		
Edu/Participation - Community Stormwater Issue - Construction	4.3 a 2	365	07/05/23	730	07/04/24	07/04/27		-	-		
Edu/Participation - Community Stormwater Issue - Construction Event (decide on event by end of year 2)	4.3 a 2	730	07/04/24	1095	07/04/25	07/04/27		-	-		
Edu/Participation - Community Stormwater Issue - Residential	4.3 a 2	365	07/05/23	730	07/04/24	07/04/27		-	-		
Edu/Participation - Community Stormwater Issue - Residential Event	4.3 a 2	730	07/04/24	1095	07/04/25	07/04/27		-	-		
Edu/Participation - Community Stormwater Issue - Commercial/Industrial	4.3 a 2	365	07/05/23	730	07/04/24	07/04/27		-	-		
Edu/Participation - Community Stormwater Issue - Commercial/Industrial Event	4.3 a 2	730	07/04/24	1095	07/04/25	07/04/27		-	-		
Edu/Participation - Hold 2 public events annually; MS4 only or with other groups.	4.3 a 3	365	-	-	-	07/05/23		-	-		
Edu/Participation - develop educational materials for distribution for constituents	4.3 a 4	365	07/05/23	730	07/04/24	07/04/27		-	-		See Table C-3, List of Educational Materials
Edu/Participation - provide annual training for builders, developers, contractors, engineers for Con/Post-Con	4.3 a 5	365	-	-	-	07/05/23		-	-		
Edu/Participation - develop program/outreach plan to educate on IDDE & waste disposal for employees, schools, businesses, citizens.	4.3 b	365	07/05/23	730	07/04/24	07/04/27		-	-		
Edu/Participation - update SW webpage annually	4.3 c	365	-	-	-	07/05/23		-	-		
Edu/Participation - develop a list of all educational materials	4.3 d	365	07/05/23	730	07/04/24	07/04/27		-	-		
Edu/Participation - report MS4/SW program updates to elected officials annually	4.3 e	365	-	-	-	07/05/23		-	-		
IDDE - Existing MS4 update ordinance (from NOI submittal date)	4.4 a	730	-	-	-	07/04/24		-	-		
IDDE - Develop/review and update an IDDE plan - dry weather screening SOP	4.4 b 1	365	-	-	-	07/05/23		-	-		
IDDE - Develop/review and update an IDDE plan - screening schedule	4.4 b 2	365	-	-	-	07/05/23		-	-		
IDDE - Develop/review and update an IDDE plan - industry map	4.4 b 3	365	-	-	-	07/05/23		-	-		
IDDE - Develop/review and update an IDDE plan - participate or coordinate HHW events	4.4 b 4	365	-	-	-	07/05/23		-	-		
IDDE - Develop/review and update an IDDE plan - SOP (flow chart) for investigators, guidance, forms for consistency, etc.	4.4 b 5	365	-	-	-	07/05/23		-	-		
IDDE - Review/update public reporting & tracking system for IDDE	4.4 b 6	365	-	-	-	07/05/23		-	-		
IDDE Mapping - Existing MS4s to review/update mapping as changes occur and annually and ID all receiving waters in MS4.	4.4 d	365	-	-	-	07/05/23		-	-		
IDDE Mapping - SW System map including outfalls, MS4-operated conveyances; review IDs, lon/lat, receiving waters, 303(d) list	4.4 e	365	07/05/23	1825	07/04/27	07/04/27		-	-		
IDDE Mapping - complete a high priority map for IDDE inspections (1st year)	4.4 f	365	-	-	-	07/05/23		-	-		
IDDE - Develop/update IDDE training program for employees (180 days after SWQMP)	4.4 g	360	-	-	-	06/30/23		-	-		
IDDE - Complete dry-weather field screening of all MS4 outfalls per schedule (all screened by end of permit term)	4.4 h	1825	-	-	-	07/04/27		-	-		
IDDE - review LTCP/CSOOP to incorporate IDDE language for consistency into SWQMP	4.4 j	180	-	-	-	01/01/23		-	-		
Const - Develop/update program including SOPs, procedures, policies, etc.	4.5 a	730	07/04/24	910	12/31/24	07/04/27		-	-		



**EXISTING MS4 PROGRAM AND SWQMP IMPLEMENTATION SCHEDULE**  
**SWQMP - GENERAL REQUIREMENTS**  
**Table C-1 BMP Implementation Schedule**

Effective date of MS4GP: 12/18/21  
 Date NOI Available from IDEM: 03/22/22  
 Date NOI Submitted/Received by IDEM (coverage starts): 07/05/22

Const - Existing MS4s review and update ordinance/standards	4.5 b	730		910		07/04/24		-	-		
Const - Develop/update procedures including timing, applications, plan review, approval and notifications; plan review form.	4.5 c	730	07/04/24	910	12/31/24	07/04/27		-	-		
Const - written procedures to inspect const. sites, schedule, use form, notify site owners, ID priority sites.	4.5 d	730	07/04/24	910	12/31/24	07/04/27		-	-		
Const - written procedures for enforcement	4.5 e	730	07/04/24	910	12/31/24	07/04/27		-	-		
Const - develop/adopt written standards/specs for ESC measures	4.5 f	730	07/04/24	910	12/31/24	07/04/27		-	-		
Const - Develop/update written procedures for public hotline for construction sites	4.5 g	365	-	-	-	07/05/23		-	-		
Post-Con - develop/review and update program, SOPs, etc.	4.6 a		07/05/22		07/05/22	07/04/27		-	-		
Post-Con - Existing MS4s review and update ordinance/standards	4.6 b c	730	-	-	-	07/04/24		-	-		
Post-Con - develop written O&M Plan/legal requirement for long-term management of Post-Con BMPs (ord/stds)	4.6 d	730	07/04/24	910	12/31/24	07/04/27		-	-		
Post-Con - develop inspection program for all MS4-owned post-construction measures and private as appropriate.	4.6 e	730	07/04/24	910	12/31/24	07/04/27		-	-		
Post-Con - develop written procedures to inspect MS4 post-con measures and private as appropriate.	4.6 f 1	730	07/04/24	910	12/31/24	07/04/27		-	-		
Post-Con - inspect all MS4 post-con measures	4.6 f 2	1825	-	-	-	07/04/27		-	-		
Post-Con - inspect all private post-con measures (implemented at adoption of Post Con Ord) or cap at 250/term	4.6 f 3	1825	-	-	-	07/04/27		-	-		
MOps - Develop or review/update program	4.7 a	365	07/05/23	730	07/04/24	07/04/27		-	-		
MOps - Develop a list of MS4 facilities with map, address, long/lat, permits, pollution potential, and contacts	4.7 b	365	07/05/23	730	07/04/24	07/04/27		-	-		
MOps - Conduct Annual Facility Assessment	4.7 c	365	-	-	-	07/05/23		-	-		
MOps - Update MS4-owned facility SWPPPs, SOPs, etc.	4.7 d			425		09/03/23		-	-		
MOps - Written O&M Plan = review/update existing SOPs for waste disposal, litter, cleaning, sholder/ditches, vegetation, scouring, etc.	4.7 g	365	07/05/23	730	07/04/24	07/04/27		-	-		
MOps - Surface visual inspections of all catch basins, outfalls, and conveyances	4.7 g	365	07/05/23			07/04/27		-	-		
MOps - Develop program for maintenance activities, SOPs, documentation & corrective actions from surface visual inspections	4.7 g	365	07/05/23	730	07/04/24	07/04/27		-	-		
MOps - Employee training plan/procedure	4.7 m	365	07/05/23	730	07/04/24	07/04/27		-	-		See Table C-5 Training Matrix
Water Quality - As applicable, ID parameters for TMDLs for waterbodies in MS4	5.1 c	365	-	-	-	07/05/23		-	-		
Water Quality - revise SWQMP to include SW management measures to reduce loadings to TMDL waters	5.1 c	180	-	-	-	01/01/23		-	-		
NOI Submittal - Publish public notice on MS4 website for 30 days or	6.1 b 1 a	30	-	-	-	06/05/22		-	-		
NOI Submittal - Publish public notice in newspaper for 1 day (processing and proof usually take 14-21 days)	6.1 b 1 b	21	-	-	-	06/14/22		-	-		
NOI Submittal - Existing MS4s to submit NOI within 90 days of the NOI form being available from IDEM	6.3 b	90	-	-	-	07/05/22		-	-		
WQCR - annual review (provide updates in Annual Report for existing)	3.2 b	-	-	-	-	-		Annual	1-Apr		
Annual MS4 Staff Training (minimum 12 hours, 8 of which to employee's MCM)	4.1 c	-	-	-	-	-		Annual	31-Dec		See Table C-5 Training Matrix
SWQMP - overall program review/annual review/updates for priorities/technology	4.1 e k; 4.2	-	-	-	-	-		Annual	31-Dec		
Edu/Participation - Conduct two public participation events annually	4.3 a	-	-	-	-	-		Annual	31-Dec		

**EXISTING MS4 PROGRAM AND SWQMP IMPLEMENTATION SCHEDULE**

**SWQMP - GENERAL REQUIREMENTS**

**Table C-1 BMP Implementation Schedule**

Effective date of MS4GP: 12/18/21

Date NOI Available from IDEM: 03/22/22

Date NOI Submitted/Received by IDEM (coverage starts): 07/05/22

Edu/Participation - Provide annual training for construction contractors, engineers, etc. (related to MCMs 4 & 5)	4.3 a	-	-	-	-	-	-	Annual	31-Dec		See Table C-5 Training Matrix
Edu/Participation - Develop educational materials for constituents (as needed)	4.3 a	-	-	-	-	-	-	As needed	31-Dec		
Edu/Participation - Review website annually and update if needed.	4.3 c	-	-	-	-	-	-	Annual	31-Dec		
Edu/Participation - Review/maintain list of all public education materials	4.3 a	-	-	-	-	-	-	Annual	31-Dec		
Edu/Participation - Report SW program updates at Board meetings annually	4.3 e	-	-	-	-	-	-	Annual	31-Dec		
Edu/Participation - Annual program review	4.3 g	-	-	-	-	-	-	Annual	31-Dec		
IDDE - update mapping annually	4.4 d 2	-	-	-	-	-	-	Annual	31-Dec		
IDDE - train employees responsible for IDDE	4.4 g	-	-	-	-	-	-	Annual	31-Dec		See Table C-5 Training Matrix
IDDE - complete dry weather field screening per schedule	4.4 h	-	-	-	-	-	-		31-Dec		
IDDE - Annual program review	4.4 i	-	-	-	-	-	-	Annual	31-Dec		
Const - Inspect 100% of all new construction sites during initial phase of construction	4.5 d 3 A	-	-	-	-	-	-	Once	31-Dec		
Const - Inspect 100% of active construction sites >5 acres and priority sites twice/year	4.5 d 3 A	-	-	-	-	-	-	6 months	31-Dec		
Const - Inspect 50% of active construction sites <5 acres, > 1 acre at least annually	4.5 d 3	-	-	-	-	-	-	Annual	31-Dec		
Const - Investigate all complaints	4.5 d 3	-	-	-	-	-	-	All	31-Dec		
Const - Annual program review	4.5 i	-	-	-	-	-	-	Annual	31-Dec		
Const - Annual training for staff and contractual staff (plan reviewers, inspectors)	4.5 j	-	-	-	-	-	-	Annual	31-Dec		See Table C-5 Training Matrix
Const - Maintain an inventory of active sites	4.5 l	-	-	-	-	-	-	Annual	31-Dec		
Post-Con - Inspect all MS4-owned post-con measures	4.6 f	-	-	-	-	-	-	Annual	31-Dec		
Post-Con - Inspect all privately-owned post-con measures; 100% or 250/term	4.6 f	-	-	-	-	-	-	Annual	31-Dec		
Post-Con - Inspect all post-con measures when a complaint is received	4.6 f	-	-	-	-	-	-	Annual	31-Dec		
Post-Con - Annual program review	4.6 h	-	-	-	-	-	-	Annual	31-Dec		
Post-Con - Annual training for staff and contractual staff (plan reviewers, inspectors)	4.6 i	-	-	-	-	-	-	Annual	31-Dec		See Table C-5 Training Matrix
Muni Ops - Assess/inspect annually MS4-owned sites	4.7. c	-	-	-	-	-	-	Annual	31-Dec		
Muni Ops - Complete MS4 facility inspections; at least 1 done by MS4 Coordinator or designee	4.7 f	-	-	-	-	-	-	Annual	31-Dec		
Muni Ops - Visual surface insp of all catch basins, outfalls, and conveyances	4.7 g	-	-	-	-	-	-	Annual	31-Dec		
Muni Ops - Annual program review	4.7 i	-	-	-	-	-	-	Annual	31-Dec		
Muni Ops - Annual training	4.7 m	-	-	-	-	-	-	Annual	31-Dec		See Table C-5 Training Matrix
Annual Report	8.2	-	-	-	-	-	-	Annual	1-Apr		

**MS4 RESPONSIBLE ENTITIES  
SWQMP - GENERAL REQUIREMENTS**

**Table C-2 Responsible Entities**

<b>Name</b>	<b>Title/Department</b>	<b>Phone</b>	<b>Email</b>
Heather Shireman	SWCD District Coordinator, MS4 Coordinator	812-278-1280 x3	<a href="mailto:heather.shireman@in.nacdnet.net">heather.shireman@in.nacdnet.net</a>
Jennifer Whiteside	SWCD Watershed Coordinator	812-278-1280	<a href="mailto:jennifer.whiteside@in.nacdnet.net">jennifer.whiteside@in.nacdnet.net</a>
Cora Jessie Carter	County Extension Director, Ag and Natural Resources Educator, Community Development Educator	812-379-1665	<a href="mailto:carter34@purdue.edu">carter34@purdue.edu</a>
Heather Siesel	Director, SWMD	812-376-2614, Press 5 then 2	<a href="mailto:heather.siesel@bartholomew.in.gov">heather.siesel@bartholomew.in.gov</a>
Jeff Lucas	GIS Mapping Division Head	812-565-5780	<a href="mailto:jlucas@bartholomew.in.gov">jlucas@bartholomew.in.gov</a>
Carl Lienhoop	County Commissioner (Chair)	812-379-1515	<a href="mailto:clienhoop@bartholomew.in.gov">clienhoop@bartholomew.in.gov</a>
Danny Hollander	County Engineer County Highway Dept.	812-379-1660	<a href="mailto:dhollander@bartholomew.in.gov">dhollander@bartholomew.in.gov</a>
E.R. Gray	Surveyor	N/A	<a href="mailto:ergraysurveyor@gmail.com">ergraysurveyor@gmail.com</a>
Dwight Smith	Superintendent	812-379-1660	<a href="mailto:ddsmith@bartholomew.in.gov">ddsmith@bartholomew.in.gov</a>
Karen Stoner	County Administration	812-379-1660	<a href="mailto:kstoner@bartholomew.in.gov">kstoner@bartholomew.in.gov</a>
Rich Day	County Parks	812-374-2250	<a href="mailto:rday@bartholomew.in.gov">rday@bartholomew.in.gov</a>
Nancy Cho	MS4 Consultant	317-296-6347	<a href="mailto:nancyc@wesslerengineering.com">nancyc@wesslerengineering.com</a>

LIST OF EDUCATIONAL MATERIALS AND DISTRIBUTION  
MCM 1 & 2 - PUBLIC EDUCATION, OUTREACH, PARTICIPATION & INVOLVEMENT  
Table C-3 List of Educational Materials

MCM	EDUCATIONAL MATERIAL	DEVELOP	REVIEW AND REVISE	RESPONSIBLE ENTITY	TARGET CONSTITUENT	LOCATION	DISTRIBUTION	RECORD KEEPING NOTES
1/2/3	LAWN CARE EDUCATION		X	MS4 COORDINATOR PURDUE EXTENSION SWMD	RESIDENTIAL/ COMMERCIAL/ INDUSTRIAL	COUNTY WEBSITE, SWCD WEBSITE, SWMD WEBSITE, SWMD SOCIAL MEDIA, HANDOUTS, HEALTH DEPARTMENT OFFICE, SWCD OFFICE, SWMD OFFICE, PURDUE EXTENSION OFFICE	ONGOING	
1/2	SWMD EDUCATIONAL MATERIALS		X	SWMD	RESIDENTIAL/ COMMERCIAL/ INDUSTRIAL	SWMD WEBSITE, SWMD SOCIAL MEDIA, HANDOUTS, SWMD OFFICE	ONGOING	
1/2	PURDUE EXTENSION EDUCATIONAL MATERIALS		X	PURDUE EXTENSION	AGRICULTURAL/ RESIDENTIAL/	PURDUE EXTENSION WEBSITE, PURDUE EXTENSION OFFICE	ONGOING	
1/2/3	COMMERCIAL/INDUSTRIAL LITTER EDUCATION	X		MS4 COORDINATOR PURDUE EXTENSION SWMD	COMMERCIAL/ INDUSTRIAL	COUNTY WEBSITE, SWCD WEBSITE, SWMD WEBSITE, SWMD SOCIAL MEDIA, HANDOUTS, HEALTH DEPARTMENT OFFICE, SWCD OFFICE, SWMD OFFICE, PURDUE EXTENSION OFFICE	ONGOING	
1/2/4/5	CONSTRUCTION EDUCATION (BMP MAINTENANCE)	X		MS4 COORDINATOR	CONSTRUCTION	COUNTY WEBSITE, SWCD WEBSITE, HANDOUTS, SWCD OFFICE, SWMD OFFICE	ONGOING	
1/2	EDUCATIONAL MATERIALS		X	MS4 COORDINATOR PURDUE EXTENSION SWMD	GENERAL	WEBSITE, SWMD SOCIAL MEDIA, HANDOUTS, HEALTH DEPARTMENT OFFICE, SWCD OFFICE, SWMD OFFICE, PURDUE EXTENSION OFFICE, HEALTH DEPARTMENT, AND EVENTS	ONGOING	
1/2	ILLCIT DISCHARGE EDUCATION		X	MS4 COORDINATOR PURDUE EXTENSION	RESIDENTIAL/ COMMERCIAL/ INDUSTRIAL	COUNTY WEBSITE, SWCD WEBSITE, HANDOUTS, HEALTH DEPARTMENT OFFICE, SWCD OFFICE, SWMD OFFICE, PURDUE EXTENSION OFFICE	ONGOING	
1/2	SWMD EDUCATION		X	SWMD	RESIDENTIAL/ COMMERCIAL/ INDUSTRIAL	SWMD WEBSITE, SWMD SOCIAL MEDIA, HANDOUTS, SWMD OFFICE	ONGOING	
1/2	INFORMATIONAL WEBSITE		X	MS4 COORDINATOR	PUBLIC, RESIDENTIAL, COMMERCIAL, INDUSTRIAL, CONSTRUCTION	SWCD WEBSITE, COUNTY WEBSITE	ONGOING, ANNUALLY, AND AT IDEM SUBMITTAL DEADLINES	
6	PERSONNEL TRAINING MATERIALS	X		MS4 COORDINATOR	COUNTY STAFF	COUNTY TRAINING EVENTS, HANDOUTS TO STAFF AND OUTSIDE ENTITIES	ANNUALLY	

**LIST OF PUBLIC EVENTS**  
**MCM 1 & 2 - PUBLIC EDUCATION, OUTREACH, PARTICIPATION & INVOLVEMENT**  
**Table C-4 List of Public Events**

EVENT TITLE	PROVIDED BY	SCHEDULE	DATE(S) OCCURRED	TARGET AUDIENCE	EST. # OF ATTENDEES	DESCRIBE INFORMATION PROVIDED OR ACTIVITY CONDUCTED	OBJECTIVE MET? (Y/N)	BEHAVIORAL CHANGES OBSERVED? (Y/N)
Purdue University Extension Events	Purdue Extension	On Going		General Public				
SWCD Events	SWCD	On Going		General Public				
Ag Day Booth	SWCD	Annual		General Public Agricultural				
SWMD Events	SWMD	On Going		General Public				
County Commissioners Meeting	MS4 Coordinator	TBD		Elected Officials, General Public				
Construction/Post-Construction Training	MS4 Coordinator	Permit Term		Construction				
Community SW Issue - Construction (BMP Maintenance)	MS4 Coordinator	Permit Term		Construction				
Community SW Issue - Residential (Lawn Care)	MS4 Coordinator	Permit Term		Residential				
Community SW Issue - Commercial/Industrial (Litter)	MS4 Coordinator	Permit Term		Residential				

**TRAINING MATRIX**  
**MUNICIPAL OPERATIONS POLLUTION PREVENTION AND GOOD HOUSEKEEPING**  
**Table C-5 Training Matrix**

Entity/Department	Content	Schedule/Frequency	Number of Hours	Record Keeping	Notes
Contractors and Developers	Construction and post-construction requirements.  Target issue (sediment and erosion control BMP maintenance).	Annual	No requirement specified	Maintain sign-in sheet for any training events. Maintain list of materials distributed. Track number of local building permits issued and CSGPs approved that were provided educational materials.	Training may be conducted in cooperation with other entities. Includes distribution of educational materials with building permits and drainage approvals.
MS4 Employee responsible for administering program (MS4 Coordinator)	Public Education/Involvement IDDE Construction Site Post-Construction Municipal Operations/Good Housekeeping All SOPs All Facility SWPPPs	Annual	12 hours Annual Training with at least 8 hours specific to the MCM(s) they are responsible for	Maintain list of workshops, webinars, and other training events attended. Maintain list of videos, journal articles, etc.  MS4 Coordinator shall maintain copies of training sign-in sheets/checklists.	Training may be conducted via a combination of events, workshops, webinars, videos, journal articles, and other resources.
MS4 Staff (SWCD Watershed Coordinator and other staff as applicable)	General Storm Water Education	Annual	No requirement specified	Name, Title, and responsibility of staff who attend.  MS4 Coordinator shall maintain copies of training sign-in sheets/checklists.	Training may be conducted via a combination of events, workshops, webinars, videos, journal articles, and other resources.
MS4 Staff (Highway and Engineering)	Applicable SOPs Facility SWPPP General Storm Water Education	Annual	No requirement specified	Name, Title, and responsibility of staff who attend.  MS4 Coordinator shall maintain copies of training sign-in sheets/checklists.	Annual training plan is required to be in place starting 180 days after SWQMP submittal.  Note: New hires shall be trained within 2 months of hiring and seasonal staff shall be trained within 30 days of starting.
MS4 Staff (County Parks)	Applicable SOPs Facility SWPPP General Storm Water Education	Annual	No requirement specified	Name, Title, and responsibility of staff who attend.  MS4 Coordinator shall maintain copies of training sign-in sheets/checklists.	Annual training plan is required to be in place starting 180 days after SWQMP submittal.  Note: New hires shall be trained within 2 months of hiring and seasonal staff shall be trained within 30 days of starting.
MS4 Staff (SWMD and Recycling Center)	Applicable SOPs Facility SWPPP General Storm Water Education	Annual	No requirement specified	Name, Title, and responsibility of staff who attend.  MS4 Coordinator shall maintain copies of training sign-in sheets/checklists.	Annual training plan is required to be in place starting 180 days after SWQMP submittal.  Note: New hires shall be trained within 2 months of hiring and seasonal staff shall be trained within 30 days of starting.

**TRAINING MATRIX**  
**MUNICIPAL OPERATIONS POLLUTION PREVENTION AND GOOD HOUSEKEEPING**  
**Table C-5 Training Matrix**

Entity/Department	Content	Schedule/Frequency	Number of Hours	Record Keeping	Notes
MS4 Staff (administrative)	Storm Water Hotline SOP Other applicable SOPs IDDE recordkeeping, inspection, and investigation	Annual	No requirement specified	Name, Title, and responsibility of staff who attend.  MS4 Coordinator shall maintain copies of training sign-in sheets/checklists.	Annual training plan is required to be in place starting 180 days after SWQMP submittal.  Note: New hires shall be trained within 2 months of hiring and seasonal staff shall be trained within 30 days of starting.
MS4 Staff and contractors assisting with Construction Plan Review, Inspection, Compliance, and Enforcement	Applicable SOPs Construction plan review, inspection, compliance, enforcement.	Annual	No requirement specified	Name, Date, Type of Training, Professional Certifications obtained/maintained  MS4 Coordinator shall maintain copies of training sign-in sheets/checklists.	Annual training plan is required to be in place starting 180 days after SWQMP submittal.  Note: New hires shall be trained within 2 months of hiring and seasonal staff shall be trained within 30 days of starting.

PROJECT INVENTORY  
CONSTRUCTION AND POST CONSTRUCTION  
Table C-6 CSQP Project Inventory

Project Name	Project Status	Post-Construction BMP Type	Post-Construction BMP status	Construction Compliance Status/Enforcement Actions	Latitude	Longitude	Acreage	Receiving Water(s)
Harrison Lakes Country Club Short Range	complete	N/A	in compliance	N/A	39° 11' 26.8" N	-86° 01' 23.1" W	2.7	UNT to Denios Creek
Harrison Lakes CC Practice Range	complete	N/A	in compliance	N/A	39°11'26.8"N	-86°01'23.1"W	24.2	UNT to Denios Creek
Peer Foods	complete	filter strip	in compliance	N/A	39°18'48"N	-85°57'33"W	24.24	Flat Rock River
SR46	complete	pond	in compliance	N/A	39° 11' 29" N	-85° 55' 45" W	1.5	East Fork White River
CR900N	complete	N/A	in compliance	N/A	39°19'56.47"	-85°57'59.18"	2.98	Driftwood River
Duke Energy 6977 Line GLT Project	complete	N/A	in compliance	N/A	39.273343°	-86.270610°	1.54	White River
Indiana Custom Fabrication	complete	Vegetated Swale	in compliance	N/A	39° 18' 02"	-85°45' 12"	1.8	Little Haw Creek
10" NS5052 Grandview-Waynesville HP Line	complete	N/A	in compliance	N/A	39.133729°	-85.988655°	2.07	East Fork White Creek
Stow n Go Self Storage	complete	Drainage Basin	in compliance	N/A	39° 13' 39"	-85° 46' 21"	4.86	Clifty Creek
Duke Energy Transmission Line 6978 GLT Project	complete	N/A	in compliance	N/A	39.1742°	-85.8868°	2.23	East Fork White River
Gehring Underground	on hold indefinitely Priority Site	Filter Strip	in compliance	N/A	39.16815	-85.840979	12.97	Fishers Fork Creek
Wilhite Mobile Home Park	under construction last inspection 5/3/2022 Not a priority site	N/A	in compliance	N/A	39° 10' 11"	-85° 50' 27"	13.4	Brush Creek
Harrison Lakes Country Club Renovation	complete	N/A	in compliance	N/A	39°11'26.8"N	-86°01'23.1"W	93	Denios Creek
George Utz 2021 Expansion	under construction last inspection 8/1/2022 (follow up items) Not a priority site	Swales and Detention Pond	in compliance	N/A	39° 19' 45"	-85° 57' 37"	34.94	Driftwood River
Grandview PP to Waynesville TBD I/I Retrofit	construction starting 7/2/2022 not a priority site	N/A	in compliance	N/A	39.121099°	-85.943344°	38	East Fork White Creek, Thompson Slough
RL Carriers	under construction last inspection 8/1/2022 (no follow up items) Not a priority site	Infiltration Basin	in compliance	N/A	39.2363	-85.9632	72.3	Flat Rock River
Force Holdings Shell Building	under construction last inspection 5/3/2022 Not a priority site	Detention Area	in compliance	N/A	39.318786°	-85.965358°	10.88	Driftwood River
CCU	construction starting 7/1/2022 not a priority site	N/A	in compliance	N/A	39°11'11"	-85°50'59"	5.65	Brush Creek, Little Sand Creek, Fishers Fork, UNT to Little Sand Creek
Tsume America	construction starting 8/1/2022 Not a priority site	Vegetated Swale, Dry Wells	in compliance	N/A	39.3153	-85.961	4.27	Driftwood River
Vectren Gas Columbus	construction starting 8/1/2022 Not a priority site	N/A	plans under review	N/A	39.193064	-85.930306	4.51	East Fork White River and Haw Creek
Old Dominion	complete	Infiltration Basin	in compliance	N/A	39.320735	-85.96538	35	Driftwood River
Harvest Meadows	complete	2 detention ponds	in compliance	N/A	39.28174	-85.94867	90	Driftwood River
Drug Plastic Closures	Construction starting 9/1/2023 Not a priority site	2 underground basins	in compliance	N/A	39.317332	-85.958116	4.75	Driftwood River



**TABLE C-7 INVENTORY OF MS4 PRIORITY FACILITIES  
MUNICIPAL OPERATIONS POLLUTION PREVENTION AND GOOD HOUSEKEEPING**

NAME	ADDRESS	LATITUDE	LONGITUDE	SITE PERMITS	CONTACT	ALTERNATE CONTACT	PRIORITY SITE? (Y/N)	SWPPP NAME OR N/A
County Park Board	Corner of S.R. 11 and Spear Street	39.176802	-85.930269	N/A	Adam Fish: 812-552-6580	Bob Harden: 812-350-4505	Yes	SWPPP CountyPark Board
Old County Garage	2452 State Street	39.194379	-85.896320	N/A	Danny Hollander: 812-314-1193	Dwight Smith: 812-350-0778	Yes	SWPPP County Garage 2018
Recycling Center	720 South Mapleton Street	39.188178	-85.899484	N/A	Heather Siesel: 812-379-8523	Randy Murphy: 812-581-9325	Yes	SWPPP RecyclingCenter 2018

**Table C-8 INVENTORY OF NON-PRIORITY MS4 PROPERTIES**

Refer to Figure A-4 for Approximate Locations of Properties. More accurate locations are available on Bartholomew County GIS (<https://bartholomewin.elevatemaps.io/>).

<b>Parcel Number</b>	<b>Owner</b>	<b>Street Address</b>	<b>City, State, Zip</b>
03-96-33-000-003.100-004	BARTHOLOMEW COUNTY HUMANE SOCIETY	4110 E 200 S	COLUMBUS IN 47201-9095
03-96-30-420-005.600-005	COLUMBUS TOWNSHIP OF BARTHOLOMEW COUNTY	421 S Mapleton ST	COLUMBUS IN 47201
03-07-33-000-000.509-012	BARTHOLOMEW COUNTY COMMISSIONERS	LAKE OVERLOOK	COLUMBUS IN 47201
03-96-30-140-001.100-005	BARTHOLOMEW COUNTY COMMISSIONERS	2350 ILLINOIS AVE	COLUMBUS IN 47201
03-96-30-430-001.000-005	CITY OF COLUMBUS / BARTHOLOMEW COUNTY	720 MAPLETON ST	COLUMBUS IN 47201
03-86-33-000-000.601-020	BARTHOLOMEW COUNTY COMMISSIONERS	800 S	COLUMBUS IN 47201
03-06-24-000-001.901-006	BARTHOLOMEW COUNTY COMMISSIONERS	525 E	COLUMBUS IN 47203
03-96-29-340-000.500-005	Bartholomew County Commissioners	783 S MARR RD	COLUMBUS IN 47201
03-95-35-330-000.400-005	BARTHOLOMEW COUNTY	200 S	COLUMBUS IN 47201
03-06-13-000-000.602-006	BARTHOLOMEW COUNTY IN	700 N	COLUMBUS IN 47201
03-96-04-330-000.100-005	BARTHOLOMEW COUNTY COMMISSIONERS	SAWIN DR MARR RD	COLUMBUS IN 47203
03-95-24-140-012.400-005	BARTHOLOMEW COUNTY SCHOOL CORP	1209 SYCAMORE ST	COLUMBUS IN 47201
03-06-23-000-000.701-006	Bartholomew County Commissioners	600 N	COLUMBUS IN 47203
03-06-28-000-000.101-006	BARTHOLOMEW COUNTY COMMISSIONERS	600N	COLUMBUS IN 47203-9185
03-96-05-000-000.701-004	BARTHOLOMEW COUNTY COMMISSIONERS	MARR RD	COLUMBUS IN 47203
03-96-05-000-000.801-004	BARTHOLOMEW COUNTY COMMISSIONERS	MARR RD	COLUMBUS IN 47203
03-07-21-000-000.391-012	BARTHOLOMEW COUNTY COMMISSIONERS	JACKSON RD	HOPE IN 47246
03-76-18-000-001.401-020	BARTHOLOMEW COUNTY COMMISSIONERS	1100 S	SEYMOUR IN 47274
03-76-04-000-000.201-020	BARTHOLOMEW COUNTY COMMISSIONERS	850 S	COLUMBUS IN 47201
03-86-33-000-000.501-020	BARTHOLOMEW COUNTY COMMISSIONERS	800 S	COLUMBUS IN 47201
03-96-05-440-000.200-005	BARTHOLOMEW COUNTY COMMISSIONERS	MARR RD	COLUMBUS IN 47203
03-05-21-000-001.502-009	BARTHOLOMEW COUNTY COMMISSIONERS	TANNEHILL RD	COLUMBUS IN 47201
03-87-10-000-000.300-017	BARTHOLOMEW COUNTY	400 S REAR	COLUMBUS IN 47203
03-87-10-000-000.301-017	BARTHOLOMEW COUNTY	3RD	COLUMBUS IN 47201
03-87-11-320-000.800-017	BARTHOLOMEW COUNTY PARK DEPT	1000 E	COLUMBUS IN 47202-1567
03-97-31-000-002.000-017	Bartholomew County Park Board	ST RD 46 E	COLUMBUS IN 47203
03-97-31-000-002.201-017	BARTHOLOMEW COUNTY IN	650 E	COLUMBUS IN 47203
03-87-06-000-001.191-017	BARTHOLOMEW COUNTY IN	600 E	COLUMBUS IN 47201
03-87-06-000-001.201-017	BARTHOLOMEW COUNTY IN	600 E	COLUMBUS IN 47203
03-87-06-000-001.401-017	BARTHOLOMEW COUNTY c/o Flood Plain Manager	600 E	COLUMBUS IN 47203

**Table C-8 INVENTORY OF NON-PRIORITY MS4 PROPERTIES**

03-87-06-000-001.301-017	Bartholomew County IN	600 E	COLUMBUS IN 47203
03-97-31-000-001.701-017	BARTHOLOMEW COUNTY IN	650 E	COLUMBUS IN 47203
03-87-15-000-000.701-017	BARTHOLOMEW COUNTY COMMISSIONERS	900 E	COLUMBUS IN 47201
03-87-16-000-000.102-017	BARTHOLOMEW COUNTY COMMISSIONERS	900 E	COLUMBUS IN 47201
03-87-10-000-000.401-017	BARTHOLOMEW COUNTY COMMISSIONERS	400 S	COLUMBUS IN 47203
03-87-15-000-000.603-017	BARTHOLOMEW COUNTY COMMISSIONERS	900 E	COLUMBUS IN 47203
03-97-36-000-000.101-017	Bartholomew County IN	1200 E	COLUMBUS IN 47203
03-87-06-000-002.102-017	BARTHOLOMEW COUNTY IN	650 E	COLUMBUS IN 47203
03-97-30-000-001.401-001	BARTHOLOMEW COUNTY IN	100 S	COLUMBUS IN 47203
03-97-31-000-001.201-017	BARTHOLOMEW COUNTY IN	100 S	COLUMBUS IN 47203
03-97-31-000-001.501-017	BARTHOLOMEW COUNTY IN	650 E	COLUMBUS IN 47203
03-97-31-000-001.601-017	BARTHOLOMEW COUNTY IN	650 E	COLUMBUS IN 47203
03-87-17-000-000.201-017	Bartholomew County IN	400 S	ELIZABETHTOWN IN 47232
03-87-08-000-001.102-017	BARTHOLOMEW COUNTY IN	400 S	ELIZABETHTOWN IN 47232
03-87-12-000-000.501-017	BARTHOLOMEW COUNTY COMMISSIONERS	300 S	COLUMBUS IN 47203
03-87-01-000-000.401-017	BARTHOLOMEW COUNTY IN	200 S	WESTPORT IN 47283
03-96-25-000-000.701-001	BARTHOLOMEW COUNTY COMMISSIONERS	525 E	COLUMBUS IN 47203
03-96-36-000-000.202-017	BARTHOLOMEW COUNTY COMMISSIONERS	100 S 525 E	COLUMBUS IN 47203
03-86-01-000-001.101-017	BARTHOLOMEW COUNTY IN	600 E	COLUMBUS IN 47203
03-97-32-000-000.600-017	BARTHOLOMEW COUNTY PARK BOARD	ST RD 46	COLUMBUS IN 47203
03-06-27-000-000.803-006	BARTHOLOMEW COUNTY COMMISSIONERS	325 E	COLUMBUS IN 47203
03-06-04-000-000.401-009	BOARD OF COMMISSIONERS BARTHOLOMEW COUNTY	900 N	COLUMBUS IN 47203
03-06-09-000-000.101-009	BOARD OF COMMISSIONERS BARTHOLOMEW COUNTY	900 N	EDINBURGH IN 46124
03-06-30-000-001.703-006	Bartholomew County IN	100 S	COLUMBUS IN 47201
03-06-30-000-001.301-006	BARTHOLOMEW COUNTY PARK BOARD	550 N	COLUMBUS IN 47203
03-06-30-000-001.501-006	Bartholomew County IN	500 N	COLUMBUS IN 47201
03-06-24-000-001.702-006	BARTHOLOMEW COUNTY COMMISSIONERS	525 E	COLUMBUS IN 47203
03-06-24-000-001.701-006	BARTHOLOMEW COUNTY IN	525 E	COLUMBUS IN 47201
03-06-23-000-000.801-006	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47203
03-06-30-000-002.000-006	BARTHOLOMEW COUNTY	550 N	COLUMBUS IN 47203
03-06-23-000-000.802-006	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47203
03-06-26-000-000.102-006	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47203
03-06-26-000-000.201-006	BOARD OF COMMISSIONERS OF BARTHOLOMEW COUNTY	475 E	COLUMBUS IN 47203
03-06-26-000-000.101-006	BARTHOLOMEW COUNTY IN	600 N	COLUMBUS IN 47203
03-06-26-000-000.103-006	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47203

**Table C-8 INVENTORY OF NON-PRIORITY MS4 PROPERTIES**

03-06-26-000-000.104-006	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47203
03-95-01-000-000.201-004	BARTHOLOMEW COUNTY COMMISSIONERS	400 N	COLUMBUS IN 47203
03-06-23-000-001.101-006	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47201
03-06-24-000-002.001-006	BARTHOLOMEW COUNTY COMMISSIONERS	525 E	HOPE IN 47246
03-06-24-000-002.105-006	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47201
03-06-08-000-000.603-006	Bartholomew County IN	800 N	COLUMBUS IN 47201
03-06-08-000-000.701-006	Bartholomew County IN	800 N -R/W	COLUMBUS IN 47201
03-06-08-000-002.500-009	Bartholomew County IN	800 N	EDINBURGH IN 46124
03-06-08-000-000.601-006	Bartholomew County IN	800 N	COLUMBUS IN 47201
03-06-21-000-001.703-006	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47201
03-06-21-000-001.501-006	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47201
03-06-21-000-001.502-006	BARTHOLOMEW COUNTY COMMISSIONERS	5160 E 600 N	Columbus IN 47201-9745
03-06-21-000-001.702-006	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47201
03-06-21-000-001.704-006	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47203
03-06-21-000-001.402-006	BARTHOLOMEW COUNTY COMMISSIONERS	5030 E 600 N	COLUMBUS IN 47201
03-06-28-000-000.601-006	BARTHOLOMEW COUNTY COMMISSIONERS	250 E	COLUMBUS IN 47201
03-06-28-000-000.602-006	BARTHOLOMEW COUNTY COMMISSIONERS	9010 N 250 E	Columbus IN 47203
03-06-28-000-000.701-006	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47201
03-05-36-000-000.201-006	BARTHOLOMEW COUNTY IN	400 N	COLUMBUS IN 47203
03-05-36-000-000.501-009	BARTHOLOMEW COUNTY IN	400 N	COLUMBUS IN 47203
03-06-10-000-000.301-006	BARTHOLOMEW COUNTY IN	350 E	COLUMBUS IN 47203
03-06-22-000-001.701-006	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47201
03-06-24-000-001.801-006	BARTHOLOMEW COUNTY COMMISSIONERS	525 E	HOPE IN 47246
03-06-29-000-000.301-006	Bartholomew County Commissioners	MARR RD 600 N	COLUMBUS IN 47203
03-06-17-000-000.209-006	BARTHOLOMEW COUNTY IN	800 N	COLUMBUS IN 47201
03-06-17-000-000.208-006	BARTHOLOMEW COUNTY IN	800 N	COLUMBUS IN 47201
03-06-17-000-000.207-006	BARTHOLOMEW COUNTY IN	800 N	COLUMBUS IN 47201
03-06-17-000-000.301-006	BARTHOLOMEW COUNTY IN	150 E	COLUMBUS IN 47203
03-06-28-000-000.203-006	BARTHOLOMEW COUNTY COMMISSIONERS	550 N	COLUMBUS IN 47203
03-06-09-000-000.201-006	BARTHOLOMEW COUNTY COMMISSIONERS	COUNTY RD 300 E	COLUMBUS IN 47201
03-06-10-000-000.401-006	BARTHOLOMEW COUNTY COMMISSIONERS	900 N	HOPE IN 47246-1212
03-06-10-000-000.201-006	BARTHOLOMEW COUNTY IN	350 E	HOPE IN 47246
03-06-28-000-000.801-006	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47201
03-05-23-000-002.900-009	BARTHOLOMEW COUNTY COMMISSIONERS	650 N	TAYLORSVILLE IN 47280
03-05-23-310-001.001-009	BARTHOLOMEW COUNTY COMMISSIONERS	W 650 N	TAYLORSVILLE IN 47280

**Table C-8 INVENTORY OF NON-PRIORITY MS4 PROPERTIES**

03-95-34-430-000.200-005	BARTHOLOMEW COUNTY IN	200 S	COLUMBUS IN 47201
03-96-19-430-007.600-005	Foundation For Youth of Bartholomew County	307 Hope AVE	Columbus IN 47201-6453
03-96-19-320-002.800-005	UNITED WAY OF BARTHOLOMEW COUNTY INC	834 Werner	Columbus IN 47201-5959
03-07-36-240-003.003-013	Bartholomew County IN	BRIDGE R/W	COLUMBUS IN 47201
03-07-36-240-003.101-013	Bartholomew County IN	WASHINGTON ST	HARTSVILLE IN 47244
03-07-36-240-000.901-013	Bartholomew County IN	BRIDGE R/W-WASHINGTON ST	COLUMBUS IN 47201
03-96-16-240-002.408-005	BARTHOLOMEW COUNTY COMMISSIONERS	2625 FOXPOINTE DR	COLUMBUS IN 47203
03-96-16-240-900.004-005	BOARD OF COMMISSIONERS OF BARTHOLOMEW CO BOARD OF COM	2675 FOXPOINTE DR	COLUMBUS IN 47203
03-96-16-240-900.005-005	BOARD OF COMMISSIONERS BARTHOLOMEW COUNTY	FOXPOINTE DR	COLUMBUS IN 47203
03-96-16-240-900.006-005	BOARD OF COMMISSIONERS BARTHOLOMEW COUNTY	FOXPOINTE DR	COLUMBUS IN 47203
03-96-16-240-900.007-005	BOARD OF COMMISSIONERS BARTHOLOMEW COUNTY	FOXPOINTE DR	COLUMBUS IN 47203
03-96-13-000-000.605-001	BARTHOLOMEW COUNTY COMMISSIONERS	10150 E 25TH ST	COLUMBUS IN 47203
03-97-18-000-002.301-001	Bartholomew County IN	SR 46 E	HOPE IN 47246
03-96-13-000-001.501-001	BARTHOLOMEW COUNTY IN	SR 46	COLUMBUS IN 47201
03-96-11-000-001.001-001	BARTHOLOMEW COUNTY COMMISSIONERS	500 E	COLUMBUS IN 47203
03-96-14-000-000.200-001	BARTHOLOMEW COUNTY PARK BOARD	500 EAST	COLUMBUS IN 47201
03-96-14-000-003.201-001	Bartholomew County IN	500 E	COLUMBUS IN 47203
03-96-23-110-000.101-001	Bartholomew County IN	500 E	COLUMBUS IN 47203
03-74-11-000-001.901-015	BARTHOLOMEW COUNTY COMMISSIONERS	SR 58	SEYMOUR IN 47274-9013
03-74-02-000-001.201-015	BARTHOLOMEW COUNTY COMMISSIONERS	725 W	SEYMOUR IN 47274-8725
03-74-01-000-002.101-015	BARTHOLOMEW COUNTY COMMISSIONERS	S 725 W	COLUMBUS IN 47201
03-97-09-000-000.507-003	Bartholomew County Commissioners	N NEWBURN RD	COLUMBUS IN 47203
03-97-11-000-000.201-003	Bartholomew County Commissioners	300 N	HARTSVILLE IN 47244
03-97-11-000-000.302-003	Bartholomew County Commissioners	N 1100 E	HARTSVILLE IN 47244
03-97-09-430-001.300-003	BARTHOLOMEW COUNTY c/o Flood Plain Manager	E MAIN ST CLIFTY ST	COLUMBUS IN 47203
03-97-09-000-002.001-003	Bartholomew County Commissioners	MAIN ST	COLUMBUS IN 47203
03-97-09-000-000.505-003	Bartholomew County Commissioners	3855 N NEWBERN RD	COLUMBUS IN 47203
03-97-09-000-000.508-003	BARTHOLOMEW COUNTY COMMISSIONERS	N NEWBURN RD	COLUMBUS IN 47203
03-97-09-000-000.506-003	BARTHOLOMEW COUNTY COMMISSIONERS	N NEWBERN RD	COLUMBUS IN 47203
03-97-09-000-001.101-003	Bartholomew County Commissioners	NEWBERN RD	COLUMBUS IN 47203
03-97-12-000-001.702-003	BARTHOLOMEW COUNTY COMMISSIONERS	1200 E	COLUMBUS IN 47203
03-97-12-000-001.801-003	BARTHOLOMEW COUNTY COMMISSIONERS	1200 E	COLUMBUS IN 47203
03-97-12-000-001.400-003	BARTHOLOMEW COUNTY PARKS RECREATION	1140 E	HOPE IN 47246
03-97-12-000-001.301-003	BARTHOLOMEW COUNTY PARK BOARD	200N	COLUMBUS IN 47201
03-97-27-000-000.801-003	BARTHOLOMEW COUNTY IN	75 S	COLUMBUS IN 47203

**Table C-8 INVENTORY OF NON-PRIORITY MS4 PROPERTIES**

03-97-25-000-001.001-003	BARTHOLOMEW COUNTY IN	1200 E	COLUMBUS IN 47203
03-06-08-000-002.300-009	Bartholomew County IN	100 E 800 N	HOPE IN 47246
03-06-18-000-001.000-009	Bartholomew County IN	800 N	EDINBURGH IN 46124
03-06-07-000-000.902-009	Bartholomew County IN	800 N 100 E	EDINBURGH IN 46124
03-06-07-000-000.903-009	Bartholomew County IN	800 N 100 E	EDINBURGH IN 46124
03-05-15-000-000.510-009	BARTHOLOMEW COUNTY COMMISSIONERS	Behind US 31 HARTMAN RD	EDINBURGH IN 46124
03-05-10-000-001.901-009	BARTHOLOMEW COUNTY COMMISSIONERS	250 W 800 N	EDINBURGH IN 46124
03-06-05-000-000.701-009	BARTHOLOMEW COUNTY IN	100 E	EDINBURGH IN 46124
03-05-16-000-001.303-009	BARTHOLOMEW COUNTY PARK BOARD	HEFLEN PARK RD	Columbus IN 47201
03-05-21-000-000.501-009	BARTHOLOMEW COUNTY IN	TANNEHILL RD	COLUMBUS IN 47201
03-05-21-000-000.200-009	Board of Commissioners of Bartholomew County	700 N	COLUMBUS IN 47201
03-05-15-330-000.600-009	BARTHOLOMEW COUNTY PARK BOARD	700 N	COLUMBUS IN 47201
03-84-22-000-002.601-016	BARTHOLOMEW COUNTY IN	BECKS GROVE RD	COLUMBUS IN 47201
03-84-23-000-002.301-016	BARTHOLOMEW COUNTY IN	BECKS GROVE RD 800 W	COLUMBUS IN 47201
03-85-21-000-001.801-020	BARTHOLOMEW COUNTY COMMISSIONERS	600 S	COLUMBUS IN 47201-8994
03-85-20-000-003.102-016	BARTHOLOMEW COUNTY COMMISSIONERS	W 550 S	COLUMBUS IN 47201-9155
03-85-20-000-003.402-016	BARTHOLOMEW COUNTY COMMISSIONERS	400 W	COLUMBUS IN 47201
03-85-20-000-003.502-016	BARTHOLOMEW COUNTY COMMISSIONERS	400 W	COLUMBUS IN 47201
03-85-21-000-001.603-020	BARTHOLOMEW COUNTY COMMISSIONERS	400 W	COLUMBUS IN 47201
03-85-21-000-001.701-020	BARTHOLOMEW COUNTY COMMISSIONERS	S 400 W	COLUMBUS IN 47201
03-84-10-000-000.401-016	BARTHOLOMEW COUNTY IN	W BELLSVILLE PIKE	COLUMBUS IN 47201
03-84-10-000-001.501-016	BARTHOLOMEW COUNTY COMMISSIONERS	W BELLSVILLE PIKE	COLUMBUS IN 47201
03-84-12-000-000.501-016	BARTHOLOMEW COUNTY COMMISSIONERS	650 W	COLUMBUS IN 47201
03-85-09-000-001.701-020	BARTHOLOMEW COUNTY COMMISSIONERS	DEAVER RD	COLUMBUS IN 47201
03-85-07-000-002.001-016	BARTHOLOMEW COUNTY IN	300 S	COLUMBUS IN 47201
03-85-08-000-001.307-016	BARTHOLOMEW COUNTY COMMISSIONERS	DEAVER RD	COLUMBUS IN 47201
03-85-30-000-002.400-016	Bartholomew County IN	550 W	COLUMBUS IN 47201
03-85-30-000-002.500-016	Bartholomew County IN	550 W	COLUMBUS IN 47201
03-85-19-000-003.101-016	BARTHOLOMEW COUNTY COMMISSIONERS	S 500 W	COLUMBUS IN 47201
03-85-20-000-003.600-016	BARTHOLOMEW COUNTY c/o Flood Plain Manager	550 S	COLUMBUS IN 47201
03-84-14-000-002.701-016	BARTHOLOMEW COUNTY IN	MOORE S VINEYARD RD	COLUMBUS IN 47201
03-97-30-000-002.407-001	BARTHOLOMEW COUNTY COMMISSIONERS	100 S	COLUMBUS IN 47203
03-97-29-000-000.301-001	BARTHOLOMEW COUNTY COMMISSIONERS	SR 9	COLUMBUS IN 47203
03-97-19-000-000.201-001	Bartholomew County IN	650 E	COLUMBUS IN 47203
03-96-24-220-000.101-001	Bartholomew County IN	500 E	COLUMBUS IN 47203

**Table C-8 INVENTORY OF NON-PRIORITY MS4 PROPERTIES**

03-97-19-000-000.202-001	BARTHOLOMEW COUNTY COMMISSIONERS	50 N	COLUMBUS IN 47203
03-97-19-120-001.401-001	BARTHOLOMEW COUNTY COMMISSIONERS	650 E	COLUMBUS IN 47203
03-96-35-000-000.501-004	Bartholomew County Commissioners	100 S	COLUMBUS IN 47201
03-84-03-000-000.301-011	BARTHOLOMEW COUNTY COMMISSIONERS	WHITEHORSE RD	NASHVILLE IN 47448
03-86-17-000-000.101-018	Bartholomew County IN	400 S	COLUMBUS IN 47201
03-86-11-000-001.403-018	BARTHOLOMEW COUNTY COMMISSIONERS	400 S	COLUMBUS IN 47203
03-86-18-000-000.301-018	Bartholomew County IN	150 E	COLUMBUS IN 47201
03-86-17-000-000.201-018	Bartholomew County IN	150 E	COLUMBUS IN 47201
03-86-16-000-000.101-018	Bartholomew County IN	400 S 250 E	COLUMBUS IN 47201
03-86-09-000-001.201-018	Bartholomew County IN	400 S	COLUMBUS IN 47201-6722
03-86-09-000-000.901-018	Bartholomew County IN	400 S	COLUMBUS IN 47201-6722
03-86-34-310-001.200-018	BARTHOLOMEW COUNTY PARK BOARD	340 E 350 E	ELIZABETHTOWN IN 47232
03-86-33-000-000.301-018	BARTHOLOMEW COUNTY IN	800 S	COLUMBUS IN 47201
03-86-15-000-000.501-018	Bartholomew County IN	400 S US 31	COLUMBUS IN 47201
03-86-15-000-000.601-018	Bartholomew County IN	400 S 300 E	COLUMBUS IN 47201
03-86-08-000-000.701-018	Bartholomew County IN	175 E	COLUMBUS IN 47201-6722
03-86-08-000-000.601-018	Bartholomew County IN	150 E	COLUMBUS IN 47201-6722
03-86-14-000-000.601-018	BARTHOLOMEW COUNTY COMMISSIONERS	425 E	COLUMBUS IN 47203
03-86-34-000-002.201-018	BARTHOLOMEW COUNTY IN	325 E	COLUMBUS IN 47201
03-86-10-000-001.001-018	Bartholomew County IN	300 S	COLUMBUS IN 47201
03-86-10-000-001.202-018	BARTHOLOMEW COUNTY IN	400 S	COLUMBUS IN 47201
03-86-16-000-000.403-018	Bartholomew County IN	400 S	COLUMBUS IN 47201
03-76-02-000-001.002-018	BARTHOLOMEW COUNTY COMMISSIONERS	31 850 S	ELIZABETHTOWN IN 47232
03-86-11-000-001.500-018	Board of Commissioners of Bartholomew County	NEWSOM CEMETERY	COLUMBUS IN 47201
03-95-25-120-003.500-005	BARTHOLOMEW COUNTY BUILDING CORPORATION THEC/O J GRANT T	543 2ND ST	COLUMBUS IN 47201
03-95-24-430-006.500-005	BARTHOLOMEW COUNTY IN	440 3RD ST	COLUMBUS IN 47201
03-95-25-210-000.100-005	Bartholomew County LEB Courthouse	3RD WASHINGTON REAR	COLUMBUS IN 47201
03-95-24-340-002.600-005	BARTHOLOMEW COUNTY IN	3RD ST WASHINGTON ST	COLUMBUS IN 47201
03-95-24-430-011.500-005	BARTHOLOMEW COUNTY c/o Flood Plain Manager	3RD FRANKLIN ST	COLUMBUS IN 47201
03-95-21-000-001.801-004	BARTHOLOMEW COUNTY COMMISSIONERS	325 W	COLUMBUS IN 47201
03-95-35-410-000.100-005	BARTHOLOMEW COUNTY COMMISSIONERS	740 SPEAR ST	COLUMBUS IN 47201
03-95-34-440-000.300-005	BARTHOLOMEW COUNTY IN	200 S SHADOW CREEK BLVD	COLUMBUS IN 47201
03-95-34-440-000.100-005	BARTHOLOMEW COUNTY IN	200 S WILD ORCHID WAY	COLUMBUS IN 47201
03-95-34-440-000.200-005	BARTHOLOMEW COUNTY IN	200 S	COLUMBUS IN 47201
03-95-34-430-000.100-005	BARTHOLOMEW COUNTY IN	200 S	COLUMBUS IN 47201

**Table C-8 INVENTORY OF NON-PRIORITY MS4 PROPERTIES**

03-95-34-430-000.300-005	BARTHOLOMEW COUNTY IN	200 S	COLUMBUS IN 47201
03-95-34-430-000.400-005	BARTHOLOMEW COUNTY IN	200 S PARKVIEW DR	COLUMBUS IN 47201
03-95-34-000-001.301-004	BARTHOLOMEW COUNTY IN	200 S	COLUMBUS IN 47201
03-95-34-430-000.500-005	BARTHOLOMEW COUNTY IN	200 S WILD ORCHID WAY	COLUMBUS IN 47201
03-95-35-000-001.100-004	Board of Commmissioners of Bartholomew County	750 W 200 S	COLUMBUS IN 47201
03-95-35-330-000.200-005	BARTHOLOMEW COUNTY IN	200 S	COLUMBUS IN 47201
03-85-02-210-000.100-005	BARTHOLOMEW COUNTY IN	200 S 150 W	COLUMBUS IN 47201
03-95-35-330-000.300-005	Bartholomew County IN	200 S	COLUMBUS IN 47201
03-95-35-340-000.400-005	BARTHOLOMEW COUNTY IN	200 S	COLUMBUS IN 47201
03-95-35-340-000.500-005	Bartholomew County IN	200 S	COLUMBUS IN 47201
03-85-02-210-000.400-005	Bartholomew County IN	200 S 150 W	COLUMBUS IN 47201
03-85-02-210-000.300-005	Bartholomew County IN	200 S	COLUMBUS IN 47201
03-95-35-340-000.200-005	BARTHOLOMEW COUNTY IN	200 S WANDERING WAY	COLUMBUS IN 47201
03-95-35-330-000.100-005	BARTHOLOMEW COUNTY IN	200 S	COLUMBUS IN 47201
03-85-03-120-000.200-005	BARTHOLOMEW COUNTY IN	200 S PARKVIEW DR	COLUMBUS IN 47201
03-85-03-110-000.300-005	BARTHOLOMEW COUNTY IN	200 S	COLUMBUS IN 47201
03-95-02-340-002.600-005	BETHEL WESLEYAN CHURCH OF BARTHOLOMEW COUNTY	MAUDE MAR 4510 N 150 W	COLUMBUS IN 47203-9254
03-95-11-140-000.800-005	Bartholomew County Beverage Co	840 Depot ST	Columbus IN 47201-2296
03-94-24-000-005.401-011	BARTHOLOMEW COUNTY COMMISSIONERS	OLD NASHVILLE RD	COLUMBUS IN 47201
03-94-24-000-005.501-011	BARTHOLOMEW COUNTY COMMISSIONERS	OLD NASHVILLE RD	COLUMBUS IN 47201
03-94-24-000-005.701-011	BARTHOLOMEW COUNTY COMMISSIONERS	OLD NASHVILLE D RD	COLUMBUS IN 47201
03-94-23-000-001.801-011	BARTHOLOMEW COUNTY COMMISSIONERS	BAKER HOLLOW RD	COLUMBUS IN 47201
03-94-23-000-000.602-011	BARTHOLOMEW COUNTY COMMISSIONERS	BAKER HOLLOW RD	COLUMBUS IN 47201
03-94-23-000-000.701-011	BARTHOLOMEW COUNTY COMMISSIONERS	BAKER HOLLOW RD	COLUMBUS IN 47201
03-94-23-000-002.001-011	BARTHOLOMEW COUNTY COMMISSIONERS	BAKER HOLLOW RD	COLUMBUS IN 47201
03-94-15-000-002.601-011	BARTHOLOMEW COUNTY COMMISSIONERS	W GEORGETOWN RD	COLUMBUS IN 47201
03-95-35-000-000.501-004	Bartholomew County IN	200 S	COLUMBUS IN 47201
03-95-34-000-001.203-004	Bartholomew County IN	200 S 225 W	COLUMBUS IN 47201
03-95-17-000-000.702-011	BARTHOLOMEW COUNTY COMMISSIONERS	500 W	COLUMBUS IN 47201
03-95-17-000-000.601-011	Bartholomew County IN	200 N	COLUMBUS IN 47201
03-85-04-000-002.901-004	BARTHOLOMEW COUNTY COMMISSIONERS	300 S	COLUMBUS IN 47201
03-85-02-000-002.901-004	Bartholomew County IN	150 W 300 S	COLUMBUS IN 47201
03-86-03-000-000.201-004	Bartholomew County IN	ST RD 46 E US 31	COLUMBUS IN 47203
03-96-34-000-003.001-004	Bartholomew County IN	E STATE RD 46	COLUMBUS IN 47201
03-86-03-000-001.201-004	Bartholomew County IN	ST RD 46 E	COLUMBUS IN 47203



**Table C-8 INVENTORY OF NON-PRIORITY MS4 PROPERTIES**

03-85-01-000-000.305-004	BARTHOLOMEW COUNTY IN	JONESVILLE RD HUFFMAN RD	COLUMBUS IN 47201
03-95-27-000-001.101-004	BARTHOLOMEW COUNTY COMMISSIONERS	CARR HILL ROAD	Columbus IN 47201-8986
03-95-16-000-000.701-004	BARTHOLOMEW COUNTY COMMISSIONERS	325 WEST	COLULMBUS IN 47201
03-95-16-000-000.602-004	BARTHOLOMEW COUNTY COMMISSIONERS	325 WEST	COLUMBUS IN 47201
03-95-21-000-000.101-004	BARTHOLOMEW COUNTY COMMISSIONERS	325 W GEORGETOWN RD	COLUMBUS IN 47201
03-95-09-000-003.200-004	BARTHOLOMEW COUNTY Attn: Flood Plain Manager	3885 N 325 W	COLUMBUS IN 47201
03-95-09-000-003.400-004	BARTHOLOMEW COUNTY INDIANA Attn: Flood Plain Manager	3985 N 325 W	COLUMBUS IN 47201-9521
03-95-08-000-002.202-004	Bartholomew County IN	200 N	COLUMBUS IN 47201
03-95-08-000-001.801-004	BARTHOLOMEW COUNTY COMMISSIONERS	500 W	COLUMBUS IN 47201
03-95-08-000-001.901-004	Bartholomew County IN	200 N	COLUMBUS IN 47201
03-95-10-000-000.703-004	BARTHOLOMEW COUNTY COMMISSIONERS	LOWELL RD	COLUMBUS IN 47203-1110
03-95-09-000-002.600-004	BARTHOLOMEW COUNTY Attn: Flood Plain Manager	3705 N 325 W	COLUMBUS IN 47201
03-95-09-000-003.000-004	BOARD OF COMMISSIONERS OF BARTHOLOMEW COUNTY	3775 N 325 W	COLUMBUS IN 47201
03-95-09-000-003.100-004	BARTHOLOMEW COUNTY Attn: Flood Plain Manager	3835 N 325 W	COLUMBUS IN 47201
03-95-09-000-002.700-004	BOARD OF COMMISSIONERS OF BARTHOLOMEW COUNTY	3745 N 325 W	COLUMBUS IN 47201
03-95-09-000-002.800-004	BARTHOLOMEW COUNTY COMMISSIONERS	3775 N 325 W	COLUMBUS IN 47201
03-95-09-000-004.000-004	BARTHOLOMEW COUNTY COMMISSIONERS	CO RD 325 W	COLUMBUS IN 47201
03-95-21-000-001.501-004	BARTHOLOMEW COUNTY COMMISSIONERS	325 W	COLUMBUS IN 47201
03-95-21-000-000.201-004	BARTHOLOMEW COUNTY COMMISSIONERS	325 W	COLUMBUS IN 47201
03-95-16-000-000.301-004	BARTHOLOMEW COUNTY COMMISSIONERS	325 W	COLUMBUS IN 47201
03-95-16-000-000.601-004	BARTHOLOMEW COUNTY COMMISSIONERS	325 W	COLUMBUS IN 47201
03-95-16-000-000.303-004	Bartholomew County Commissioners	325 W	COLUMBUS IN 47201
03-07-15-000-001.002-012	BARTHOLOMEW COUNTY COMMISSIONERS	900 E	Hope IN 47246
03-07-16-000-000.901-012	BARTHOLOMEW COUNTY COMMISSIONERS	10990 N 900 E	Hope IN 47246-9681
03-07-28-000-001.600-012	BARTHOLOMEW COUNTY COMMISSIONERS	900 E LAKESHORE DR N	HOPE IN 47246
03-07-28-140-001.501-012	BARTHOLOMEW COUNTY COMMISSIONERS	900 E LAKE SHORE DR N	HOPE IN 47246
03-07-28-140-001.601-012	BARTHOLOMEW COUNTY COMMISSIONERS	900 E	HOPE IN 47246
03-07-28-140-002.701-012	BARTHOLOMEW COUNTY COMMISSIONERS	SCHAEFER LAKE	HOPE IN 47246
03-07-28-140-003.501-012	BARTHOLOMEW COUNTY COMMISSIONERS	900 E	HOPE IN 47246
03-07-04-000-001.001-012	BARTHOLOMEW COUNTY COMMISSIONERS	N COUNTY ROAD 900 E	HOPE IN 47246
03-07-19-000-001.301-012	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47201
03-07-19-000-001.101-012	BARTHOLOMEW COUNTY COMMISSIONERS	600 E	COLUMBUS IN 47201
03-07-19-000-001.201-012	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47201
03-07-30-000-000.501-012	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47201
03-07-30-000-000.601-012	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47201

**Table C-8 INVENTORY OF NON-PRIORITY MS4 PROPERTIES**

03-07-30-000-000.802-012	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	HOPE IN 47246
03-07-30-000-000.803-012	Bartholomew County IN	600 N	HOPE IN 47246
03-07-30-000-000.901-012	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47201
03-07-30-000-000.902-012	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47201
03-07-30-000-001.001-012	BARTHOLOMEW COUNTY COMMISSIONERS	600 E 600 N	HOPE IN 47246
03-07-28-000-000.706-012	BARTHOLOMEW COUNTY IN	500 N	HOPE IN 47246
03-07-28-000-000.801-012	BARTHOLOMEW COUNTY COMMISSIONERS	500 N	COLUMBUS IN 47201
03-07-33-000-001.403-012	BARTHOLOMEW COUNTY COMMISSIONERS	425 N	HOPE IN 47246
03-07-33-000-001.402-012	BARTHOLOMEW COUNTY COMMISSIONERS	N NEWBURN RD	COLUMBUS IN 47203
03-07-19-000-001.401-012	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47201
03-07-29-000-001.101-012	BARTHOLOMEW COUNTY COMMISSIONERS	500 N 700 E	HOPE IN 47246
03-07-30-000-000.101-012	BARTHOLOMEW COUNTY COMMISSIONERS	SR 9	COLUMBUS IN 47201
03-07-30-000-000.301-012	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47201
03-07-25-000-000.601-012	Bartholomew County IN	BRIDGE 61 R/W	COLUMBUS IN 47201
03-07-36-000-000.601-012	Bartholomew County IN	BRIDGE R/W ON 1125 E 1150 E	COLUMBUS IN 47201
03-07-20-000-000.801-012	BARTHOLOMEW COUNTY COMMISSIONERS	SR 9	COLUMBUS IN 47203
03-07-20-000-000.901-012	BARTHOLOMEW COUNTY COMMISSIONERS	600 N	COLUMBUS IN 47201
03-07-20-000-001.002-012	BARTHOLOMEW COUNTY COMMISSIONERS	N SR 9	COLUMBUS IN 47201
03-07-20-000-001.003-012	BARTHOLOMEW COUNTY COMMISSIONERS	N SR 9	COLUMBUS IN 47201
03-07-29-000-001.001-012	BARTHOLOMEW COUNTY COMMISSIONERS	N SR 9	COLUMBUS IN 47201
03-07-10-000-000.801-012	BARTHOLOMEW COUNTY COMMISSIONERS	800 N	HOPE IN 47246
03-07-15-000-000.501-012	BARTHOLOMEW COUNTY COMMISSIONERS	800 N	HOPE IN 47246
03-07-22-000-000.606-012	BARTHOLOMEW COUNTY COMMISSIONERS	620 N	HOPE IN 47246
03-07-17-000-001.601-012	BARTHOLOMEW COUNTY COMMISSIONERS	775 E	HOPE IN 47246
03-07-28-340-001.901-012	BARTHOLOMEW COUNTY COMMISSIONERS	500 N 825 E	HOPE IN 47246
03-07-33-000-000.508-012	BARTHOLOMEW COUNTY COMMISSIONERS	LAKE OVERLOOK	COLUMBUS IN 47201
03-07-27-000-000.402-012	BARTHOLOMEW COUNTY COMMISSIONERS	900 E	HOPE IN 47246
03-07-27-000-000.601-012	BARTHOLOMEW COUNTY COMMISSIONERS	900 E	HOPE IN 47246
03-07-27-000-000.403-012	BARTHOLOMEW COUNTY COMMISSIONERS	900 E	HOPE IN 47246
03-07-01-000-001.401-012	BARTHOLOMEW COUNTY COMMISSIONERS	950 N	HOPE IN 47246
03-07-16-000-000.702-012	BARTHOLOMEW COUNTY COMMISSIONERS	JACKSON RD	HOPE IN 47246
03-07-17-000-000.102-012	BARTHOLOMEW COUNTY COMMISSIONERS	775 E	HOPE IN 47246
03-07-17-000-000.202-012	BARTHOLOMEW COUNTY COMMISSIONERS	SR 9	HOPE IN 47246
03-85-11-000-001.001-020	BARTHOLOMEW COUNTY IN	150 W	COLUMBUS IN 47201
03-85-11-310-000.101-021	Bartholomew County Rural Electric Membership Corp	1697 W DEEVER RD	COLUMBUS IN 47201

**Table C-8 INVENTORY OF NON-PRIORITY MS4 PROPERTIES**

03-75-13-000-001.303-020	BARTHOLOMEW COUNTY COMMISSIONERS	1100 S	SEYMOUR IN 47274
03-85-23-000-003.200-020	BARTHOLOMEW COUNTY SHRINE CLUB	8630 S 150 West	COLUMBUS IN 47201
03-85-09-000-000.301-020	BARTHOLOMEW COUNTY COMMISSIONERS	300 S	COLUMBUS IN 47201
03-86-18-000-000.101-020	Bartholomew County IN	SOUTH SR 11	COLUMBUS IN 47201
03-86-18-000-000.102-020	Bartholomew County IN	SOUTH 31 A	COLUMBUS IN 47201
03-85-21-000-002.102-020	BARTHOLOMEW COUNTY COMMISSIONERS	600 S	COLUMBUS IN 47201
03-85-13-000-003.700-020	Bartholomew County Solid Waste	811 E 450 S	COLUMBUS IN 47201
03-85-24-000-000.200-020	BARTHOLOMEW COUNTY SOLID WASTE	450 S	COLUMBUS IN 47201

**Table C-9 Industrial Facilities within Bartholomew County**

<b>Facility Name</b>	<b>Address</b>	<b>Phone</b>	<b>Type of Industrial Activity (manufacturing, shipping, etc.)</b>	<b>Latitude</b>	<b>Longitude</b>
Pauls Columbus Auto Salvage LLC	625 S NATIONAL RD	812-372-5090	Salvage Yard	39.19	-85.852222

**Table C-10 Annual Report Information Summary**

- 4.3 (h)(1) Status of measureable goals, program requirements, compliance schedules, and timetables for this MCM. If objectives are not being met for a specific changes made to resolve problems identified.  
If objectives are not being met for a specific program element, explain the implementation problems encountered, and changes made to resolve problems identified.
- 4.3 (h)(2) A list of each public participation and outreach events and activities conducted, a description of the activity, an estimate of the number of attendees, and an assessment if the goals and objectives were met.
- 4.3 (h)(3) The number and types of construction and/or post-construction stormwater training opportunities that were provided to contractors, developers and builders, property owners (commercial, industrial, residential, homeowner associations, and other targeted entities during the reporting period.
- 4.3 (h)(4) Documentation that presentations were made to elected officials or boards.
- 4.3 (h)(5) Describe each targeted audience selected and how they were reached during the reporting period and describe behavioral changes observed.
- 4.3 (h)(6) A list of all public education materials used during the reporting period.
  
- 4.4 (k)(1) Status of measureable goals, program requirements, compliance schedules, and timetables for this MCM. If objectives are not being met for a specific changes made to resolve problems identified.  
If objectives are not being met for a specific program element, explain the implementation problems encountered, and changes made to resolve problems identified.
- 4.4 (k)(2) IDDE program updates.
- 4.4 (k)(3) A summary of any storm sewer system mapping changes to the stormwater outfall and conveyance maps.
- 4.4 (k)(4) Number of new MS4 outfalls mapped.
- 4.4 (k)(5) Number and location of dry weather outfalls screened for illicit discharges.
- 4.4 (k)(6) Number and location of illicit discharges detected.
- 4.4 (k)(7) Number and location of illicit discharges eliminated.
- 4.4 (k)(8) Number of illicit discharges and/or spills reported to the MS4 entity.
- 4.4 (k)(9) Number of enforcement actions taken by the MS4 entity.
  
- 4.5 (m)(1) Status of measureable goals, program requirements, compliance schedules, and timetables for this MCM. If objectives are not being met for a specific changes made to resolve problems identified.  
If objectives are not being met for a specific program element, explain the implementation problems encountered, and changes made to resolve problems identified.
- 4.5 (m)(2) The number of construction projects owned and/or operated by the MS4 entity that are active at the time of submittal.
- 4.5 (m)(3) The number of construction sites obtaining a MS4 entity-issued stormwater run-off permit or authorization to discharge.
- 4.5 (m)(4) The number of construction sites inspected.
- 4.5 (m)(5) The number and type of enforcement actions taken.
- 4.5 (m)(6) The number of public information requests and/or complaints received.
  
- 4.6 (j)(1) Status of measureable goals, program requirements, compliance schedules, and timetables for this MCM. If objectives are not being met for a specific changes made to resolve problems identified.  
If objectives are not being met for a specific program element, explain the implementation problems encountered, and changes made to resolve problems identified.
- 4.6 (j)(2) Updates to the post-construction ordinance or regulatory mechanism.
- 4.6 (j)(3) Number of sites requiring post-construction controls.
- 4.6 (j)(4) Number, type, and location of structural measures installed.
- 4.6 (j)(5) Number, type, and location of structural measures modified to function properly or improve water quality benefits.
- 4.6 (j)(6) Number, type, and location of structural measures inspected to ensure each meets design requirements and/or are being maintained.
  
- 4.7 (n)(1) Status of measureable goals, program requirements, compliance schedules, and timetables for this MCM. If objectives are not being met for a specific changes made to resolve problems identified.  
If objectives are not being met for a specific program element, explain the implementation problems encountered, and changes made to resolve problems identified.

**Table C-11 Annual Report Tracking Table**

Best Management Practice (BMP) Description <small>*(unless specified otherwise, BMPs are to be implemented annually)</small>	SWQMP Page	Measurable Goal	Responsible Entities MCPWQ/ Co-Permittees/ Other	2023
<b>Public Education and Outreach</b>				
<p>1</p> <p>Bartholomew County has identified erosion and sediment control BMP maintenance as its target stormwater issue. This topic will be included in educational materials that are distributed and put on the website. The County will also track individual lot inspections, compliance, and enforcement through its CSGP Project Inventory. The County will continue to provide stormwater pollution prevention and erosion control information on its website. Information specific to maintaining BMPs will be distributed to developers when permits are issued and/or during/following inspections. The information may include erosion control BMPs, CSGP regulations, or spill prevention and spill response planning. Training on the target issue will be incorporated into training for developers and County staff. <b>Stormwater Quality Issue identified at planning team meeting on June 14, 2022. Track the status of project approved/inspected. Track website updates and educational materials/training completed.</b></p>	5	Increase erosion and sediment control BMP maintenance by providing educational information.	MS4 Coordinator	
<p>2</p> <p>The County has identified proper yard waste disposal as its targeted stormwater issue for residential activities impacting stormwater quality. The County will include educational information related to lawn care, proper yard waste disposal, and proper lawn care disposal on its website and FB page and with information distributed related to proper disposal opportunities. Other distribution methods may include mailers, social media posts, and events. Materials will also be distributed by the SWCD and the SWMD. <b>Track the approximate number of residents educational materials reached (FB likes, views, hits, etc.).</b></p>	6	Increase public awareness and knowledge of the lawn care and proper yard waste disposal by providing educational materials and information to the public.	MS4 Coordinator	
<p>3</p> <p>The County has identified litter as its target stormwater issue focused on commercial/industrial activities. The County will educate commercial/industrial facilities through their website, Facebook page, and through educational brochures. <b>Stormwater Quality Issue identified at planning team meeting on June 14, 2022. Track the number of outreach activities conducted for SW issue (FB posts, mailers, website, etc.). Track the approximate number of businesses educational materials reached (FB likes, views, hits, etc.).</b></p>	7	Increase awareness about preventing and cleaning up litter as well as dumpster and trash can maintenance to industrial/commercial sites through education.	MS4 Coordinator	

Best Management Practice (BMP) Description <small>*(unless specified otherwise, BMPs are to be implemented annually)</small>	SWQMP Page	Measurable Goal	Responsible Entities MCPWQ/ Co-Permittees/ Other	2023
<b>Public Education and Outreach (continued)</b>				
4 The Purdue University Extension of Bartholomew County conducts programs and activities related to stormwater such as Pesticide Sweep, Master Gardeners, Pond Workshops, Soil Heath Classes, and Pollinator Classes. At least one event will be held annually. The County will help to promote and support these events, post event information on their website, and assist with distributing educational information. <b>Track the number of public events completed, information provided/reviewed, and the approximate number of participants.</b>	8	Increase local knowledge on stormwater issues by providing an annual public event for participation.	MS4 Coordinator, Purdue University Extension of Bartholomew County	
5 The Bartholomew County SWCD conducts programs and activities related to stormwater such as Ag Days, 4-H Fair, Girl Scout Activities, Rain Barrel sales, the Conservation Corridor demonstration project, tree sales, and classroom programs, Weed Wrangles (Invasive Species Management). At least one event will be held annually. The County will help to promote and support these events, post event information on their website, and assist with distributing educational information. <b>Track the number of public events completed, information provided/reviewed, and the approximate number of participants.</b>	9	Increase local knowledge on stormwater issues by providing a annual public event for participation.	Bartholomew County SWCD	
6 Develop a list of educational materials for distribution and outreach opportunities for constituents. Maintain a list of all public education materials developed and used throughout the permit cycle, including those resources from existing programs. Identify all educational materials developed for constituents to learn about MS4 and stormwater and list in a form/table/spreadsheet. Develop additional materials as needed. <b>Track educational materials used throughout the year on the List of Educational Materials.</b>	10	Organize and review developed materials to ensure the information is relevant prior to distribution.	MS4 Coordinator, SWMD, Purdue Extension, SWCD	
7 Bartholomew County will distribute information/brochures when Construction Water Quality Permits are applied for, or when they are issued. The information may include sediment and erosion control BMPs, Construction Stormwater General Permit (CSGP) regulations, spill prevention and spill response planning, and post-construction BMP information. The stormwater website also contains information on construction permits and ordinances and erosion and sediment control measures. The County will distribute educational information with permits or application packets and provide for an annual training event. The training event may be conducted in cooperation with other entities, such as the Purdue University Extension of Bartholomew County or the City of Columbus. These educational efforts target stormwater education and construction site pollution prevention. <b>Document completed training through attendance sheets, online training confirmation, completed quizzes, etc. Record the number of erosion control educational information/brochures distributed to developers that applied for a building permit.</b>	11	Increase knowledge of MS4 construction and post-construction processes and procedures to contractors through training.	MS4 Coordinator	

Best Management Practice (BMP) Description <small>*(unless specified otherwise, BMPs are to be implemented annually)</small>	SWQMP Page	Measurable Goal	Responsible Entities MCPWQ/ Co-Permittees/ Other	2023
<b>Public Education and Outreach (continued)</b>				
8 The County's stormwater ordinances and CSGP submittal documents are currently on the County stormwater website. The County will continue to revise and maintain a stormwater information web page that contains stormwater information. The site must include: (1)Location for the public to report stormwater quality issues (2)Information and resources to educate visitors to the site (3)MS4 stormwater ordinances (4)Stormwater fees and rates (5)MS4 program information (SWQMP, annual reports, and other applicable information). <b>Record the dates the website was updated and annually reviewed.</b>	12	Increase public awareness and participation by providing stormwater information on the MS4 website.	MS4 Coordinator	
9 Bartholomew County will educate constituents on illicit discharges and proper disposal of waste through the activities with the SWMD, SWCD, and the advertising of public reporting efforts. Constituents include public employees, schools, businesses, and the general public. <b>Document completed events through attendance sheets or estimates of attendees. Record the number of educational information/brochures distributed.</b>	13	Increase public knowledge about illicit discharges through annual events and ongoing educational messages.	MS4 Coordinator	
10 Stormwater program updates will be presented to elected officials or an advisory board annually. These meetings will provide stormwater education to attendees as well as an opportunity to solicit public involvement. Bartholomew County holds Commissioner meetings at least monthly or more frequently as needed. These meetings are open to the public. Citizen participation will be facilitated through these meetings. <b>Record the date of the meeting and the information reviewed.</b>	14	Provide an opportunity to inform elected officials of program status and achievements and for the community to be involved with stormwater drainage planning and to express concerns.	MS4 Coordinator, County Commissioners	
11 Bartholomew County maintains information on its website regarding the reporting of illicit discharges to the MS4 Coordinator. Members of the community are encouraged to report pollution, illegal dumping, illicit discharges, construction site concerns, and other stormwater concerns. Complaints are entered into an online form or called in to the SWCD. Complaint forms are used to record the information and the progress of resolving the complaint is tracked. The process for complaint tracking is documented in an SOP. Advertising the complaint process will provide public education to reduce pollutants entering the stormwater system and a subsequent investigation will eliminate sources of pollution. The resulting follow up and resolution of complaints will address potential pollutants. <b>Record the number of public information requests and/or complaints received and a summary of the issues and their resolution.</b>	15	All complaints will be recorded, investigated within two business days, and tracked. The complaint information will be posted on the County's webpage and also advertised. The number of complaints will be sorted by type (flooding, erosion, water quality, dumping, construction site, or other). The complaint tracking SOP will be maintained.	MS4 Coordinator	



Best Management Practice (BMP) Description <small>*(unless specified otherwise, BMPs are to be implemented annually)</small>	SWQMP Page	Measurable Goal	Responsible Entities MCPWQ/ Co-Permittees/ Other	2023
<b>Illicit Discharge Detection and Elimination</b>				
12 The County currently maintains and enforces an illicit discharge ordinance. The illicit discharge ordinance will be reviewed and updated to meet the requirements of the MS4GP. This will include a review of enforcement procedures and update, as necessary, to make the enforcement measures effective. <b>Retain a copy of the ordinance and record the status of any updates.</b>	17	Continue to maintain and enforce the illicit discharge ordinance. Review and update to meet the MS4's needs and the permit requirements.	MS4 Coordinator, County Commissioner	
13 The MS4 will perform screenings of all outfalls during the five-year permit term. In addition, the stormwater conveyance system will also be monitored by staff to address any maintenance or illicit discharge issues. The MS4 maintains an SOP for staff to follow in performing dry weather screening. <b>Document screenings and retain copies of Dry Weather Screening Forms. Retain list number and location of outfall screened, and illicit discharges detected and eliminated.</b>	18	Develop a schedule and perform visual inspections of outfalls and screen for illicit discharges. Perform regular inspections of the stormwater conveyance by training staff to address issues.. Maintain SOP for staff to follow in performing dry weather screenings.	County Surveyor	
14 The MS4 will continue to identify and map any active industrial facilities that discharge to an MS4 conveyance. Facility names, addresses, telephone numbers, and type of industrial activity will be recorded. The MS4 will identify and map industrial facilities within the MS4 area that discharge into an MS4 conveyance and maintain it in mapping records. <b>Record the date that mapping is completed and the status of any updates.</b>	19	Locations and information on industrial facilities will be entered into County mapping the first year of the permit term.	MS4 Coordinator, GIS Mapping Division	
15 The SWMD provides household hazardous waste collection for residents and business at the Columbus/Bartholomew County Recycling Center. The collection is advertised through various means including Facebook posts, their website, flyers, and the local newspaper. Brochures about Tox-Away, Adopt-a-Road, and recycling opportunities are distributed at events and available at the SWMD office. <b>Report the amount of material collected. Report efforts used to promote the programs.</b>	20	Promote household hazardous waste collection opportunities on the website. Coordinate with SWMD to obtain records of number of participants and amount of material collected. Increase public knowledge about proper waste disposal through annual events and ongoing educational messages.	The SWMD is responsible for collection. The MS4 Coordinator is responsible for assisting with promotion of the events and reporting and record keeping.	

Best Management Practice (BMP) Description <small>*(unless specified otherwise, BMPs are to be implemented annually)</small>	SWQMP Page	Measurable Goal	Responsible Entities MCPWQ/ Co-Permittees/ Other	2023
<b>Illicit Discharge Detection and Elimination (continued)</b>				
16 SOPs are maintained for illicit discharge investigation, dry weather outfall screenings, and complaint tracking. These SOPs include: procedures and forms for investigating illicit discharges within two business days of being notified of the discharge, inspection requirements in response to complaints, follow-up inspections to ensure corrective actions, methods used to eliminate illicit discharges, a prioritization system, procedures for reporting immediate threats to human health or the environment, and a system to track illicit discharges. SOPs are reviewed and updated as necessary. Staff are trained on SOPs as applicable to their job functions. <b>Maintain copies of the SOPs. Record number of illicit discharges detected and eliminated. Maintain records of staff training.</b>	21	Maintain SOPs for illicit discharge investigation, dry weather screening, and complaint tracking. Review the SOPs annually. Conduct training for applicable staff annually.	MS4 Coordinator	
18 A storm sewer map depicting conveyances and outfall locations is maintained electronically by the County. Outfalls are identified by an alphanumeric identifier, latitude and longitude to 5 decimal places. Receiving waters are mapped and their status on the 303(d) list and/or USEPA approved Total Maximum Daily Load (TMDL) is noted, if applicable. Mapping of public and private systems is updated when new projects are accepted. Mapping of additional outfalls and conveyances are added as they are identified. Mapping of high priority areas will be completed in the first year of the permit term based on complaints, illicit discharges, land use, and other issues and updated as needed. <b>The mapping is ongoing and is part of the County GIS system. Record the status of maintaining the database, the total number of outfalls, the number of outfalls added to the database, and the status of including high priority areas.</b>	22	Maintain storm sewer and outfall mapping. Map outfalls and conveyances as they are identified. Notate high priority areas based on complaints, illicit discharges, and other issues.	MS4 Coordinator, GIS Mapping Division	

Best Management Practice (BMP) Description (unless specified otherwise, BMPs are to be implemented annually)	SWQMP Page	Measurable Goal	Responsible Entities MCPWQ/ Co-Permittees/ Other	2023
<b>Illicit Discharge Detection and Elimination (continued)</b>				
19 The MS4 shall provide the required hours of education annually to appropriate municipal staff on stormwater pollution prevention, good housekeeping practices for municipal operations, and illicit discharge detection and elimination. Additional training on SOPs will be included annually. Training will be conducted using videos, individual training materials, and multi-departmental meetings. Training topics are maintained in a training matrix which will be updated to reflect MS4GP permit requirements and MS4 staff training needs. <b>Training will be documented by recording the name and title of participating employee(s), date of training and a description of training provided.</b>	23	Develop training topics based upon review of current practices. Provide the required number of hours of education for applicable staff members annually.	MS4 Coordinator	
20 Bartholomew County does not have any combined sewers and does not have a Combined Sewer Overflow Plan or Long Term Control Plan. <b>Document that this BMP is not applicable in MS4 Annual Reports.</b>	24	N/A	N/A	
21 The MS4 does not have any receiving waters with a USEPA approved TMDL. The Driftwood River and Clifty Creek are on the 303(d) list for <i>E. coli</i> . Bartholomew County will continue to implement BMPs to minimize the potential for pollutants in receiving waters through the six minimum control measures. The MS4 will continue to review the lists each permit term and update the SWQMP and WQCR accordingly. <b>Document review of TMDL and 303(d) information each permit term and update SWQMP and WQCR accordingly.</b>	25	Review the USEPA approved TMDLs and 303(d) lists at the beginning of each permit term. Add information to SWQMP and WQCR and update BMPs accordingly.	MS4 Coordinator	
<b>Construction Site Stormwater Run-Off</b>				
22 Develop/revise and implement a construction stormwater run-off ordinance and/or adopt written standards and specifications for the implementation of stormwater quality measures on construction sites that establishes at least the following: (1) Regulate projects with a land disturbance greater than or equal to one acre, or disturbances of less than one acre of land that are part of a larger common plan or development or sale when the larger common plan will ultimately disturb one or more acres. (2) Contains the requirements of the CSGP apart from state permitting process references and submittal deadlines for construction plans and permit applications. (3) Establish a requirement that any project within the MS4 area that meets the applicability of the CSGP must submit a NOI to obtain permit coverage from IDEM in addition to any procedural requirements for submittal to the MS4 entity or MS4 designated entity. (4) Develop and/or adopt written standards and specifications for the implementation of stormwater quality measures on construction sites. Requirements for submittal to the MS4 entity or MS4 designated entity. <b>Record reviews and revisions of the ordinance and standards within MS4GP Annual Report.</b>	27	Develop and implement an ordinance that is consistent with the requirements of the MS4GP and CSGP. Review ordinance and standards annually and revise as appropriate.	MS4 Coordinator, County Commissioners	
23 CSGP submittals are submitted to the Bartholomew County SWCD and are reviewed by a consultant. The plan review includes an evaluation of the submittal for compliance with the CSGP, MS4GP, ordinance, and standards and is documented on IDEM's form. Deficiencies identified during plan review are to be resolved prior to plan approval and NOI submittal. <b>Record reviews and revisions of the plan review SOPs. Record the number of construction sites reviewed by the MS4.</b>	28	Review construction projects under the CSGP. Maintain SOPs for the plan review process.	MS4 Coordinator, MS4's Consultant	

Best Management Practice (BMP) Description <small>*(unless specified otherwise, BMPs are to be implemented annually)</small>	SWQMP Page	Measurable Goal	Responsible Entities MCPWQ/ Co-Permittees/ Other	2023
<b>Construction Site Stormwater Run-Off (continued)</b>				
24 MS4 owned and/or operated projects are to comply with the County's Soil Erosion and Sediment Control Ordinance and CSGP requirements by submitting construction plans and SWPPPs to IDEM. The County maintains an SOP for this process. The County will comply with requirements of the CSGP and MS4GP. The County strictly enforces project self-monitoring. Maintain all MS4's CSGP submittal documents. Record each construction project owned and/or operated by the MS4.	29	Submit all CSGP qualifying construction projects for plan review. Develop an SOP for CSGP submittals across all MS4 departments.	MS4 Coordinator	
24 As construction plans are submitted for review, identify priority sites for inspection based on the nature and extent of the construction activity, topography, threat to the degradation of water quality, characteristics of soils, complaints, and other factors as determined by MS4 priorities. Priority designation is recorded on the IDEM form during plan review. All identified priority sites are to be inspected biannually. <b>Record the number of construction projects designated as a priority each year.</b>	30	Evaluate all qualifying construction projects for priority during the plan review process. Include the identification of priority sites in the plan review process SOP.	MS4 Coordinator, MS4's Consultant	
25 Bartholomew County SWCD or their consultant conduct construction stormwater inspections to ensure stormwater quality measures are properly installed and maintained. At a minimum these inspections: use a form or checklist, identify method to notify of compliance status, and identify priority sites. Inspections are tracked with a CSGP Project Inventory. Sites that are out of compliance have follow-up inspections and/or action as identified in the MS4's policy and procedures to enforce the local ordinance. <b>Document all construction site inspections and enforcement actions on the form. Record the number of construction sites inspected annually.</b>	31	Complete construction site inspections per required frequency. Develop and maintain SOPs for inspections.	MS4 Coordinator, MS4's Consultant	
27 The County has developed policies and procedures to enforce the construction stormwater ordinance including compliance and escalating enforcement actions. Enforcement actions, depending on the level of severity of violation, may include any of the following: warning letters of noncompliance, required corrective actions, failure to correct noncompliance, violation notices, assessment of penalties, and stop work orders. <b>Maintain inspection forms documenting non-compliance issues. Maintain all correspondence related to an enforcement action.</b>	32	Develop and maintain SOP(s) for enforcement actions. Document non-compliance and enforcement actions on the inspection form.	MS4 Coordinator Code Enforcement	

Best Management Practice (BMP) Description <small>*(unless specified otherwise, BMPs are to be implemented annually)</small>	SWQMP Page	Measurable Goal	Responsible Entities MCPWQ/ Co-Permittees/ Other	2023
<b>Construction Site Stormwater Run-Off (continued)</b>				
<p>28 The County SWCD maintains an inventory of all construction site projects subject to the CSGP and ordinance, and those that are owned and/or operated by the MS4. The following information is tracked: project name, latitude/longitude or address, receiving water(s), project start date, project status, and compliance status/enforcement actions.</p> <p>Upon notification by IDEM, the MS4 will produce the inventory within 48 hours of notification or on a regular schedule as designated by IDEM, but no more frequently than monthly.</p> <p><b>Maintain the inventory record and use for Annual Reporting.</b></p> <ul style="list-style-type: none"> <li>•The number of active construction projects owned and/or operated by the MS4.</li> <li>•The number of construction sites obtaining a MS4-issued stormwater run-off permit.</li> <li>•The number of construction sites inspected.</li> <li>•The number and type of enforcement actions taken.</li> </ul>	33	Track all CSGP construction sites, activities, and compliance status	MS4 Coordinator, MS4's Consultant	
<p>30 Complete and document annual training attended by MS4 staff and/or contractual staff that are specific to their responsibility (e.g., plan review, inspection, compliance, and enforcement) the individual performs for the MS4. Documentation must include:</p> <ul style="list-style-type: none"> <li>•Responsibility of staff member.</li> <li>•Dates and types of training attended.</li> <li>•List of professional certifications MS4 staff have obtained or maintain. <b>Track completed training by MS4 staff. Contractual staff retain documentation of annual construction stormwater training specific to the responsibility the individual performs for the MS4 entity. Annual training completed according to the employees' certifications.</b></li> </ul>	34	Increase plan reviewer and construction inspector knowledge by receiving annual training.	MS4 Coordinator, MS4's Consultant	

Best Management Practice (BMP) Description <small>*(unless specified otherwise, BMPs are to be implemented annually)</small>	SWQMP Page	Measurable Goal	Responsible Entities MCPWQ/ Co-Permittees/ Other	2023
<b>Post-Construction Site Stormwater Run-Off</b>				
32 The County will review and update an ordinance and standards to include the requirements of the MS4GP that contains: 1. Regulate land disturbance of 1 acre or more and areas less than 1 acre that are part of a larger plan of development 2. Require plans to be reviewed and approved by the MS4 3. Regulate all gas stations and fueling areas regardless of amount of disturbance 4. Develop standards for the design of stormwater detention and water quality treatment 5. Develop list of measures and standards to include structural and non-structural practices as well as low impact and green infrastructure principals 6. Require pretreatment for infiltration practices or direct discharges to groundwater in wellhead protection areas and karst features 7. Require the owner of the BMP to have a written O&M Manual to inspect and maintain stormwater practices for proper function 8. Include inspection and enforcement authority. <b>Annually review ordinance and standards. Record reviews and any revisions of the ordinance and standards.</b>	36	Adopt the ordinance to require the implementation of water quality practices for land disturbances.	MS4 Coordinator, County Commissioners	
33 The post-construction plan review process is incorporated into the Construction Stormwater Plan Review BMP, process, and SOPs. CSGPs for approval are submitted to Bartholomew County. The plan reviewer evaluates the submittal in accordance with the CSGP, MS4GP, ordinance, and standards. The plan review is documented on IDEM's form. Deficiencies identified during plan review are resolved prior to plan approval and NOI submittal. <b>Record the number of plan reviews with post-construction controls. Record the number, type and location of post-construction measures installed (Table C-6).</b>	37	Review construction plans under the CSGP. Maintain SOPs for the plan review process.	MS4 Coordinator, MS4's Consultant	
34 MS4-owned structural BMPs are inspected to determine if they are maintained and functioning properly annually or in response to a complaint or issue. The County does not currently own any structural BMPs, but will follow this BMP should any be identified or constructed. <b>Track/record the number, type, and location of BMPs installed, inspected and/or modified to function properly or improve stormwater quality.</b>	38	Develop and maintain an O&M Manual for MS4-owned BMPs. Develop and maintain SOPs for inspections. Complete post-construction inspections for MS4-owned BMPs per the schedule.	MS4 Coordinator	

Best Management Practice (BMP) Description <small>*(unless specified otherwise, BMPs are to be implemented annually)</small>	SWQMP Page	Measurable Goal	Responsible Entities MCPWQ/ Co-Permittees/ Other	2023
<b>Post-Construction Site Stormwater Run-Off (continued)</b>				
35 The MS4 inspects all privately-owned/operated post-construction structural BMPs at least once per permit term to ensure the practices are maintained and operating as designed per the O&M Manual submitted for the measure(s). The MS4 maintains an SOP and an inspection form/checklist that documents corrective actions. <b>Complete inspections and maintain copies of inspection forms. Track/record the number, type, and location of private-BMPs inspected.</b>	39	Maintain the submitted private-BMP's O&M Manuals. Develop and maintain SOPs for inspections by the MS4. Complete inspections for private-BMPs immediately after construction. Complete routine inspections for private-BMPs per schedule.	MS4 Coordinator	
36 The County completes and documents annual training attended by MS4 staff and/or contractual staff that is specific to the responsibility (i.e., plan review, inspection, compliance, and enforcement) the individual performs. Documentation includes the following: <ul style="list-style-type: none"> <li>•Responsibility of staff member.</li> <li>•Dates and types of training attended.</li> <li>•List of professional certifications MS4 staff have obtained or maintain.</li> </ul> <b>Track completed training by MS4 staff. Contractual staff retain documentation of annual construction stormwater training specific to the responsibility the individual performs for the MS4 entity.</b>	40	Increase plan reviewer and inspector knowledge by receiving annual training.	MS4 Coordinator, MS4's Consultant	

Best Management Practice (BMP) Description <small>*(unless specified otherwise, BMPs are to be implemented annually)</small>	SWQMP Page	Measurable Goal	Responsible Entities MCPWQ/ Co-Permittees/ Other	2023
<b>Municipal Operations Pollution Prevention &amp; Good Housekeeping</b>				
37 An inventory of MS4 owned/operated facilities is maintained and includes a location map, facility name/description, address or longitude/latitude, site permits, primary contact, alternate contact, and determination if the site has the potential to generate stormwater pollution (priority site). <b>Maintain MS4 Priority Facilities (Table C-7), Map of MS4 Facilities, and Inventory of Non-Priority MS4 Properties (Table C-8).</b>	43	Identify MS4 facilities, prioritize pollution generating sites, and a maintain list and map.	MS4 Coordinator	
38 The MS4 maintains site SWPPPs for the priority sites including site map, corrective actions, maintenance activities, operations, and other SOPs. Each plan discusses plan review and updating, good housekeeping, proper storage, maintenance activities, vehicle and equipment washing and storage, site snow disposal/salt management, site pesticide use, site waste disposal, spill prevention and response, and SPCC compliance. Each site SWPPP includes the information above from Section 4.7 (d) of the MS4GP. SWPPPs were developed during previous permit terms and have been updated and revised. <b>Maintain a copy of the SWPPP at each site. Maintain Quarterly Facility Inspections and Annual Facility Assessments with the SWPPP.</b>	44	Maintain site SWPPPs and update annually.	MS4 Coordinator, Superintendent, County Parks, and SWMD	
39 The County will complete and document quarterly inspections to ensure materials and equipment are clean and orderly and to minimize the potential for pollutant discharge for all facilities (priority sites) with SWPPPs. The inspection report must include any identified deficiencies and the corrective actions taken or planned to address the deficiencies. Site-specific inspection forms have been developed as part of each SWPPP and include the above information. One quarterly inspection will be completed by MS4 Coordinator or designated individual as the Annual Facility Assessment (see Annual Facility Assessment BMP). <b>Maintain quarterly inspections with the SWPPP at each site and provide a copy to the MS4 Coordinator. Record all deficiencies on the inspection form and associated corrective action.</b>	45	Complete inspections quarterly and maintain with SWPPPs.	MS4 Coordinator, Superintendent, County Parks, and SWMD	



Best Management Practice (BMP) Description <small>*(unless specified otherwise, BMPs are to be implemented annually)</small>	SWQMP Page	Measurable Goal	Responsible Entities MCPWQ/ Co-Permittees/ Other	2023
<b>Municipal Operations Pollution Prevention &amp; Good Housekeeping (continued)</b>				
40 The County will annually assess identified priority facilities (from inventory) for potential pollutants, existing operations (material storage, housekeeping practices, erosional features, vehicle washing, proximity of activities to drains and outfalls, etc.), the overall good housekeeping program, and other activities. Assess the map of the existing structural and non-structural stormwater management measures. The Annual Assessment uses the SWPPP inspection form and a written description of observed practices and activities and corrective actions. <b>Maintain the Annual Assessments with the SWPPP at each site. Record all deficiencies on the inspection form and associated corrective action. Update SWPPP as needed.</b>	46	Complete assessments annually and maintain with SWPPP.	MS4 Coordinator	
41 Periodic litter collection is part of the O&M Plan for MS4-owned/operated stormwater infrastructure. The maintenance activities, schedules, disposal methods, and inspection procedures for the BMP are described in the SOP. County employees conduct litter pick-up as needed and as a general housekeeping practice at County facilities. Areas are identified through surface visual inspections and complaints. Clean up of large debris, such as tires, is tracked. <b>Maintain the SOP that describes the schedules, responsible entities, tracking, and disposal. Track clean up of large debris and estimates of overall litter pickup.</b>	47	Collect litter to prevent conveyance contamination and clogging. Develop and maintain SOP.	County Highway SWMD	
42 Stormwater structure cleaning is part of the O&M Plan for MS4-owned/operated stormwater infrastructure. The maintenance activities, schedules, disposal methods, and inspection procedures for the BMP are described in the SOP. <b>Maintain the SOP that describes the schedules, responsible entities, tracking, and disposal. Track estimates of amount of debris removed from catch basins, or number of catch basins cleaned.</b>	48	Reduce the amount of floatables and other pollutants discharged by cleaning stormwater structures and conveyances. Develop and maintain SOP.	County Highway responsible for BMP and reporting to MS4 Coordinator	
43 Roadside shoulder and ditch stabilization is part of the O&M Plan. The maintenance activities, schedules, disposal methods, and inspection procedures for the BMP are described in the SOP. Each department is responsible for stabilization after a project (e.g., utility line installation). Areas are identified through surface visual inspections and complaints. <b>Maintain the SOP that describes the schedules, responsible entities, tracking, and disposal. Track estimate of area (square feet) of shoulder/ditch stabilization.</b>	49	Repair shoulders and ditches to prevent accidents and sedimentation from entering conveyances. Develop and maintain SOP.	County Highway responsible for BMP and reporting to MS4 Coordinator	

Best Management Practice (BMP) Description <small>*(unless specified otherwise, BMPs are to be implemented annually)</small>	SWQMP Page	Measurable Goal	Responsible Entities MCPWQ/ Co-Permittees/ Other	2023
<b>Municipal Operations Pollution Prevention and Good Housekeeping (continued)</b>				
44 Planting and proper care of roadside vegetation is part of the O&M Plan. The maintenance activities, schedules, disposal methods, and inspection procedures for the BMP are described in the SOP. Each department is responsible for restoring vegetation after a project (e.g., utility line installation). Areas are identified through surface visual inspections and complaints. <b>Maintain the SOP that describes the schedules, responsible entities, tracking, and disposal. Track maintenance activities and corrective actions with Roadside Vegetation Form.</b>	50	Maintain roadside vegetation to prevent accidents and sedimentation from entering conveyances. Develop and maintain SOP.	County Highway responsible for BMP and reporting to MS4 Coordinator	
45 Remediation of outfall scouring is part of the O&M Plan for MS4-owned/operated stormwater infrastructure. The maintenance activities, schedules, disposal methods, and inspection procedures for the BMP are described in the SOP. The MS4 will conduct dry weather inspections at all MS4-owned/operated storm sewer outfalls at least once per permit term. Outfalls will be evaluated for erosion scouring conditions during outfall inspections. Erosion and scouring will be repaired by placing riprap around the outfall and in eroded areas. Severely eroded areas may require additional measures or work to be contracted out, as determined by the MS4 operator. Each department is responsible for notifying the responsible department when a site outfall requires remediation. Along with routine schedules/inspections, areas are identified through surface visual inspections and complaints. <b>Maintain the SOP that describes the schedules, responsible entities, tracking, and disposal. Track number of outfalls repaired.</b>	51	Repair outfalls as needed to prevent scouring and to prevent sediment from entering conveyances. Develop and maintain SOP.	County Highway responsible for BMP and reporting to MS4 Coordinator	
46 Repairing stormwater conveyances and infrastructure is part of the O&M Plan for MS4-owned/operated stormwater infrastructure. The maintenance activities, schedules, disposal methods, and inspection procedures for the BMP are described in the SOP. Each department is responsible for notifying the responsible department when conveyances require cleaning or repair. Along with routine schedules, areas are identified through surface visual inspections and complaints. <b>Maintain the SOP that describes the schedules, responsible entities, tracking, and disposal. Track estimate of area (square feet) or length (feet) of stormwater conveyance maintained and type of conveyance (ditch, pipe, etc.).</b>	52	Repair stormwater conveyances (infrastructure) to prevent sedimentation from entering conveyances. Develop and maintain SOP.	County Highway responsible for BMP and reporting to MS4 Coordinator	
47 The Conservation Corridor display at the Fairgrounds and County parks has pet waste stations and related educational signage which are maintained by the County Parks Department. <b>Record the number and location of pet waste stations.</b>	53	The County will maintain the pet waste stations and promote proper disposal of pet waste through educational signage.	Parks	

Best Management Practice (BMP) Description <small>*(unless specified otherwise, BMPs are to be implemented annually)</small>	SWQMP Page	Measurable Goal	Responsible Entities MCPWQ/ Co-Permittees/ Other	2023
<b>Municipal Operations Pollution Prevention and Good Housekeeping (continued)</b>				
<p>48 For very heavy snow events, Bartholomew County has designated areas for snow disposal. Normally, snow is piled along the edge of streets. The County manages and stores salt and other de-icing materials to minimize the discharge of stormwater run-off from the facility by:</p> <ol style="list-style-type: none"> <li>1)Minimizing run-off and run-on.</li> <li>2)Utilizing and maintaining permanent structures and/or coverings, thereby reducing the discharge of polluted stormwater run-off.</li> <li>3)Managing operations to address tracking and spillage.</li> </ol> <p>Road salt and brine are applied as needed to street surfaces. They are stored at the Old County Garage in a way the reduces the potential for stormwater pollution. The minimum amount of chemicals necessary to achieve the desired result should be used. Staff involved in road salt storage and application will be trained annually. These practices will prevent concentrated amounts of salt from entering stormwater runoff. The County Garage SWPPP includes snow disposal area and salt management measures and storage locations. <b>Document the snow disposal area(s) and salt/sand management measures and storage locations in the SWPPP.</b></p>	54	Reduce the amount of stored salt exposed through proper management.	County Highway	
<p>49 Road sweeping is part of the O&amp;M Plan for MS4-owned infrastructure. A mechanical broom sweeper is used for areas involved in public road projects so that the roads are clean before and after construction. Additional cleaning of roads and parking lots is also conducted as-needed with available resources and staff. These maintenance activities, schedules, disposal methods, and inspection procedures for the BMP are described in the SOP. <b>Maintain the SOP that describes the schedules, responsible entities, tracking, and disposal. Track estimates of lane miles swept.</b></p>	55	Reduce the amount of pollutants discharged to stormwater infrastructure by sweeping streets and parking lots. Develop and maintain SOP.	County Highway responsible for BMP and reporting to MS4 Coordinator	
<p>50 Establish procedures to ensure contractors or third-party entities hired by the MS4 to perform maintenance or other operational activities associated with the stormwater system are required to comply with stormwater good housekeeping practices and facility-specific stormwater management policies and procedures. <b>Maintain training records from contractors.</b></p>	56	Train contractors on MS4 stormwater management policies and procedures.	MS4 Coordinator	
<p>51 As new flood control projects are being planned, designed and constructed, each co-permittee will continue to identify how water quality considerations can be incorporated into the designs. There are no known existing flood control structures, but if any are identified, they will be evaluated for potential modification to improve water quality. <b>List new flood control projects and document that they were evaluated for stormwater quality and quantity.</b></p>	57	Document that all new County-controlled flood management projects are evaluated for water quality impacts. Add review of flood control projects for water quality to the construction standards.	MS4 Coordinator County Highway	

Best Management Practice (BMP) Description <small>*(unless specified otherwise, BMPs are to be implemented annually)</small>	SWQMP Page	Measurable Goal	Responsible Entities MCPWQ/ Co-Permittees/ Other	2023
<b>Municipal Operations Pollution Prevention and Good Housekeeping (continued)</b>				
52 Implement an annual training program for employees directly involved in implementing good housekeeping for MS4 facilities and/or infrastructure. Relate training and topics to an employee's job responsibilities and review spill prevention and response, site-specific stormwater issues, and the SWPPP.  All municipal operations BMPs will be addressed annually at training sessions. Training may take the form of safety meetings, online training, webcasts, webinars, articles, checklists, presentations, workshops, conferences, and on the job training. <b>Completed training to be documented through attendance sheets, online training confirmation, completed quizzes, completed work orders, etc. Documentation must include employee name, position, date, description of the training.</b>	58	Increase employee awareness of stormwater issues by providing annual training.	MS4 Coordinator	

**APPENDIX D**

Annual Report



# 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
<input type="checkbox"/> 1st Permit Term	<b>Permit Year <u>2018</u></b>
<input checked="" type="checkbox"/> Second and subsequent five (5) Year Permit Terms	<input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input 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

<b>1. Permit Number:</b> INR 0 4 0 097	<b>Type of MS4:</b> <input type="checkbox"/> City <input type="checkbox"/> Town <input checked="" type="checkbox"/> County <input type="checkbox"/> Non-traditional
<b>2. MS4 Entity:</b> Bartholomew County MS4 <i>(Name of permit holder)</i>	
<b>3. MS4 Operator:</b> Carl Lienhoop	
<b>4. Mailing Address:</b> Government Office Building 440 Third Street Columbus, IN ZIP: 47201 County: Bartholomew	
<b>5. Email Address:</b> tjeffries@bartholomew.in.gov	

## PART B: GENERAL INFORMATION – MS4 COORDINATOR

<b>6. MS4 Coordinator (please print):</b> Heather Shireman	
<b>7. Person's Title:</b> MS4 Coordinator, SWCD Coordinator	
<b>8. Mailing Address:</b> Bartholomew County SWCD 785 S Marr Rd Columbus, IN ZIP: 47201	
<b>9. Telephone Number:</b> 812-378-1280 x3	
<b>10. E-mail Address:</b> heather.shireman@in.nacdnet.net	

## PART C: GENERAL INFORMATION – REPORT PREPARER

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

**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.  
N/A
- 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")  
No changes have been made to the boundaries. Please see attached map (Appendix A).
- c) Identify follow-up or additional water quality characterizations completed during the reporting period if applicable.  
None
- d) Provide updated receiving water information completed during the reporting period if applicable.  
None
- e) Identify funding sources (utility fees, grants, enforcement fines etc) utilized for MS4 program implementation during this reporting period.  
Funding is provided by the Bartholomew Co. Commissioners and the Bartholomew Co. SWCD
- f) Provide a list of new active industrial sites identified during this reporting period.  
None
- g) Provide a list of facilities owned and operated by the MS4 that require Rule 6 (industrial storm water) permits.  
None
- h) Provide a summary of complaints received and follow-up investigation results related to storm water quality issues during this reporting period.  
We had one major complaint over a farmer doing some excavating. It was brought to the Commissioners' attention, and they worked to resolve it.
- i) Other:  
N/A

**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.  
Please See Part E: Attachment 17A
- b) Describe implementation problems encountered and changes made due to ineffectiveness or infeasibility during this reporting period.  
Due to COVID, programming was very limited in 2020. However, the SWCD was able to move forward with developing a CISMA for invasive species by using Zoom meetings. With schools closed in 2020, the SWMD alone missed out on 36 programs alone.
- c) Describe program BMPs that went beyond those identified in the SWQMP.  
Our county's education was our top strength, even with 2020 setbacks. We were still able to utilize social media networks, webpages, and zoom meetings for education.
- d) Identify storm water BMPs installed or initiated for this MCM during this reporting period.  
No new BMP's were added.
- e) Describe program implementation partnerships and explain successes and barriers during this reporting period.  
The partnerships with the SWCD, SWMD, Purdue Extension of Bartholomew County, and the City of Columbus (mainly the Parks Department) helped our success with the educational portion of our MCMs. Again, with COVID most meetings were held through Zoom when needed.
- f) Other:  
N/A

**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 Part F: Attachment 18A (Same as 17 A) All of these BMPs in this MCM are also in MCM 1.
- b) Describe implementation problems encountered and changes made due to ineffectiveness or infeasibility during this reporting period.  
We started to really focus on on public participation in 2019, however, 2020 was a big setback in this regard. However, with the CISMA/Invasives initiative, we are starting to accumulate more volunteers once again.
- c) Describe program BMPs that went beyond those identified in the SWQMP.  
Education online and zoom meetings kept participation and involvement up and running.
- d) Identify storm water BMPs installed or initiated for this MCM during this reporting period.  
No new BMPs were installed or initiated.
- e) Describe program implementation partnerships and explain successes and barriers during this reporting period.  
The partenerships with the SWCD, SWMD, Purdue Extension of Bartholomew County, and the City of Columbus (mainly the Parks Department) helped our success with the educational portion of our MCMs. Again, with COVID most meetings were held through Zoom when needed.
- f) Other:  
None

**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 Part G: Attachment 19A
- b) Describe implementation problems or challenges encountered, particularly as it relates to mapping and screening of outfalls during this reporting period.  
2019 was our first year of screening the outfalls. It was difficult to learn their locations the first year.
- c) Identify changes made to the IDDE Plan during this reporting period if applicable.  
None
- d) Identify updates or revisions to IDDE ordinance or other regulatory mechanism made during this reporting period.  
None
- 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 mapping is up to date. It is kept current on Bartholomew County GIS.
- f) Other:  
None.



**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 Part H: Attachment 20A
- b) Describe program implementation partnerships and explain successes and barriers during this reporting period.  
In 2019, we developed a partnership with Wessler Engineering to do all of our Rule 5 and Rule 13 reviews. This has been a great success compared to what we have.
- 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.  
In 2019, Wessler did 3 plan reviews and 0 inspections. IN 2020, they did 7 plan reviews, 24 inspections and covered 6 projects.
- d) Identify the number and types of training opportunities that were provided to contractors, developers, and builders during this permit period.  
No formal training opportunities were provided, however Wessler explains the process in detail during plan reviews.
- 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.  
We use Wessler Engineering, so their engineers maintain all of the qualifications for this.
- f) Identify updates or revisions to the storm water construction ordinance or other regulatory mechanism made during this reporting period.  
This ordinance was updated in 2019 and was passed in September 2020.
- g) Other:  
None.

**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 Part I: Attachment 21 A
- b) Describe implementation problems encountered and changes due to ineffectiveness or infeasibility during this reporting period.  
Our person we had doing inspections before was not doing his job. So we switched to Wessler Engineering to rectify the situation.
- c) Describe program implementation partnerships and explain successes and barriers.  
In 2019, we developed a partnership with Wessler Engineering to do all of our inspections. This has been a great partnership to have.
- 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.  
Wessler maintains the qualifications of their employees.
- e) Identify updates or revisions to the post-construction storm water ordinance or other regulatory mechanism made during this reporting period.  
None
- f) Other:  
None.

**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 Part J: Attachment 22A
- 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.  
More attention needs to be given to training and inspection of facilities.
- c) Identify storm water BMPs installed or initiated at MS4 owned and operated facilities.  
The county highway is building a new facility.
- d) Identify and describe appropriate storm water training provided to MS4 employees. Employees are required to have a minimum training once per year.  
In 2020, the SWCD hired a contracted worker who will complete trainings from 2021 on.
- e) Other:  
None.

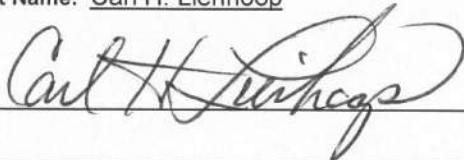
**PART K: CERTIFICATION AND SIGNATURE**

**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: Carl H. Lienhoop

Signature: \_\_\_\_\_



3-29-21  
(mm/dd/yyyy)



# Bartholomew County Annual Report Attachments

## **Part E: Attachment 17 A**

## **Part F: Attachment 18 A**

Just as in the last few reporting periods, public education BMP's have been this permit's top strength. We continue to partner with the City of Columbus, Bartholomew County SWCD, Purdue Extension of Bartholomew County, and the Bartholomew County SWMD to better educate the public about stormwater BMPs.

(BC: Bartholomew County, SWCD: Soil and Water Conservation District; SWMD: Solid Waste Management District)

The following numbers correlate to the Bartholomew County MS4's BMP numbers:

1. **Annual Training-** The MS4 put together educational binders in 2019. The main one was distributed to the Commissioners to look over. In 2020, the county buildings shut down, which made it hard to pass out the binders and do training. Zoom and Google Meet will be utilized in future situations.
2. **Stormwater Education and Outreach Articles-** This was implemented throughout the permit term. In 2019 and 2020 many articles were submitted through the SWMD to the Republic Newspaper. The whole team listed above helped to promote each other's events through social media and newsletters. Purdue University Extension of Bartholomew County has also done many programs, such as the Pesticide Sweep (2019 only, 2020 was cancelled). They have done Master Gardener's classes, pond workshops, and classes on soil health and pollinators. The Health Department continues to have many pamphlets available at their office about groundwater protection, water conservation, septic system information, household hazardous waste, recycling, etc. Over 200 stormwater materials were distributed during the 4-H fair in 2019. Our fair was cancelled in 2020 so we lost out on opportunities there. In 2019, all the partners presented at Ag Days which reaches over 800+ students about various topics on conservation, agriculture, and food science. The SWCD also reaches out to Girl Scout groups and completed an activity on stormwater. The SWMD did programs for 2,597 students and 787 adults through classroom programs, presentations, etc. In 2020, The SWMD alone cancelled 36 programs due to COVID.

The Conservation Corridor is the Bartholomew SWCD's project at the Fairgrounds that mimic's the Pathway to Water Quality at the State Fairground. It educates the public on BMPs for Stormwater, pollinator habitats, NRCS programs, etc. Educational signage was added in 2019.

3. **Rain Barrel Initiative-** Rain Barrels have continued to be promoted throughout the county. The SWCD continues a rain barrel cost share program to residents of Bartholomew County. Approximately 40 barrels were sold in 2019 and 2020.
4. **Social Media Sites-** The MS4's Facebook has stayed online. The BCSWCD's and BCSWMD's Facebook pages have been kept up to date with current events and educational materials relating to stormwater education. The SWCD's website has a section with stormwater educational materials. Also, the BCSWMD's website has been kept current. A lot of information can also be found on Purdue Extension's website, i.e. information about Pesticide Sweeps, etc.
5. **Stormwater Web Page-** The Bartholomew County website has a Bartholomew County MS4 page that we have updated with the new documents, such as the new Part C and the updated maps. It also has a Public Service Announcement video titled "Blue is the New Green" from the Muncie Sanitary District. The SWCD also has a section of their website dedicated to stormwater resources.
6. **Pet Waste Education-** The SWCD maintains a pet waste station at the Bartholomew County Fairgrounds as a part of their educational display ("Conservation Corridor"). Pet Waste Signs have been up at County Parks since 2014.
7. **Community Projects-** The SWMD sponsors the Adopt a County Road project and has at least 15 groups that clean up the county roads throughout the year. We have also been educating the public through our "Conservation Corridor" at the fairgrounds. Signs were installed at the Corridor with educational information about bioswales. We also had a volunteer install a pollinator habitat that has received national attention. In



# Bartholomew County Annual Report Attachments

2020, one of our main volunteer groups, Cummins, completely shut down so we lost a lot of volunteers. Also, with the liability concerns in 2020, we weren't able to engage in volunteer opportunities.

8. **Distribution of Stormwater Awareness Brochure-** Brochures are distributed at the Fair, the Earth Day event at SWMD, the SWCD's Tree Giveaway, etc. 2020-none were distributed, however, information was given out occasionally online through social media sites.
9. **Restaurant Education-** The City of Columbus made an educational brochure specifically for restaurants about stormwater safety and education. This continues to be distributed with all restaurant permits/licenses. In 2020, the licenses were sent out before the brochures were made. We are working to rectify that that doesn't happen again.
10. **Public Input-** There is a question form on the Bartholomew County MS4's Website, and public comments are welcome at all Commissioner Meetings.
11. **Promote Volunteer Opportunities-** Volunteer opportunities are promoted through the SWMD website, in Cummins Newsletters, Senior Project Fairs at the local high schools, Adopt-A-County Road Program, and through signups for volunteers at all special events. There is also a column in The Republic for special events and volunteer opportunities. In 2020, as was previously stated, the liability with COVID, did not allow us to promote any volunteer opportunities.
13. **Review Illicit Discharge Ordinance-** This ordinance was reviewed in 2019 and 2020. It is available online at the BC MS4 website.
15. **Utilize Complaint Tracking Mechanism-** All complaints are received through the SWCD. If they are reported elsewhere, the report is to come straight to the SWCD. New forms were developed in 2014 for complaint tracking. The hotline number is available online, and one can report a complaint using the online form, also. Only one major complaint was received in 2020.
16. **Host and Promote Recycling and Collection of Hazardous Waste Events-** The SWMD has monthly newspaper articles in the local newspaper. The SWMD does Tox-A-Way Wednesday flyers, promotes it on Facebook, and on their website. They also do large Tox-A-Way days that are promoted through flyers, Facebook, the local newspaper, their website, and radio ads. Brochures about these events are given out at all events and are available at the SWMD office. Recycling education is presented at Earth Day Events, Ag Days, Outdoor Days, and the Bartholomew County Fair Booth.
20. **Inspection and Enforcement of Construction Projects-** The SWCD was able to get away from our previous reviewer, Jim Francisco, and we contracted with Wessler Engineering to do all of our reviews and inspections.
23. **Litter Pickup-** The County removes roadside litter throughout the county. The SWMD receives trash pickup from the county residents at their landfill and recycling center. All Recycling totals, totals for tox-a-way days, and adopt-a-road cleanup numbers are kept at the SWMD and have been given to the MS4 on a yearly basis. The County Highway also keeps track of the tonnage of trash picked up on the side of the road, monthly. The mowers in the county kept track of dumping sites and helped pick up trash in 2020.



# Bartholomew County Annual Report Attachments

## **Part G: Attachment 19 A**

The following numbers correlate to the Bartholomew County MS4's BMP numbers. The other BMPs for this ordinance were previously listed in parts E & F. (BMPs: 1-9, 11, 13, 15, 16)

12. **Update Storm Sewer System Map-** The MS4 map is kept up to date on the County's GIS site.
  
14. **Develop Illicit Discharge Detection & Elimination Policies, Procedures, and Documentation Tools-** These procedures were developed at the end of 2014 and are included in the new Part C. This has remained up to date. No changes have been made.
  
17. **Perform Dry Weather Screening-** This was completed in 2019, however it was not in 2020 due to weather and timing of COVID restrictions. However, this will be completed again in 2021. The SWCD has hired a contractor who will complete this early 2021.



# Bartholomew County Annual Report Attachments

## *Part H: Attachment 20 A*

The following numbers correlate to the Bartholomew County MS4's BMP numbers. The other BMPs for this ordinance were previously listed in parts E, F, or G. (BMPs: 1, 15, 16, 20)

18. **Review and Enforce the County's Erosion Control Ordinance that Meet the Rule 5 Requirements-**  
The ordinance was revised in 2018 and 2019 and was passed in 2020.
  
19. **Review Construction Plans-** All construction plans are reviewed by Wessler Engineering. An application process was added to keep track of plans. Wessler takes care of all plans that come into the office.



# Bartholomew County Annual Report Attachments

## *Part I: Attachment 21 A*

The following numbers correlate to the Bartholomew County MS4's BMP numbers. The other BMPs for this ordinance were previously listed in parts E, F, G, & H. (BMP: 15)

21. **Continue to Implement a Post-Construction Ordinance**-The County does not have a Specific Post-Construction Ordinance. However, post-construction checks are completed with every plan submitted by Wessler Engineering.



# Bartholomew County Annual Report Attachments

## **Part J: Attachment 22 A**

The following numbers correlate to the Bartholomew County MS4's BMP numbers. The other BMPs for this ordinance were previously listed in parts E, F, G, H and/or I. (BMP: 1, 2, 6, 7, 9, 11-17, & 23)

22. **Inspect/Clean Ditches, Culverts, and Pipes**-The County Highway does this daily. When debris has settled in any ditch, culvert, or pipe, they clean them out right away.
24. **Road Deicing Materials Application and Storage**- The application and amount of road deicing materials (sand, salt, and beet juice) is tracked through the County Highway. Most materials are located within berms, special tanks, and under roof. The county highway now has a salt/sand storage building.
25. **Vehicle Washing**- The County Highway washes its vehicles at the County Garage in a designated wash bay with floor drains that are plumbed to the sanitary sewer. The SWMD does all of their washing at the City Garage. The Parks Department takes all of their equipment and vehicles to a local carwash.
26. **Documentation of Maintenance Activities**- This is done by the County Highway and includes cleaning of the County bridges once per year, roadside shoulder stabilization after new pavement, roadside ditch stabilization when a blockage is reported, and planning and proper care of roadside vegetation (right of ways are mowed at a minimum of once per year). These documents are turned into the MS4 and presented at Commissioner meetings.
27. **Proper Disposal of Waste Removed from MS4 Conveyances and Operational Areas**- This is again the County Highway's responsibility. The trash is taken to the landfill for disposal, tires are stored at the garage until they get enough for a full recycle-truck load, and silts from ditching are returned to the adjacent field or to another area where the farmer/landowner prefers.



Appendix A

