

DRAFT
2022 Annual Report
MS4 Program
Bartholomew County, Indiana

Prepared for:

Bartholomew County
440 Third Street
Columbus, IN 47201

By:



More than a Project™

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February 2023



Rule 13 - MS4 ANNUAL REPORT

State Form 51278 (R6 / 7-12)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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

For questions regarding this form, contact:

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

Telephone: (317) 234-1601 or

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

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

Five Year Permit Term	Reporting Year
<input type="checkbox"/> 1st Permit Term	Permit Year <u>2022</u>
<input checked="" type="checkbox"/> Second and subsequent five (5) Year Permit Terms	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
	MS4s in their first permit term must submit reports annually. MS4s that are in subsequent permit terms must submit in years 2 and 4 of the permit term.

PART A: GENERAL INFORMATION – MS4 OPERATOR

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

PART B: GENERAL INFORMATION – MS4 COORDINATOR

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

PART C: GENERAL INFORMATION – REPORT PREPARER

11. Name:	Nancy Cho (Provide this information if someone other than MS4 Operator or Coordinator completed this report.)
12. Affiliation with the MS4:	Environmental Consultant
13. Mailing Address:	Wessler Engineering 1130 AAA Way Carmel, IN ZIP: 46032
14. Telephone Number:	317-788-4551 Extension:
15. E-mail Address:	NancyC@wesslerengineering.com

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

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

- a) If this is a co-permit, list all permittees and operators responsible for permit implementation for each entity.
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 County Commissioners and the Bartholomew County 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.
A call regarding saw cutting runoff was received and referred to the drainage board and INDOT.
A call regarding debris entering a roadway was referred to IDEM for possible Rule 6 coverage for the facility.
- 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.
Bartholomew County has revised its Stormwater Quality Management Plan (SWQMP) for this Minimum Control Measure (MCM) to include all the requirements of the new Municipal Storm Sewer System General Permit (MS4GP).
A pollution prevention pamphlet was developed for area restaurants and 350 were distributed in 2022.
Educational information is posted on the County and Soil and Water Conservation District (SWCD) websites.
The Solid Waste Management District (SWMD) conducted 18 in classroom programs, reaching 427 students.
The SWMD conducted 13 landfill tours, reaching 213 students.
The SWMD gave 8 community presentations.
- b) Describe implementation problems encountered and changes made due to ineffectiveness or infeasibility during this reporting period.
The SWMD had to eliminate their Educator position as a result of a funding shortage.
- c) Describe program BMPs that went beyond those identified in the SWQMP.
N/A
- d) Identify storm water BMPs installed or initiated for this MCM during this reporting period.
No new Best Management Practices (BMPs) 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) assisted with the public education and outreach MCM.
- 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.
Bartholomew County has revised its SWQMP for this MCM to include all the requirements of the new MS4GP.
The SWCD sold 16 rainbarrels via its cost-share program.
The SWMD led 7 Adopt a Road groups, which collected 1,000 pounds of trash.
10 Weed Wrangle events to remove invasive species were conducted. This included 186 volunteers.
203 trees were planted through the Bicentennial Tree Project.
The Arbor Day Tree Give-away gave away 1,200 trees.
The SWCD partnered with the Sierra Club for a native plant sale.
Farm Bureau Ag Days reached over 500 kids and included a section on water education.
The SWCD led a field day with college students on water quality, post construction BMPs, and low impact development.
- b) Describe implementation problems encountered and changes made due to ineffectiveness or infeasibility during this reporting period.
The SWMD had to eliminate their Educator position as a result of a funding shortage.
- c) Describe program BMPs that went beyond those identified in the SWQMP.
N/A
- d) Identify storm water BMPs installed or initiated for this MCM during this reporting period.
N/A
- 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) assisted with the public participation and involvement MCM.
- f) Other:
N/A

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.).
Bartholomew County has revised its SWQMP for this MCM to include all the requirements of the new MS4GP.
The SWCD continued to encourage stormwater complaint reporting and received and resolved two stormwater-related complaints.
The SWMD maintained efforts to prevent wastes from entering the storm system and receiving waters. 78,095.30 tons of trash was received at the landfill. 5.97 tons of Household Hazardous Waste was collected and properly disposed of. 3,268 tons of recyclables (including cardboard, newspaper, office paper, magazines, books, glass, plastics, aluminum, steel, and scrap metal) were collected and recycled through the SWMD's Single Stream Recycling Program. 38 tons of electronics were recycled through the Electronics Program. 158 tons of Public Reuse items were collected and distributed for reuse at the landfill. 19 tons of tires were collected and recycled. 27,201 tons of yard waste was collected and reused as mulch or compost.
- b) Describe implementation problems or challenges encountered, particularly as it relates to mapping and screening of outfalls during this reporting period.
N/A
- c) Identify changes made to the IDDE Plan during this reporting period if applicable.
Bartholomew County has revised its SWQMP for this MCM to include all the requirements of the new MS4GP
- d) Identify updates or revisions to IDDE ordinance or other regulatory mechanism made during this reporting period.
The ordinance was last updated in 2020. Bartholomew County plans on adopting an updated ordinance and including requirements from the MS4GP by July 2024.
- 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.
In 2019, all seven known outfalls were inspected during dry weather for flow, odor, foam, oil sheen, color, turbidity, floatables, deposits/stains, vegetation, outfall condition, and other observations. No stormwater quality problems were identified.
Bartholomew County has developed an Outfall Screening Standard Operating Procedure (SOP) to implement during the new permit term. The SOP will be implemented starting in 2023 so that all outfalls are screened and outfall information is updated in GIS in by the end of the permit term.
- f) Other:
N/A

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.
Bartholomew County has revised its SWQMP for this MCM to include all the requirements of the new MS4GP
Wessler Engineering completes plan review and inspections for construction site Stormwater Pollution Prevention Plans (SWPPPs) on behalf of the County.
- b) Describe program implementation partnerships and explain successes and barriers during this reporting period.
N/A
- 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.
Five construction sites were permitted in 2022 and no enforcement actions were necessary. Wessler Engineering is conducting plan review and construction site inspections on behalf of Bartholomew County. Site inspections are conducted at project initiation, regularly during construction, and at project close out. Thirteen inspections were conducted in 2022.
- d) Identify the number and types of training opportunities that were provided to contractors, developers, and builders during this permit period.
Educational information for contractors and developers is maintained on the SWCD and County websites. A construction site brochure is available. Educational information is distributed to contractors on site and via email.
- 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.
Wessler Engineering reviews plans and performs site inspection for development sites.
Wessler staff are appropriately trained and maintain Certified Professional in Sediment and Erosion Control (CPESC) certifications and/or Professional Engineer (PE) licenses.
The MS4 Coordinator and staff attended Stormwater Planning Meetings with Wessler Engineering on 6-14-2022 and 7-11-2022 to review requirements of the MS4GP.
The MS4 Coordinator and SWCD Watershed Coordinator attended the MS4 Annual Meeting and received 5 hours of stormwater education.
Bartholomew County has developed a training checklist of applicable educational videos and a training matrix so that all applicable employees receive stormwater training related to their job responsibilities.
- f) Identify updates or revisions to the storm water construction ordinance or other regulatory mechanism made during this reporting period.
The ordinance was last updated in 2020. Bartholomew County plans on adopting an updated ordinance and including requirements from the MS4GP by July 2024.
- g) Other:
N/A

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.
Bartholomew County has revised its SWQMP for this MCM to include all the requirements of the new MS4GP.
The following post-construction BMP were reviewed by the MS4 and installed by private entities in 2022:
Drug Plastic Closures - Underground detention
Jonesville Dollar General - Vegetated swale and detention basins
Tsune - Vegetated swales, Flexstorm inlet filters, and dry wells
- b) Describe implementation problems encountered and changes due to ineffectiveness or infeasibility during this reporting period.
N/A
- c) Describe program implementation partnerships and explain successes and barriers.
N/A
- 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 Engineering reviews post construction elements of plans for applicable development sites.
Wessler staff are appropriately trained and maintain Certified Professional in Sediment and Erosion Control (CPESC) certifications and/or Professional Engineer (PE) licenses.
The MS4 Coordinator and staff attended Stormwater Planning Meetings with Wessler Engineering on 6-14-2022 and 7-11-2022 to review requirements of the MS4GP.
The MS4 Coordinator and SWCD Watershed Coordinator attended the MS4 Annual Meeting and received 5 hours of stormwater education.
Bartholomew County has developed a training checklist of applicable educational videos and a training matrix so that all applicable employees receive stormwater training related to their job responsibilities.
- e) Identify updates or revisions to the post-construction storm water ordinance or other regulatory mechanism made during this reporting period.
The ordinance was last updated in 2020. Bartholomew County plans on adopting an updated ordinance and including requirements from the MS4GP by July 2024.
- f) Other:
N/A

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.

Bartholomew County has revised its SWQMP for this MCM to include all the requirements of the new MS4GP.

The County maintains SWPPPs for the old County Garage, County Park Board, and Recycling Center. A SWPPP for the new County Garage is being developed.

The County has developed SOPs for municipal operations and good housekeeping.

County Highway conducted litter pickup throughout the County.

The SWMD maintained efforts to prevent wastes from entering the storm system and receiving waters, including trash drop off, household hazardous waste collection, single stream recycling drop off, electronics recycling, public reuse, tire recycling, and yard waste reuse opportunities for the public.

County Highway completes inspection and cleaning of stormwater infrastructure. This included ditching along 450 North, 650 East, 650 South, 100 West, Bonnell, Deaver, 300 West, 500 North, 580 West, 930 South, 500 West, Bellsville Road, 900 North, 400 West, Carlos Folger Roads, 300 South, 550 South, Pine Street, Country Club, Raintree Dr. S, 525 West, 750 South, 1200 East, 750 South, 600 East, 450 West, 500 South, 300 East, 100 East, 300 North, 250 North, 1200 East, 1150 East, Baker Hollow, 300 West, 450 South, 450 North, 250 South, Georgetown Roads, 650 West, 525 West, 650 South, 525 South, Sprague, Moore's Vineyard, 450 South, 400 West, Sawmill Roads, 50 North, 580 West, 930 South, 400 West, 950 South, 1000 South, 675 West, Seymour, 930 South, 450 West, 850 South, 700 South, 500 West, 725 West, 750 West, 750 South, Spray Roads, 300 South, 375 West, Becksgrove, and Mt. Healthy Roads. This also included stone placement along 700 East, 700 North, 350 East, 400 South (2 days), Marr, 100 North, 1150 East (2 days), 640 North, 735 North, Wolfcreek, 650 South, Base, 300 South, 1140 East, 50 North, 1050 East (2 days), 50 North, 1000 East (2 days), 800 North (3 days), 600 South, Stafford (2 days), and Legal Tender Roads.

Three road signs were installed to educate the public on the locations of the Lake Monroe Drainage Basin as part of a 319 Grant.

Road deicing materials are stored at the old County Highway Garage. Road salt is stored in covered storage building. 2,928.96 tons of salt were purchased in 2022 and 2,553 tons were used. Salt brine was also used and was sprayed on 14 days in 2022.

- 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.

N/A

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

All vehicle washing is now conducted at the County Garage Wash Bay. The facility has an oil/water separator and all wash water is directed to the sanitary sewer.

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

The MS4 Coordinator, County Surveyor, and Surveyor's Office staff attended a Stormwater Planning Meeting with Wessler Engineering on 1-12-2023 to review MS4GP requirements and update the Construction Site and Post Construction Site Stormwater Control Ordinance.

The MS4 Coordinator and staff attended Stormwater Planning Meetings with Wessler Engineering on 6-14-2022 and 7-11-2022 to review requirements of the MS4GP.

The MS4 Coordinator and SWCD Watershed Coordinator attended the MS4 Annual Meeting and received 5 hours of stormwater education.

Bartholomew County has developed a training checklist of applicable educational videos and a training matrix so that all applicable employees receive stormwater training related to their job responsibilities.

- e) Other:

N/A

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: Tony London

Signature: _____



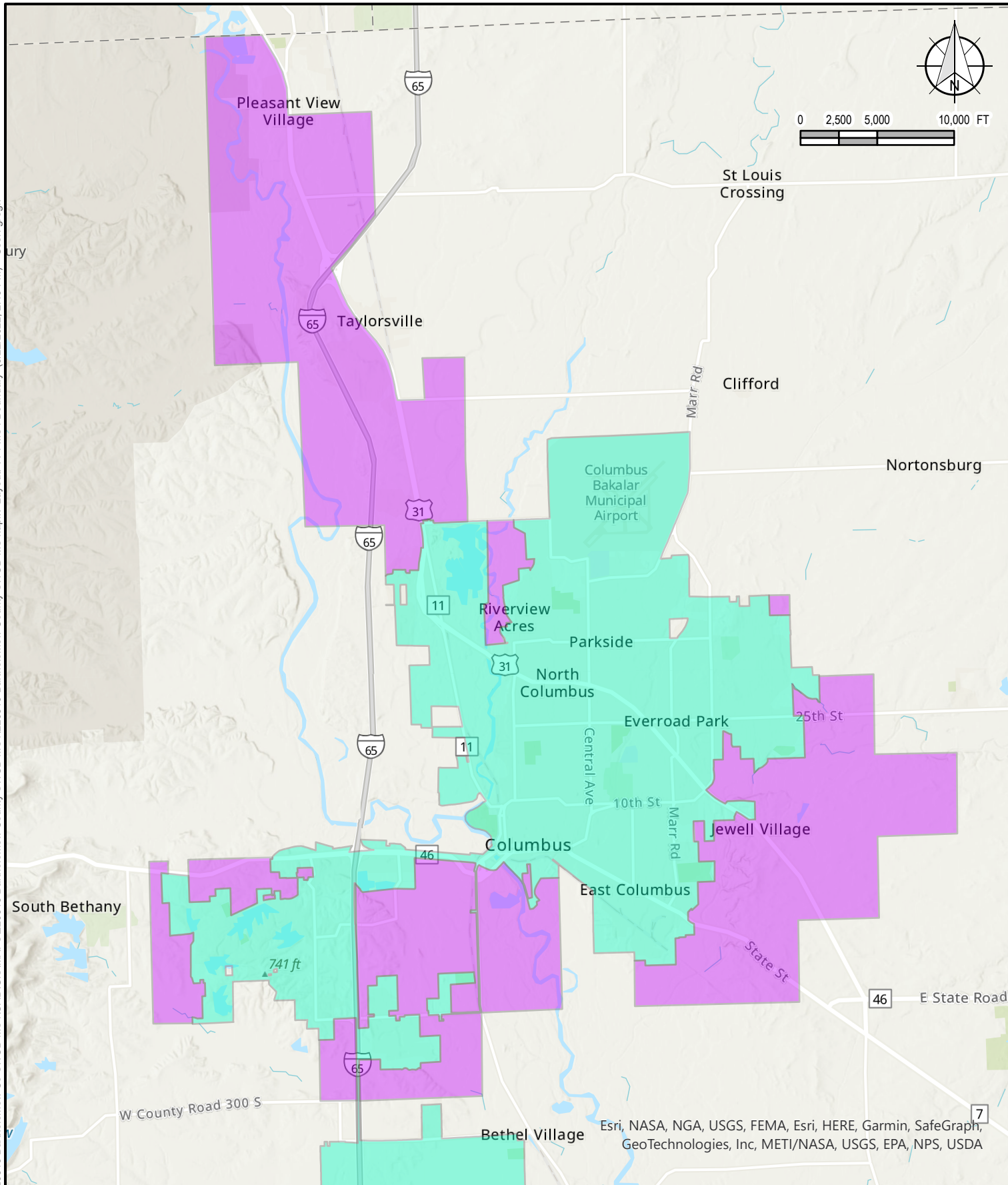
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(mm/dd/yyyy)

BARTHOLOMEW COUNTY – MS4 PROGRAM

ATTACHMENT 1

Current MS4 Boundary 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: 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