



**Municipal Separate Storm Sewer System
General Permit (MS4GP)
Annual Report**

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

For questions regarding this form, contact:

IDEM Office of Water Quality Stormwater Program
100 North Senate Avenue
Indianapolis, IN 46204-2251
Telephone: (317) 234-1601 or
(800) 451-6027
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 a violation of permit coverage.
 - Please type or print in ink.
 - Please answer all questions thoroughly and return the form in accordance with the MS4GP or as directed by IDEM.
 - Return this form and any required attachments to the IDEM Stormwater Program, MS4 Program at the address listed in the box on the upper-right.

Reporting Year
Permit Year: <input type="checkbox"/> (1) <input checked="" type="checkbox"/> (2) <input type="checkbox"/> (3) <input type="checkbox"/> (4) <input type="checkbox"/> (5)

SECTION 1: GENERAL PERMITTEE INFORMATION

(1) MS4 Entity: **Monroe County**

(2) Primary County: **Monroe**

(3) MS4 Permit Number: **INR040089**

(4) Type of MS4: City
 Town
 County
 Non-traditional:

(5) MS4 Operator (Individual): **Julie Thomas**

- Title: **President of the Monroe County Board of Commissioners**
- Telephone Number: **812-349-2553**
- Email Address; **jthomas@co.monroe.in.us**
- Mailing Address:
100 W Kirkwood Avenue, Room 323
 City: **Bloomington** State: **IN** Zip Code: **47404**
- Physical Address (if different from mailing address):

 City: State: **IN** Zip Code:

(6) MS4 Coordinator (Individual): **Kelsey Thetonia**

- Title: **MS4 Coordinator**
- Telephone Number: **812-349-2499** Cell Phone: **812-272-9217**
- Email Address; **kthetonia@co.monroe.in.us**
- Mailing Address:
501 N Morton Street, Suite 216
 City: **Bloomington** State: **IN** Zip Code: **47404**
- Physical Address (if different from mailing address):

 City: State: **IN** Zip Code:

(7) Application Preparer (if different from above):

- Title: **Adam Rickert, MS4 Assistant** Name of Company (if applicable):
- Telephone Number: **812-349-2960** Cell Phone: **812-272-7289**
- Email Address; **arickert@co.monroe.in.us**
- Mailing Address:
501 N Morton Street, Suite 216
 City: **Bloomington** State: **IN** Zip Code: **47404**
- Physical Address (if different from mailing address):

 City: State: Zip Code:

SECTION 2: PUBLIC EDUCATION, OUTREACH AND PUBLIC PARTICIPATION – MINIMUM CONTROL MEASURES 1 AND 2

- (1) Status of measurable goals, program requirements, compliance schedules, and timetables for this MCM. 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)(1)]:
- (a) On Target: Yes No
- (b) If No, provide an explanation in Section 7.
- (2) List of 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)(2)]:
- (a) Total number of public participation and outreach events: 9
- (b) Identify the targeted audience/constituents for this reporting period: Per our MCM1 and 2 Plan, three (3) targeted constituent groups are comprised of residential occupants of all ages residing within single family housing; commercial/industrial facility operators/owners; and construction contractors, engineers, and surveyors working on construction sites.
- (c) Briefly describe changes or effects observed due to the outreach event(s): Our Clear Creek stream clean-up event on 4/29/2023 facilitated teamwork and cooperation within the residential community adjacent to Clear Creek and staff of the Stormwater Program. Larger events such as Bugfest, Children's Festival at Peden Farm and STEAM open house introduced stormwater and water quality concepts to largely preschool through high school aged students (and their parents). The Master Gardener Fair and Master Naturalist Course provided a forum for adults already well-versed in stormwater and environmental concepts to share their knowledge with others. The Monroe County Fair is used as an opportunity to introduce children and adults to stormwater concepts and to promote Stormwater Program services to attendees that may otherwise be unaware.
- (d) Delivery Method: 1 webinar, 1 classroom presentation, 1 stream clean up, 6 tabling events
- (e) The MS4 must maintain a list of the public participation/outreach event, including a short description of the activity, number of attendees, and if the goals and objectives were met.
- Do not submit this information. Upon review of the annual report IDEM may request the information or evaluate the information as part of an audit of the MS4 Program.*
- (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)(3)]:
- (a) Number of training events:
- Construction only: No construction (only) opportunities were provided in 2023.
 - Post-construction only: No post construction opportunities (only) were offered in 2023.
 - Both Construction and Post-construction: Contractors Workshop on 11/15/2023 included both construction and post construction requirements and considerations.
- (b) The event or events were conducted with another MS4(s): Yes No
- If Yes, list the MS4(s): City of Bloomington
- (4) Document that presentations (or reports provided) were made to local officials [4.3 (h)(4)]:
- (a) Yes No
- (b) Number of presentations: 6 Date or Dates: 1/11/2023, 4/12/2023, 6/14/2023, 7/19/2023, 9/13/2023, 12/13/2023
- (5) Provide a list of public education materials used during the reporting period [4.3 (h)(6)]:
- (a) Number of new materials developed: 3
- (b) The MS4 must maintain a list of public educational materials.
- (c) If the materials are maintained on a webpage – please provide the link:
https://www.co.monroe.in.us/egov/apps/document/center.egov?eGov_searchTopic=51
- Do not submit the list of materials at this time. Upon review of the annual report IDEM may request the information or evaluate the information as part of an audit of the MS4 Program.*

SECTION 3: ILLICIT DISCHARGE DETECTION AND ELIMINATION - MINIMUM CONTROL MEASURE 3

(1) Status of measurable goals, program requirements, compliance schedules, and timetables for this MCM 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)(1)]:

(a) On Target: Yes No

(b) If No, provide an explanation in Section 7.

(2) A summary of any storm sewer system mapping changes to the outfall and/or conveyance maps [4.4 (k)(3)]:

(a) The map is current: Yes No

(b) The map was last updated on:
February 21, 2024

(3) Number of new outfalls mapped [4.4 (k)(4)]:

2 new MS4 outfalls mapped

(4) Number and location of dry weather outfalls screened for illicit discharges [4.4 (k)(5)]:

(a) Number of dry weather outfalls screened:
9 outfalls were screened during 2023.

(b) The number of dry weather outfalls that need to be screened before the end of the permit cycle:
0 (zero). All previously mapped outfalls were screened during 2022.

(c) The MS4 must maintain information that contains the "location" of the dry weather outfalls screened.

Do not submit this information. Upon review of the annual report IDEM may request the information or evaluate the information as part of an audit of the MS4 Program.

(5) Number and location of illicit discharges detected [4.4 (k)(6)]:

(a) Number detected:
No illicit discharges were detected during screening in 2023.

(b) The MS4 must maintain information that contains the "location" of the illicit discharges.

Do not submit this information. Upon review of the annual report IDEM may request the information or evaluate the information as part of an audit of the MS4 Program.

(6) Number and location of illicit discharges and/or spills reported [4.4 (k)(8)]:

(a) Number reported:
11

(b) The MS4 must maintain information that contains the "location" of the illicit discharges and/or spills reported.

Do not submit this information. Upon review of the annual report IDEM may request the information or evaluate the information as part of an audit of the MS4 Program.

(7) Illicit discharges eliminated for those that were detected and/or reported [4.4 (k)(7) and (9)]:

(a) Number eliminated: **10**

(b) Number that required no corrective action: **1**

(c) Number of enforcement actions taken: **2**

(8) The MS4 has reviewed and assessed the minimum control measure in accordance with MS4GP [4.4 (i)]:

Yes No

(9) The MS4 documents annual training attended by staff specific to their responsibilities in accordance with the MS4GP [4.4 (g)]:

Yes No

(10) The MS4 adopted a revised IDDE ordinance during this reporting year [8.1 (a)(4)]:

Yes No

Last updated on: **February 2012**

SECTION 4: CONSTRUCTION SITE STORMWATER RUN-OFF CONTROL - MINIMUM CONTROL MEASURE 4

- (1) Status of measurable goals, program requirements, compliance schedules, and timetables for this MCM. 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)(1)]:
(a) On Target: Yes No
(b) If No, provide an explanation in Section 7.
- (2) The number of construction projects owned and/or operated by the MS4 entity that were active at the time of submission of this report [4.5 (m)(2)]:
2
- (3) The number of construction sites obtaining a MS4 entity-issued stormwater run-off permit or authorization to discharge during the reporting period [4.5 (m)(3)]:
42
- (4) The number of construction sites inspected during the reporting period [4.5 (m)(4)]: 150
(a) The MS4 has completed the inspections as required by the MS4GP [4.5 (d)(3)]:
• On Target: Yes No
• If No, provide an explanation in Section 7.
- (5) The number and type of enforcement actions taken during the reporting period [4.5 (m)(5)]: 7
(a) Check the Appropriate Type of Action:
 Stop work Orders
 Monetary Penalties
 Other (Describe):
During 2023, 7 enforcement letters with a deadline for compliance were sent related to construction without a grading permit.
- (6) The number of public information requests and/or complaints received [4.5 (m)(6)]:
(a) Public Information Requests (Freedom of Information Request): 2
(b) Complaints Received: 20
- (7) The MS4 has reviewed and assessed the minimum control measure in accordance with MS4GP [4.5 (i)]:
 Yes No
- (8) The MS4 documents annual training attended by staff specific to their responsibilities in accordance with the MS4GP [4.5 (j)]:
 Yes No
- (9) The MS4 maintains an inventory of all construction site projects in accordance with MS4GP [4.5 (l)]:
 Yes No
- (10) The MS4 adopted a revised construction stormwater run-off ordinance or regulatory mechanism during the reporting year [8.1 (a)(4)]:
 Yes No
Last Updated on: 12/3/2010

SECTION 5: POST-CONSTRUCTION STORMWATER RUN-OFF CONTROL - MINIMUM CONTROL MEASURE 5

- (1) Status of measurable goals, program requirements, compliance schedules, and timetables for this MCM. 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)(1)]:
(a) On Target: Yes No
If No, provide an explanation in Section 7.
- (2) The MS4 updated the post-construction ordinance and/or regulatory mechanism during the reporting period [4.6 (j)(2)]:
 Yes No
Last Updated on: 12/3/2010
- (3) The number of sites requiring post-construction control measures during the reporting period [4.6 (j)(3)]:
(a) Number of Sites: 41
- (4) Number, type, and location of structural measures installed during the reporting period [4.6 (j)(4)]:
(a) Number of Measures: 23. Current active permit list has 76 structural measures required to be installed.
(b) The MS4 must maintain information on the "type" and "location" of the measures installed.
Do not submit this information. Upon review of the annual report IDEM may request the information or evaluate the information as part of an audit of the MS4 Program.
- (5) Number, type, and location of structural measures modified to function properly or improve water quality benefits [4.6 (j)(5)]:
(a) Number of Measures Modified: 0
(b) The MS4 must maintain information on the "type" and "location" of the measures modified.
Do not submit this information. Upon review of the annual report IDEM may request the information or evaluate the information as part of an audit of the MS4 Program.
- (6) Number, type, and location of structural measures inspected to ensure each meets design requirements and/or are being maintained [4.6 (j)(6)]:
(a) Number of MS4 Owned/Operated Measures Inspected: 17
On Target (permit requires 100 % inspected by the end of the permit cycle):
 Yes No If No, provide an explanation in Section 7
(b) Number of Privately Owned Measures Inspected: 313
On Target (permit requires 100% or a minimum of 250 inspected by the end of the permit cycle):
 Yes No If No, provide an explanation in Section 7
(c) The MS4 must maintain information on the "type" and "location" of the measures inspected.
Do not submit this information. Upon review of the annual report IDEM may request the information or evaluate the information as part of an audit of the MS4 Program.
- (7) The MS4 has developed and administers an inspection program in accordance with the MS4GP [4.6 (e) and (f)]:
 Yes No
- (8) The MS4 has reviewed and assessed the minimum control measure in accordance with MS4GP [4.6 (h)]:
 Yes No
- (9) The MS4 documents annual training attended by staff specific to their responsibilities in accordance with the MS4GP [4.6 (i)]:
 Yes No

SECTION 6: MUNICIPAL OPERATIONS POLLUTION PREVENTION AND GOOD HOUSEKEEPING - MINIMUM CONTROL MEASURE 6

- (1) Status of measurable goals, program requirements, compliance schedules, and timetables for this MCM. If Objectives are not being met for a specific program element, explain the implementation problems encountered, and changes made to resolve problems identified [4.7 (n)(1)]:
(a) On Target: Yes No
If No, provide an explanation in Section 7.
- (2) Number and location of stormwater outfalls and conveyance systems that have been repaired during the reporting period [4.7 (n)(2)]:
(a) Number of outfalls: 2
(b) Number of conveyance systems: 97
(c) The MS4 must maintain information that contains the "location" of the outfalls and conveyances that have been repaired.
Do not submit this information. Upon review of the annual report IDEM may request the information or evaluate the information as part of an audit of the MS4 Program.
- (3) Estimated amount of material collected from stormwater drainage system cleaning during the reporting period including the disposal methods utilized [4.7 (n)(3)]:
(a) Material Collected (*Volume or Weight*): 23 tons during 2023.
(b) Disposal Method: Dumped at Rogers Group Inc, (certified disposal site) at 509 N Oard Road Bloomington IN 47404.
- (4) Estimated amount of material collected from street sweeping during the reporting period, if applicable, including the disposal methods utilized [4.7 (n)(4)]:
(a) Material Collected (*Volume or Weight*): 802 tons
(b) Disposal Method Utilized: Street sweeping debris is taken to Sycamore Landfill, Terre Haute, IN.
- (5) Number and location of de-icing salt and sand storage areas and methods used to minimize stormwater exposure:
(a) Number of De-icing salt and sand storage areas [4.7 (n)(5)]: 2
(b) The MS4 must maintain information as to the "location" and methods used to minimize stormwater exposure.
Do not submit this information. Upon review of the annual report IDEM may request the information or evaluate the information as part of an audit of the MS4 Program.
- (6) The MS4 has reviewed and assessed the minimum control measure in accordance with MS4GP [4.7 (i)]:
 Yes No
- (7) The MS4 documents annual training attended by staff specific to their responsibilities in accordance with the MS4GP [4.7 (m)]:
 Yes No
(a) List the number of employees within other departments that have been trained on stormwater issues: 13 from Monroe County Parks and Recreation, 29 from Monroe County Highway (other than stormwater) Department.
- (8) The total number of owned and/or operated facilities (total number as of submittal of this report) within the MS4:
8
- (9) The number of owned and/or operated facilities, identified in item (8) above that require development of a SWPPP:
2
- (10) Facility inspections completed during the reporting period:
(a) The MS4 inspected each facility quarterly: Yes No
If No, provide an explanation:
(b) The MS4 Coordinator participated in at least one of the quarterly inspections at each facility: Yes No
If No, provide an explanation:
- (11) The percentage of surface visual inspection performed by the MS4 during the reporting period:
100 Percent

SECTION 7: MS4 PROGRAM MANAGEMENT AND SUMMARY

- (1) Water Quality Characterization Report (WQCR) [8.1 (a)(5)]:
- (a) The WQCR has been updated during this reporting period. Yes No
Date of Modification/update: **March 31, 2023.**
 - (b) The updated WQCR and/or new and on-going water quality characterization data is required as part of the annual report).
Do not submit this information. As part of the annual report review IDEM may request this information or review the information during an audit of the MS4 Program.
 - (c) Updated list of the receiving waters. The MS4 must maintain documentation of receiving waters. As part of the annual report review, IDEM may request this information or review the information as part of an audit of the MS4 Program [8.1 (a)(6)].
Do not submit this information. As part of the annual report review, IDEM may request this information or review the information as part of an audit of the MS4 Program.
- (2) Provide progress to meet a TMDL, WLA, or improve water quality in the 303d listed impairments) [8.1 (a)(7)]:
- (a) A TMDL implementation plan has been developed within the MS4 boundaries.
 Yes No In Progress Not Applicable
 - (b) If Yes: provide a brief description of progress to meet the TMDL WLA or improve water quality in the 303d listed impairments.
In 2023, Monroe County developed a water quality monitoring program for 5 sites within 3 watersheds with an established TMDL: Bean Blossom Creek (2), Lower Salt Creek (2) and Richland Creek (1). Sampling using Hoosier Riverwatch began in early 2024.
- (3) MS4 jurisdictional boundaries as required by Section 4.2 (a)(1). Identify areas removed or added to the jurisdictional area of the MS4 [8.1 (a)(10)]:
- (a) Provide a shapefile or map with a date that reflects changes made during the reporting period.
- (4) Describe new funding sources and new expenditures [8.1 (a)(9)]:
- (a) **New funding source: ARPA funds for 6 drainage improvement projects associated with paving \$280,000 (2023-2024)**
 - (b) **New expenditures: New tandem dump truck (\$203,096); New pickup truck for Stormwater Inspector (\$26,547); Added budget line for Hydroseeding (for roadside ditch stabilization, \$30,000 annually); Added an additional \$50,000 to Fleet Maintenance budget line due to Gradall repairs**
 - (c)
 - (d)
- (5) Describe relevant sections of the SWQMP that have been modified (by MCM) [8.1 (a)(1)]:
- (a) Public Education, Outreach and Involvement: **No modifications.**
 - (b) Illicit Discharge: **Outfall Inspections and Dry Weather Screening - Added use of the Cartegraph Asset Management mobile app to enter outfall asset information directly in the field. Added creation of IDDE Records within Opengov web-based tracking system to store pictures, sample results, Notice of Violation letters and track progress towards compliance.**
 - (c) Construction Stormwater Run-off: **Added monthly meetings between Monroe County Planning Department, Highway Department, Stormwater Program, and Health Department to discuss construction plan reviews and enforcement concerns.**
 - (d) Post-construction Run-off: **Post-Construction BMP Inventory and Inspections - Added the development, use and maintenance of the BMP Inventory GIS App.**
 - (e) Good Housekeeping: **Monroe County Highway Department - Brine system became operational during winter months of 2022-2023.**
- (6) Brief Description of changes from the previous year due to annual review [8.1 (a)(2)]:
- (a) Public Education, Outreach and Involvement: **Changed goal "Send stormwater-related postcards or mailings to residents in specific watersheds." to "Send stormwater-related postcards or mailings to residents experiencing similar concerns, property owners of similar land uses, and/or HOAs."**
 - (b) Illicit Discharge: **No changes**
 - (c) Construction Stormwater Run-off: **Added new goal "Cross train other County departments that make construction site visits (Building and Planning)." Cross training was completed on 3/2/2023 with approximately 12 people in attendance.**
 - (d) Post-construction Run-off: **No changes**
 - (e) Good Housekeeping: **No changes**

- (7) Implementation problems encountered, including program changes made to address ineffectiveness or infeasibility [8.1 (a)(8)]:
- (a) Public Education, Outreach and Involvement: The watershed-wide postcard/mailing was going to be very expensive, so we changed the measurable goal to a looser definition so we can focus mailings on smaller groups for hopefully more impact.
 - (b) Illicit Discharge: No implementation problems encountered
 - (c) Construction Stormwater Run-off: No implementation problems encountered
 - (d) Post-construction Run-off: No implementation problems encountered
 - (e) Good Housekeeping: No implementation problems encountered

(8) Brief Description of projects or programs that have been successful or should be highlighted and unique:
The Stormwater Inspector (Erica Penna) worked with the Monroe County GIS department to update our BMP Inventory Inspection Application so that it would allow for repeated inspections at a single site without having to recreate BMP points. The data layer is also viewable by other County departments for better plan review and emergency management.

Seven (7) Clean Boater Pledge signs with QR codes were installed at 7 DNR boat ramps around Lake Monroe to encourage participation in IDEM's Clean Boater program.

We hosted a Karst Topography webinar with the Indiana Geological and Water Survey that was geared towards Monroe County engineers and surveyors involved in development in the area.

(9) Brief Description of issues that have been identified that IDEM may be able to assist the MS4 in addressing:
We have post-construction measures within subdivisions where HOAs have dissolved or are inactive, or where the developer walked away, making enforcement very difficult.

SECTION 8: CERTIFICATION AND SIGNATURE

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

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly involved in 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.

Printed Name of Responsible Individual (Applicant/Permittee):

Kelsey Thetonia

Signature of Responsible Individual:

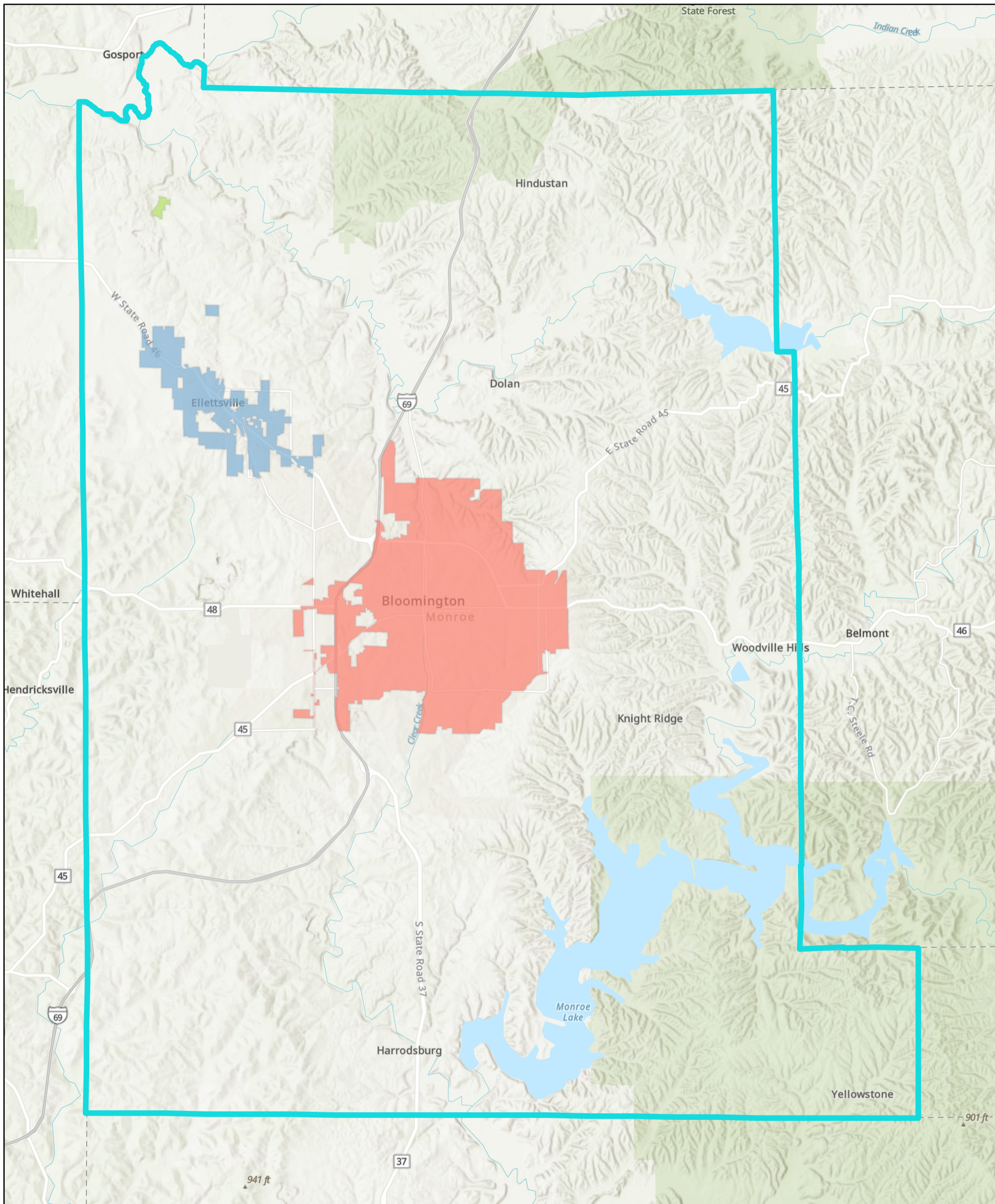


Date (month/day/year) 3 128 12024

Note:

- This document must be signed by the individual meeting requirement of 40 CFR 122.22.
- Signature must be wet ink (FAX and photocopies are not acceptable)

Monroe County Corporate Boundaries

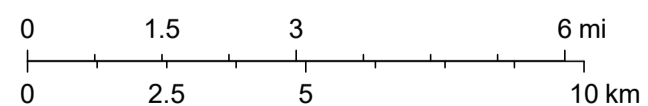


3/26/2024

Corporate Boundaries

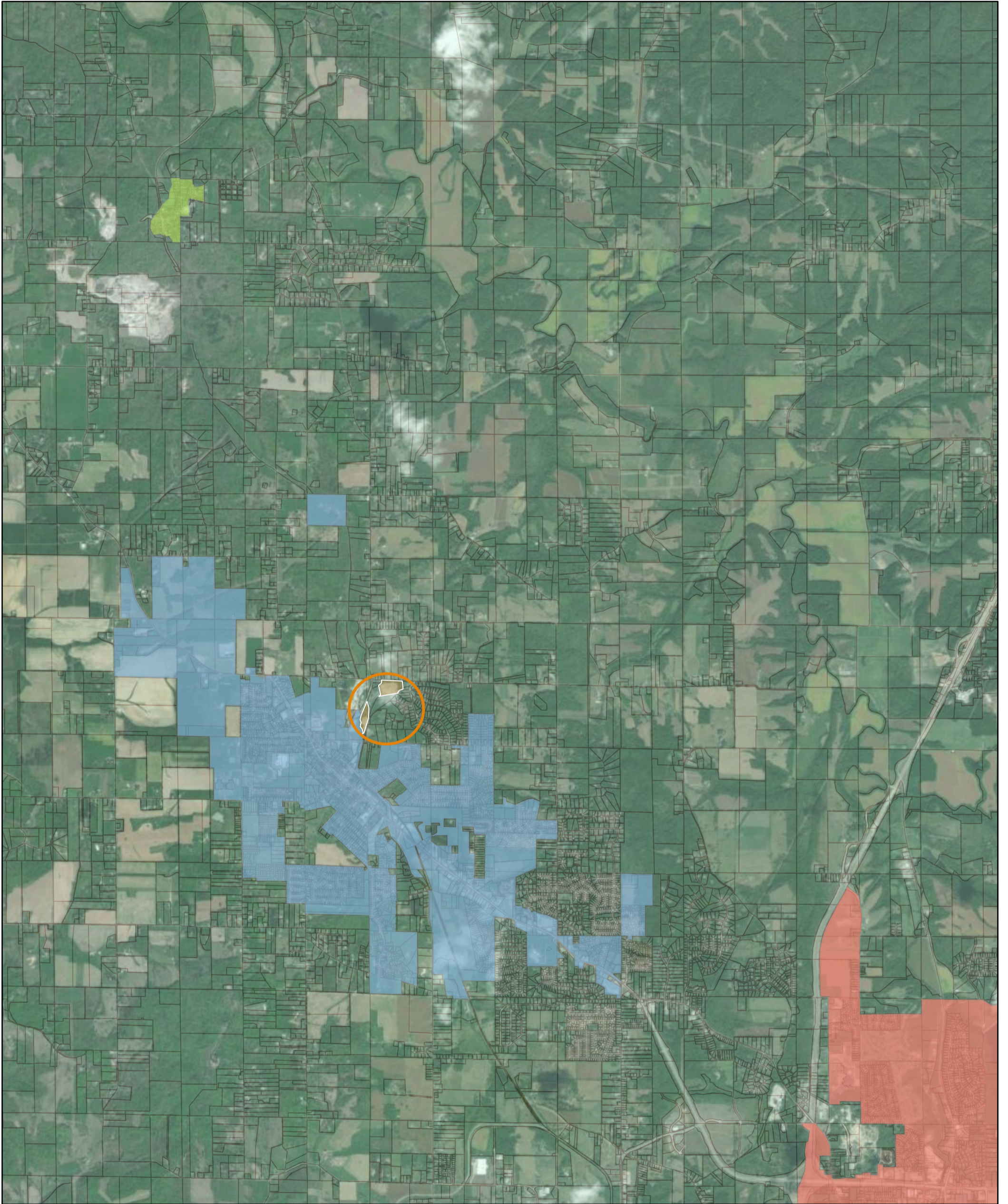
- Bloomington
- Ellettsville
- Stinesville
- Monroe County Boundary

1:175,000



Esri, NASA, NGA, USGS, Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, USFWS

Two Annexed Parcels

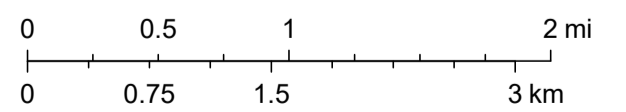


3/26/2024

Corporate Boundaries

-  Bloomington
-  Ellettsville
-  Stinesville
-  Monroe County Parcels
-  Monroe County Boundary

1:60,000



Earthstar Geographics

