Town of Whitestown, Indiana

April 2024

WHITESTOWN
INDIANA

NPDES PHASE II
MS4 GENERAL PERMIT
STORMWATER QUALITY MANAGEMENT PLAN (SWQMP)
PART C: PROGRAM IMPLEMENTATION PLAN

Prepared for: Town of Whitestown, Indiana

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Acronyms

BMP.....Best Management Practice

CSGP.....Construction Stormwater General Permit

HUC .....Hydrologic Unit Code

IAC.....Indiana Administrative Code

IDDE.....Illicit Discharge Detection and Elimination

IDEM.....Indiana Department of Environmental Management

LTAP .....Local Technical Assistance Program

MCM .....Minimum Control Measure

MS4 .....Municipal Separate Storm Sewer System

MS4GP.....Municipal Separate Storm Sewer System General Permit

NOI .....Notice of Intent

NPDES.....National Pollutant Discharge Elimination System

O & M.....Operation and Maintenance

PLSS.....Public Land Survey System

SWCD .....Soil and Water Conservation District

SWMD .....Solid Waste Management District

SWPPP.....Stormwater Pollution Prevention Plan

SWQMP.....Stormwater Quality Management Plan

UWRWA .....Upper White River Watershed Alliance

1.0 Introduction

On December 18, 2021, the Indiana Department of Environmental Management (IDEM) issued a Municipal Separate Storm Sewer System General Permit (MS4GP). The MS4GP replaces Indiana Administrative Code (IAC) 327 IAC 15-13 (Rule 13) that had previously established the permitting requirements for all designated municipal separate storm sewer systems (MS4).

MS4s are defined by IDEM as a conveyance system owned by a state, city, town or other public entity that discharges to waters of the United States and is designed or used for collecting or conveying stormwater. Increasing urbanization alters the natural hydrologic balance through the addition of impervious surfaces which can reduce groundwater recharge, as well as the timing and magnitude of streamflow. MS4 conveyances within urbanized areas have a high potential for polluted stormwater run-off.

The federal Clean Water Act requires stormwater discharges from urbanized areas to be permitted under the National Pollutant Discharge Elimination System (NPDES) program. In 1990, Phase 1 of these requirements became effective and municipalities with MS4 areas containing populations of 100,000 or more, such as Indianapolis, were regulated. In 1999, Phase II became effective, potentially regulating municipalities of any size.

In Indiana, IDEM is responsible for the development and oversight of the NPDES Phase II program. The MS4GP provides permit coverage for Phase II MS4 entities in Indiana. Whitestown was designated by IDEM as a new MS4 entity on April 13, 2022 under MS4GP number INR040000. As a part of being designated by IDEM as a new MS4 entity, these phased requirements for development of a Stormwater Quality Management Plan (SWQMP) are needed:

- Notice of Intent (NOI) and SWQMP Part A: Initial Application;
- SWQMP Part B: Baseline Characterization Report;
- SWQMP Part C: Program Implementation Plan.

Currently, Whitestown has completed the NOI and SWQMP Parts A and B of IDEM's phased requirements for new MS4 designations. This SWQMP Part C document presents a 5-year implementation plan for the Town of Whitestown, Indiana to satisfy the requirements of IDEM's MS4GP. This will also serve as a living document, in which Part C will be updated annually to track the progress Whitestown has made as a newly designated MS4.

1.1 MS4 Area Description

The Town of Whitestown is located in central Indiana in south-central Boone County, approximately 21 miles northwest of Indianapolis. Interstate 65 bisects the Town and the Town's southern border runs along the Boone County and Hendricks County line. The City of Lebanon is located northwest of the Town

and the Town of Zionsville is located to the east. Whitestown's MS4 boundary is the same as its municipal boundary, which extends over 15.96 square miles in Eagle, Perry and Worth Townships (see **Appendix A**).

The Town is located within the following Public Land Survey System (PLSS) Sections:

- Sections 1, 2, 3, 11 and 12, Township 17N, Range 1E;
- Sections 5, 6 and 7, Township 17N, Range 2E;
- Sections 13, 22 – 27 and 34 – 36, Township 18N, Range 1E; and,
- Sections 17 – 20 and 29 – 31, Township 18N, Range 2E.

Agricultural land use covers the majority of the Town's MS4 area. However, agricultural land has been converting to residential, commercial and industrial developments in recent years and this trend is expected to continue.

The Town does not currently have a map of the stormwater outfalls or conveyance systems. In Whitestown, the MS4 conveyance system is expected to consist of streets, curbs and gutters, catch basins and inlets, storm sewers, channels, ditches, and detention basins. A preliminary estimate of MS4 length is approximately 42,000 linear feet of ditches, and 63,000 linear feet of storm sewers.

1.2 Receiving Waters

The Town of Whitestown is located in four, 14-digit Hydrologic Unit Code (HUC) sub-watersheds that drain the MS4 area within the greater HUC-8 Upper White Watershed. Table 1 lists the sub-watersheds.

Table 1: HUC-14 Watersheds within Whitestown.

Hydrological Unit Code (14 digit)	Name of Watershed
05120201120050	Eagle Creek-Jackson Run
05120201120090	Fishback Creek (Eagle Creek Reservoir)
05120201150010	White Lick Creek-Wiley Thompson Ditch
05120201120100	Eagle Creek Reservoir-School Branch

There are also seven named ditches or creeks within the Town of Whitestown that may be impacted by stormwater runoff:

- Etter Ditch
- Fishback Creek
- Green Ditch
- Jackson Run/Laughner Ditch
- McCord Creek
- Schooler Creek
- White Lick Creek

1.3 Stormwater Quality Management Program Administration

The Town of Whitestown's SWQMP will serve to protect public health, infrastructure, and the environment by effectively managing stormwater runoff in a sustainable and responsible manner. As a part of their SWQMP, Whitestown will adopt ordinances that facilitate the associated requirements of IDEM's MS4GP for construction and post-construction activities and, at a minimum, incorporates the requirements of the IDEM Construction Stormwater General Permit (CSGP). To reduce the discharge of pollutants in stormwater to the maximum extent practicable, best management practices (BMPs) will be developed as a part of the SWQMP to satisfy six minimum control measures (MCMs):

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

The required SWQMP Part C: Program Implementation Checklist (State Form 51280) and signed Certification forms (State Forms 51271, 51272, 51273, 51279, 51281) are included in Appendices B and C, respectively.

1.4 Staff Organization for Whitestown

The Town Engineer has been designated as the Stormwater Coordinator, who will serve as the Town's primary contact for the SWQMP. Figure 1 below presents a flow chart of the Town staff and departments responsible to ensure compliance with the MS4GP.

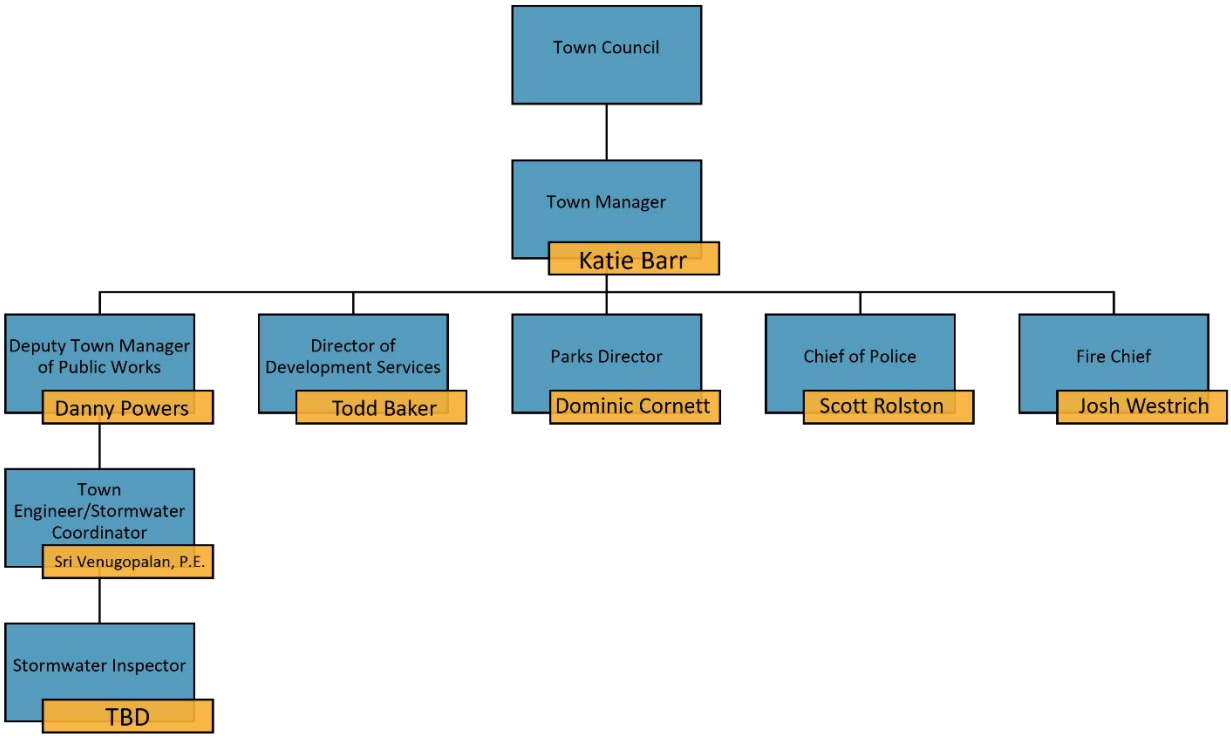


Figure 1: Town of Whitestown SWQMP organization.

1.5 SWQMP Schedule

Whitestown is required to meet a compliance schedule for the development and implementation of a SWQMP and the six (6) MCMs. Table 2 summarizes the overall SWQMP schedule below. Schedules for individual BMPs will be discussed in the following chapters of this plan.

Table 2: Whitestown SWQMP schedule.

Milestone Date	Activity Name
April 13, 2023	Submit NOI and SWQMP Part A: Initial Application
October 13, 2023	Submit SWQMP Part B: Baseline Characterization and Report
April 13, 2024	Submit SWQMP Part C: Program Implementation and Certification Forms
Throughout Permit Term	Implement Public Education and Outreach MCM
April 13, 2024	Submit certification for Public Education and Outreach program
Throughout Permit Term	Implement Public Involvement / Participation MCM
April 13, 2024	Submit certification for Public Involvement / Participation program
Throughout Permit Term	Implement Illicit Discharge Detection / Elimination MCM
April 13, 2024	Submit certification for Illicit Discharge Detection / Elimination program
Throughout Permit Term	Implement Construction Site Runoff MCM
April 13, 2024	Submit certification for Construction Site Program and Regulatory Mechanism
Throughout Permit Term	Implement Municipal Operations Pollution Prevention and Good Housekeeping MCM
April 13, 2024	Submit certification for Operations Pollution Prevention Program
Throughout Permit Term	Implement Post-Construction Runoff Control MCM
April 13, 2025	Adopt Stormwater Ordinance and Technical Standards Manual
April 13, 2025	Adopt an O & M Program Plan
April 13, 2025	Submit certification for Post-Construction Program Plan and Regulatory Mechanism
April 13, 2025	Complete Mapping of 25% of Stormwater Outfall Systems with Pipe Diameters 12” or Greater and Open Ditches with 2’ or Greater Bottom Width
April 13, 2025	Submit Annual Report
April 13, 2026	Complete Mapping of 50% of Stormwater Outfall Systems with Pipe Diameters 12” or Greater and Open Ditches with 2’ or Greater Bottom Width
April 13, 2026	Submit Annual Report
April 13, 2027	Complete Mapping of 75% of Stormwater Outfall Systems with Pipe Diameters 12” or Greater and Open Ditches with 2’ or Greater Bottom Width
April 13, 2027	Submit Annual Report
April 13, 2028	Complete Mapping of 100% of Stormwater Outfall Systems with Pipe Diameters 12” or Greater and Open Ditches with 2’ or Greater Bottom Width

1.6 SWQMP Budget

The estimated proposed budgets for each MCM and administration of the program are summarized in Table 3 below:

Table 3: SWQMP Annual proposed budget for Whitestown, Indiana.

MCM and Administration	Proposed Budget per Year
Public Education and Outreach	$3,000.00
Public Participation and Involvement	$3,000.00
Illicit Discharge Detection and Elimination	$12,000.00
Construction Site Storm Water Runoff Control	$25,000.00
Post-Construction Storm Water Runoff Control	$12,000.00
Municipal Operations Pollution Prevention and Good Housekeeping	$15,000.00
Program Management	$20,000.00
Total (per year)	**$90,000.00**

As the Town begins to implement the SWQMP, it is expected that these annual budgets may change to focus on shifting priorities. Whitestown is also reviewing whether a stormwater user fee should be established, which would help fund SWQMP activities.

2.0 MCM #1: Public Education and Outreach

This section describes activities related to public education and outreach of stormwater issues. IDEM's MS4GP requires all target residents within the MS4 boundary be educated on the potential adverse effects pollutants in stormwater runoff pose to water quality. These audiences include Town officials, contractors, developers, commercial interests, industry, institutions (including educators and students), residents and visitors. Additionally, members within the MS4 boundary are to be educated on ways to reduce their impact on water quality.

Overall, public outreach and education are essential components of a comprehensive SWQMP, enabling Whitestown to mobilize community support, promote pollution prevention, and achieve sustainable water management goals.

2.1 Permit Requirements

Whitestown's Town Engineer and Stormwater Coordinator will be responsible for managing and implementing the stormwater public education and outreach program and each BMP for this MCM. The MS4GP requires the Town to:

- Identify target constituents and develop a stormwater Public Education and Outreach program within one year, which includes:
  - a minimum of two (2) public events regarding three (3) identified community-wide stormwater quality issues;
  - annual training on the construction site run-off and post-construction MCMs for builders, developers, contractors, engineers and others in the construction industry.
- Develop and implement a program for educating target audiences about illicit discharges and proper disposal of waste;
- Create a stormwater public information web page.

Annual report updates will assess the program and update goals as necessary. The report will document progress, including the status of measurable goals, compliance schedules and timetables for this MCM. The report will include summaries of each BMP used, its target pollutants, and target and estimated size of audience. Lists of all public education materials and training opportunities provided to contractors, developer and builders, property owners and other targeted entities will also be included.

2.2 Planned Activities

BMPs for Public Education and Outreach have been selected based on the Town's current and expected operations and are summarized in Table 4. These BMPs have been combined with the BMPs outlined for MCM #2, Public Participation and Involvement, due to overlapping goals and similarities.

The Town will consider utilizing existing programs and resources in Boone County to facilitate completing the goals of this MCM. The Town will research opportunities to work with the Boone County

Soil and Water Conservation District (SWCD), Boone County Solid Waste Management District (SWMD), neighboring MS4s and the Upper White River Watershed Alliance (UWRWA).

Based on the range of agricultural and developed land uses within Whitestown, BMPs for MCMs #1 and #2 will be tailored to address both rural and urban audiences.

3.0 MCM #2: Public Participation and Involvement

This section describes activities related to fostering public participation and involvement in the development of the Town's SWQMP. Additionally, this section encourages the public to become actively involved in the reduction of stormwater pollution.

Active outreach strategies, such as brochures, websites, presentations, signage, public and private educational programs, volunteer events and public workshops, can be used to both educate the public and engage them in BMP activities. These activities can be designed to involve all target audiences within the community.

Collectively, public participation and involvement promotes transparency, accountability, and collaboration between Whitestown, stakeholders, and the community, leading to more resilient and sustainable stormwater management practices.

3.1 Permit Requirements

Whitestown's Town Engineer and Stormwater Coordinator will be responsible for managing and implementing the stormwater public participation and involvement program and each BMP for this MCM. The MS4GP requires the Town to:

- Demonstrate that residents of Whitestown are provided with opportunities to participate in the development of the SWQMP.
- Estimate number or percentages of citizens that are aware of stormwater quality issues and/or participate in stormwater quality improvement projects;
- Report stormwater program updates to the Town Council or an advisory board annually.
- Develop and implement a Public Participation and Involvement program within one year.

Annual report updates will assess the program and update goals as necessary. The report will document progress, including the status of measurable goals, compliance schedules and timetables for this MCM. The report will include summaries of each BMP used, its target pollutants, and target and estimated size of audience. Lists of all public education materials and training opportunities provided to contractors, developer and builders, property owners and other targeted entities will also be included.

3.2 Planned Activities

BMPs for Public Participation and Involvement have been selected based on the Town's current and expected operations and are summarized in Table 4. These BMPs have been combined with the BMPs outlined for MCM #1, Public Education and Outreach, due to overlapping goals and similarities.

The Town will consider utilizing existing programs and resources in Boone County to facilitate completing the goals of this MCM. As part of the SWQMP, the Town will research opportunities to work with the SWCD, SWMD, neighboring MS4s and the UWRWA.

Based on the range of agricultural and developed land uses within Whitestown, BMPs for MCMs #1 and #2 will address both rural and urban audiences.

Data records and measurable goal updates will be included as the SWQMP is implemented and documented in Table 4 and **Appendix D** in annual report updates.

Table 4: BMPs to be implemented by Whitestown to meet requirements for MCM # 1 and #2

BMP ID	BMP	Description	Measurable Goals and Program Indicators	Timeline	Responsible Party	Annual Progress and Updates
1a	Watershed Signage	Educational signage to identify watershed boundaries and major streams or rivers within the MS4 boundary.	Install signage in effective locations. Document number and locations of signage placed.	On-going	Town Engineer/Stormwater Coordinator	TBD
1b	Partnerships	Collaborations with partnering agencies to enhance educational opportunities, outreach, participation, and involvement.	Develop and continue to establish good relations with partnering agencies that may assist with Whitestown's SWQMP. This could include: Boone County Soil and Water Conservation District Boone County Solid Waste Management District Upper White River Watershed Alliance	On-going	Town Engineer/Stormwater Coordinator	TBD
1c	Stormwater Educational Materials	Educational flyers, brochures, posters, infographics, guides, e-newsletters, manuals, etc.	Create educational materials that target all audiences within Whitestown. Develop three (3) brochures with stormwater themes	2024-2025	Town Engineer/Stormwater Coordinator	TBD

			targeted to the following groups: construction; residential; commercial and industrial. Display stormwater educational materials at a minimum of two (2) public events.			
1d	Website	Website that houses Whitestown's Stormwater Management Program. At a minimum the website should include: • A location for the public to report stormwater quality issues. • Information and resources to educate visitors to the site. • MS4 stormwater ordinances. • MS4 program information, including the SWQMP.	Create website and track traffic.	2024-2025	Town Engineer/Stormwater Coordinator	TBD
1e	Storm Drain Marking/Artwork	Require storm drain markers for new storm inlet construction to warn citizens not to dispose of pollutants into waterways. Add markers to existing storm drains.	Document the number of storm drains marked and provide pre-cast markers for new storm drain installation.	On-going	Town Engineer/Stormwater Coordinator	TBD

1f	Waterway Cleanups	Volunteer-based trash, litter, and leaf pickups.	Document number of cleanups hosted. Partner with local agencies.	On-going	Town Engineer/Stormwater Coordinator	TBD
1g	Citizen Advisory Group	Group of approximately 3-7 members to advise the Public Works Department.	Form a Citizen Advisory Group and schedule meetings discuss prioritizing SWQMP activities and provide comments on program direction.	On-going	Town Engineer/Stormwater Coordinator	TBD
1h	Tree Planting	Tree plantings per development requirements.	Document number of trees planted.	On-going	Town Engineer/Stormwater Coordinator	TBD
1i	Local Media Opportunities	Provide stormwater related issues and resources to a broader audience through various media outlets (e.g., websites, local TV, newspaper etc.).	Track number of media related items and information each piece of media provides.	On-going	Town Engineer/Stormwater Coordinator	TBD
1j	Public Participation List	List of groups and individuals that are likely to have interest in Whitestown's SWQMP.	Develop an email contact list of groups and individuals and develop a means to track activities and involvement.	On-going	Town Engineer/Stormwater Coordinator	TBD
1k	Pollution Tip Hotline	Offer resources for citizens to report pollution concerns and offer guidance.	Create phone number to assist in pollution related questions and concerns. Track responses and any follow-up actions.	On-going	Town Engineer/Stormwater Coordinator	TBD

1l	Public Meetings	Present stormwater related information to the Town Council and advisory boards.	Annual updates. Provide meeting descriptions and number of meetings conducted.	On-going	Town Engineer/Stormwater Coordinator	TBD

4.0 MCM #3: Illicit Discharge Detection and Elimination

This section discusses activities pertaining to illicit discharge detection and elimination (IDDE). The IDEM MS4GP mandates that MS4s develop, implement and enforce a plan to detect and eliminate non-stormwater illicit discharges, including illegal dumping to MS4 conveyances. MS4 conveyances can include storm sewers, open channels, ditches, swales, pipes, culverts, detention and retention basins, and outlet structures.

Illicit discharges and dumping in waterways pose a threat to environmental sustainability, public health, and the economic well-being of communities. IDDE plans are a critical aspect of a SWQMP and enable the Town of Whitestown to effectively identify, prevent, and mitigate illicit discharges into waterways.

The IDDE program will involve multiple departments within the Town, including the Fire Department, and County agencies.

4.1 Permit Requirements

Whitestown's Town Engineer and Stormwater Coordinator will be responsible for managing and implementing the IDDE program and each BMP for this MCM. The MS4GP requires the Town to:

- Adopt and enforce the provisions of an IDDE ordinance that prohibits illicit discharges into MS4 conveyances and establishes enforcement policy and procedures ;
- Develop, maintain and update a storm sewer system map for the MS4, including all stormwater outfalls and active industrial facilities that discharge into the MS4;
- Develop an IDDE Plan to detect and eliminate non-stormwater discharges;
- Develop a map that identifies high priority areas for the IDDE program;
- Develop a program for public reporting of illicit discharges and spills;
- Develop a leaking dumpster mitigation program;
- Develop a program to locate problems areas through dry-weather screening of all known stormwater outfalls, including standard operating procedures (SOP) and schedule for screening;
- Provide annual training to inform public employees of the hazards associated with illegal discharges and improper handling, storage and disposal of solid waste, wash water, paint spills and other pollutants;
- Provide annual training for all employees who investigate illicit discharges or illicit connections;
- Develop a recycling program for common wastes.

Annual report updates will assess the program and update goals as necessary. The annual report will address and document progress, including the status of measurable goals, compliance schedules, and timelines for this MCM. The report will also include summaries of each BMP used to comply with the IDEM MS4GP.

4.2 Past Activities

Currently, the Town has started the process of mapping the storm sewer network as required by MCM #3.

4.3 Planned Activities

BMPs for IDDE have been selected based on the Town's current and expected operations and are summarized in Table 5 below. The foundation for the Illicit discharge detection and elimination (IDDE) program will be comprehensive storm sewer mapping that includes the location of all MS4 outfalls to receiving waters. MS4GP requirements include the mapping of 25% of the storm sewer system every year, starting in year two of the first permit term.

The Town is also required to develop a strategy to prohibit discharges into the MS4 through an ordinance or other regulatory mechanism. The ordinance will need to include enforcement procedures and actions, requirements for abatement or remediation, fines and consequences if fines are not paid. The Indiana Local Technical Assistance Program (LTAP) has developed a model stormwater management ordinance and stormwater technical standards manual. The manual provides details of how the ordinance provisions will need to be satisfied by designers, contractors and owners within the MS4.

The Town will consider utilizing existing programs and resources in Boone County to facilitate completing the goals of this MCM. The Town will research opportunities to work with the Boone County Soil and Water Conservation District (SWCD), Boone County Solid Waste Management District (SWMD), neighboring MS4s and the Upper White River Watershed Alliance (UWRWA).

Additional BMPs include fostering a public program allowing the public to report illicit discharges and spills, hosting training programs for public employees that investigate illicit discharges or connections and establishing a leaking dumpster elimination program.

Data records and measurable goal updates will be included as the SWQMP is implemented and documented in Table 5 and **Appendix D** in annual report updates

Table 5: BMPs to be implemented by Whitestown to meet requirements for MCM #3.

BMP ID	BMP	Description	Measurable Goals and Program Indicators	Timeline	Responsible Party	Annual Progress and Updates
3a	IDDE Ordinance	Law or regulation set by authority (i.e., Whitestown) to eliminate illicit discharges.	Develop ordinance to effectively eliminate illicit discharges into Whitestown's MS4 area.	2024-2025	Town Engineer/Stormwater Coordinator	TBD
3b	Stormwater System Map	A complete mapping of Whitestown's storm sewer system within 5 years.	Develop a plan to map at least 25% of Whitestown's storm sewer system annually starting with second year of first permit term. Report length of MS4 conveyances and number of outfalls mapped.	Map 25% of the storm sewer system every year, starting in year two of the permit term.	Town Engineer/Stormwater Coordinator	TBD
3c	IDDE Plan for Non-Stormwater Discharges	Illicit discharge and elimination plan for non-stormwater discharges (e.g., sanitary wastewater, wash water from home repair or automotive equipment, chlorinated water from pools, etc.)	Develop an IDDE Plan to detect and eliminate non-stormwater discharges. Report number of illicit discharges detected and eliminated.	On-going	Town Engineer/Stormwater Coordinator and Stormwater Inspector	TBD

3d	High Priority IDDE Mapping	Detailed map of high priority areas for the IDDE program, including active industrial facilities	Identify high priority illicit discharge areas that require screening or investigation.	On-going	Town Engineer/Stormwater Coordinator and Stormwater Inspector	TBD
3e	Public Program to Report Illicit Discharging and Dumping	Program that allows the public to report any illicit discharging and dumping.	Develop public program plan and document location and number of illicit discharges detected and eliminated.	On-going	Town Engineer/Stormwater Coordinator and Stormwater Inspector	TBD
3f	Leaking Dumpster Mitigation Program	Program that identifies leaking dumpsters and how to reduce them.	Develop program and document meetings on an annual basis. Also, identify leaking dumpsters within the Town.	On-going	Town Engineer/Stormwater Coordinator and Stormwater Inspector	TBD
3g	Dry Weather Outfall Screening	Detailed examination of known stormwater outfalls to document any illicit discharges.	Perform dry-weather screening of all known stormwater outfalls. Report number of screenings for documentation purposes.	Screen at least 20% of known outfalls each year, starting in year two of the permit term.	Town Engineer/Stormwater Coordinator and Stormwater Inspector	TBD
3h	IDDE Training Program for Public Employees	Training program that informs public employees on the hazards associated with illicit discharges.	Providing an annual training program to inform public employees of the hazards associated with illegal	On-going	Town Engineer/Stormwater Coordinator and Stormwater Inspector	TBD

			discharges. Document number of trainings performed each year.			
3i	IDDE training program for all employees that investigate illicit discharges or connections	Training program for all employees that investigate illicit discharges or connections.	Providing annual training for all employees who investigate illicit discharges or illicit connections. Document number of trainings performed each year.	On-going	Town Engineer/Stormwater Coordinator and Stormwater Inspector	TBD
3j	Recycling program for commonly dumped wastes	Recycling program for citizens of the Town that allows for recycling of commonly dumped wastes.	Develop recycling program for citizens of Whitestown. Document and estimate amount of wastes recycled and citizens that utilize the program annually.	On-going	Town Engineer/Stormwater Coordinator and Stormwater Inspector	TBD

5.0 MCM #4: Construction Site Stormwater Run-off Control

Construction projects involve mass grading that exposes subsoils to stormwater. Consequently, excess sediment and sediment-bound pollutants can be carried through stormwater runoff during rainfall. The Construction Site Stormwater Runoff Control MCM requires that MS4's develop, implement and enforce a program to reduce construction generated pollution from construction activities that include land disturbance of greater than or equal to one acre. A successful construction site stormwater control plan promotes sustainable practices and control measures to ensure the Town's water resources are protected from construction activities that include land disturbance.

5.1 Permit Requirements

The program and ordinance must, at a minimum, contain the requirements of the IDEM Construction Stormwater General Permit (CSGP). Whitestown's Town Engineer and Stormwater Coordinator will be responsible for managing and implementing the construction site stormwater runoff control plan and each BMP for this MCM. The MS4GP requires the Town to:

- Implement and enforce the provisions of an ordinance and technical standards manual to require erosion and sediment and stormwater quality controls on construction sites;
- Provide requirements for construction site operators to implement erosion and sediment control BMPs and stormwater quality control BMPs, such as silt fence, concrete truck washouts and storage practices for waste and hazardous materials;
- Provide contractor education for erosion and sediment control and stormwater quality measures;
- Provide a process for citizens to submit construction activity-related complaints and feedback;
- Establish permitting procedures, internal processes and timetables for submittal and review of construction plans and applications;
- Conduct erosion and sediment control plan and Stormwater Pollution Prevention Plan (SWPPP) reviews;
- Establish processes and procedures for construction site inspections;
- Provide MS4 staff with annual training specific to construction site stormwater runoff quality control;
- Maintain an inventory of all construction site projects subject to the CSGP, the Town's ordinances and those that are owned and/or operated by the Town.
- Document number of construction sites that were permitted for stormwater quality.

Annual report updates will assess the program and update goals as necessary. The annual report will address and document progress, including the status of measurable goals, compliance schedules, and timelines for this MCM. The report will also include summaries of each BMP used to comply with the IDEM MS4GP.

5.2 Past Activities

The Town is in the process of training staff to perform SWPPP inspections.

5.3 Planned Activities

BMPs for construction site stormwater runoff controls are summarized in Table 6 below. The Town will need to adopt an ordinance that requires construction site owners for land disturbances of one (1) acre or more to submit a SWPPP with detailed erosion and sediment control plans to Whitestown or the SWCD, as well as a copy to IDEM. All land-disturbing activities will be required to provide erosion and sediment control measures in accordance with the County's or the Town's soon to be adopted Technical Standards Manual.

Whitestown's construction site stormwater program will include procedures for construction plan review, SWPPP reviews, site inspection, and, when necessary, identifying and documenting violations and implementing enforcement actions, such as stop work orders and fines. Currently, the Town relies on Boone County for SWPPP reviews and site inspections and enforcement; this arrangement is expected to continue through 2024 and possibly longer.

The Town will consider utilizing existing programs and resources in Boone County to facilitate completing the goals of this MCM. The Town will research opportunities to work with the Boone County Soil and Water Conservation District (SWCD), Boone County Solid Waste Management District (SWMD), neighboring MS4s and the Upper White River Watershed Alliance (UWRWA).

Data records and measurable goal updates will be included as the SWQMP is implemented and documented in Table 6 and **Appendix D** in annual report updates.

Table 6: BMPs to be implemented by Whitestown to meet requirements for MCM # 4.

BMP ID	BMP	Description	Measurable Goals and Program Indicators	Timeline	Responsible Party	Annual Progress and Updates
4a	Construction Site Erosion and Sediment Control and Stormwater Quality Ordinance	Law or regulation set by Town of Whitestown to address construction site runoff.	Develop construction site erosion and sediment control ordinance and review language periodically for any updates.	2024-2025	Town Engineer/Stormwater Coordinator	TBD
4b	Stormwater Technical Standards	Technical manual for erosion and sediment control and stormwater quality BMPs in compliance with the IDEM CSGP.	Develop and adopt manual. Review manual language periodically for needed updates.	2024-2025	Town Engineer/Stormwater Coordinator	TBD
4c	Citizen Complaint Process	Program that allows the public to report complaints about construction activity-related stormwater runoff.	Develop program and document number of complaints, public inquiries and concerns, and resulting actions.	On-going	Town Engineer/Stormwater Coordinator	TBD
4d	Contractor Education	Trainings and educational opportunities to construction professionals.	Create informative trainings and educational opportunities and document the number of trainings performed annually.	On-going	Town Engineer/Stormwater Coordinator	TBD

4e	Erosion and Sediment Control Plan Reviews	Detailed reviews of erosion and sediment control project plans.	Establish an erosion and sediment control review process and document number of plans reviewed.	On-going	Town Engineer/Stormwater Coordinator	TBD
4f	Construction Site Inspections	Thorough and detailed inspections of construction site stormwater runoff controls.	Conduct site inspections and track the number of violations, enforcements, and frequency of site inspections.	On-going	Town Engineer/Stormwater Coordinator	TBD
4g	Annual Training for MS4 Staff	Training program that informs MS4 staff on construction site runoff controls.	Provide annual training to MS4 staff and document trainings performed.	On-going	Town Engineer/Stormwater Coordinator	TBD
4h	Construction Site Sediment and Erosion Control Database	Comprehensive database that houses and tracks the status of construction site stormwater activities with Whitestown.	Establish comprehensive database to document the status of Whitestown's construction site stormwater activities. Track number of violations, complaints, and public requests.	On-going	Town Engineer/Stormwater Coordinator	TBD

6.0 MCM #5: Post-Construction Stormwater Run-off Control

This section describes activities pertaining to post-construction stormwater management. Post-construction stormwater management aims to develop, implement, and enforce a program to address stormwater runoff from new development and redevelopment projects that discharge into the MS4 and disturb one (1) or more acres of land. Also, the Town may decide to apply this program to projects with smaller land disturbances. This program shall ensure that controls are in place that reduce water quality impacts.

Collectively, an effective post-construction stormwater management program is essential for protecting water quality, reducing flood risk, promoting sustainable development in Whitestown, and enhancing community resilience while the Town continues to urbanize.

6.1 Permit Requirements

Whitestown's Town Engineer and Stormwater Coordinator will be responsible for managing and implementing the Town's post-construction stormwater management program. The MS4GP document lists all requirements for compliance with this MCM:

- Adopt and enforce the provisions of an ordinance and technical standards for post-construction stormwater management. The ordinance and technical standards manual will need to include performance standards for stormwater quantity and quantity measures;
- Post-construction stormwater management plan reviews;
- Administer an inspection program to ensure BMPs are installed, operated and maintained per requirements;
- Develop a plan or requirements to ensure long-term O & M and inspection of all private and public BMPs;
- Update the storm sewer system map with locations of post-construction BMPs constructed within the MS4;
- Provide MS4 staff with annual training specific to post-construction site stormwater runoff quality control activities;
- Determine the number, type, and location of any structural BMPs maintained or updated;
- Develop the type and location of non-structural BMPs the Town utilizes;
- An estimation of the area of open space preserved and mapped;
- An estimation of the area of mapped pervious and impervious surfaces;
- Document retail gasoline outlets or any municipal, state, federal, and institutional refueling areas within the boundaries of the Town;
- Determine the number and location of Whitestown facilities that have containment for accidental releases;

- Estimate the area where pesticides and fertilizers are applied by Whitestown;
- Estimate and document the percentage of unvegetated swales and ditches that have appropriately sized vegetated filter strips.

Annual report updates will assess the program and update goals as necessary. The annual report will address and document progress, including the status of measurable goals, compliance schedules, and timelines for this MCM. The report will also include summaries of each BMP used to comply with the IDEM MS4GP.

6.2 Past Activities

The Town is in the process of training staff to conduct post-construction stormwater management BMP inspections.

6.3 Planned Activities

The primary mechanism the Town will use to guide post-construction stormwater controls is an adopted Technical Standards Manual, which will outline stormwater management design requirements and procedures for new development and redevelopment projects. Compliance with these design requirements will be included in the Town's Stormwater Ordinance. Mapping of the storm sewer system will include post-construction stormwater BMPs in the Town, which will assist Town staff with monitoring the inspection and maintenance of all BMPs within the MS4. This activity can be accomplished in conjunction with MCM #3 BMP 3b (Table 5), which requires a complete mapping of storm sewer outfalls and conveyance systems within the first year of the 5-year permit term. Responsible parties and maintenance and inspection schedules will need to be designated for each BMP on all plan submittals.

The Town will consider utilizing existing programs and resources in Boone County to facilitate completing the goals of this MCM. The Town will research opportunities to work with the Boone County Soil and Water Conservation District (SWCD), Boone County Solid Waste Management District (SWMD), neighboring MS4s and the Upper White River Watershed Alliance (UWRWA).

Data records and measurable goal updates will be included as the SWQMP is implemented and documented in Table 7 and **Appendix D** in annual report updates.

Table 7: BMPs to be implemented by Whitestown to meet requirements for MCM # 5.

BMP ID	BMP	Description	Measurable Goals and Program Indicators	Timeline	Responsible Party	Annual Progress and Updates
5a	Post-Construction Stormwater Management Ordinance	Law or regulation set by Town of Whitestown to address post-construction stormwater management.	Develop post-construction stormwater management ordinance and review language periodically for any updates.	2024-2025	Town Engineer/Stormwater Coordinator	TBD
5b	Stormwater Technical Standards	Technical manual for post-construction stormwater quality BMPs.	Develop and adopt manual. Review manual language periodically for needed updates.	2024-2025	Town Engineer/Stormwater Coordinator	TBD
5c	Construction Site Inspections for Post-Construction BMPs	Assessing the effectiveness of implemented measures designed to control stormwater runoff and minimize environmental impacts after construction activities have been completed.	Develop comprehensive construction site inspections program for post-construction BMPs. Document number of sites and BMPs inspected and installed. Report any violations.	On-going	Town Engineer/Stormwater Coordinator	TBD
5d	Operations and Maintenance (O & M) Manual	Comprehensive document that outlines procedures and protocols for managing and	Develop comprehensive O & M manual. Track maintenance and operations activities,	On-going	Town Engineer/Stormwater Coordinator	TBD

		maintaining stormwater management infrastructure.	trainings, and inspections			
5e	Updated Storm Sewer System Map with Post-Construction BMP Locations	Up-to-date storm sewer map that includes any post-construction BMPs (e.g., bioretention, constructed wetland, porous pavement, ponds etc.).	In conjunction with BMP 3b, storm sewer mapping in MCM #3, update storm sewer system to include post-construction BMPs. Document number and type of BMPs installed.	On-going	Town Engineer/Stormwater Coordinator	TBD
5f	Post-construction stormwater management plan reviews	Involves the assessment and evaluation of plans and designs for managing stormwater runoff after construction activities have been completed.	Develop procedure for thorough plan reviews and track number of management plans reviewed.	On-going	Town Engineer/Stormwater Coordinator	TBD
5g	Annual Training for MS4 Staff	Training program that informs MS4 staff on the design, construction, maintenance and inspection of post-construction stormwater quality BMPs.	Provide annual training to MS4 staff and document trainings performed.	On-going	Town Engineer/Stormwater Coordinator	TBD

7.0 MCM #6: Municipal Operations Pollution Prevention and Good Housekeeping

Pollution prevention and good housekeeping aims to implement operation and maintenance (O & M) procedures, employee training and management procedures to prevent or reduce pollutant runoff from municipal operations and facilities.

The Town's pollution prevention and good housekeeping program for municipal operations may focus on street sweeping, proper road salt storage, and cleaning and maintenance of the storm sewer conveyance system. Establishment of this program will require the involvement of the Public Works, Parks and Recreation, Fire and Metropolitan Police Departments. The Town will need to implement annual stormwater pollution prevention training for applicable staff.

Overall, pollution prevention and good housekeeping are essential components of an effective SWQMP for municipalities, helping to protect water resources, meet regulatory requirements, and safeguard public health and the environment.

7.1 Permit Requirements

The MS4GP document lists all requirements for compliance with this MCM. Requirements and BMPs, include:

- Develop an O & M program for municipal operations. This program may be in conjunction with the Town's IDDE plan for signage, prevention of non-stormwater discharges, and leaking dumpster mitigation. This ensures a more robust and comprehensive O & M program;
- Develop an inventory of and annually inspect municipal facilities for compliance with the IDDE Plan and O & M program;
- Develop a SWPPP for each MS4-owned and/or operated facility that uses, stores, or discharges pollutants that may degrade water quality;
- Developing, documenting and providing stormwater pollution prevention training materials to applicable staff;
- Develop a written O & M plan for MS4-owned and/or operated stormwater infrastructure. This should include;
    - Performing municipal street sweeping and storm sewer cleaning;
    - Ensuring salt piles and other stored materials (i.e. mulch, gravel) are covered to prevent stormwater run-on and runoff of material;
    - Ensuring equipment is stored above spill pans;
    - Installing pollution prevention signage over shop and washout pit drains;
    - Proper disposal of unused and outdated chemicals;
    - Ensuring that soil disturbance associated with ditch and MS4 conveyance maintenance is stabilized;

  - Documentation of maintenance, activities, schedules, and inspections to reduce stormwater pollution.
- Provide documentation that new flood control structures are assessed for their impacts on water quality and quantity during both the planning and design process;
- Conduct evaluation of existing flood control structures owned and/or operated by Whitestown with the intent of modifying structures to improve water quality within Whitestown.
- Estimate and document the percentage of roadside shoulders and ditches that are stabilized.

Annual report updates will assess the program and update goals as necessary. The annual report will address and document progress, including the status of measurable goals, compliance schedules, and timelines for this MCM. The report will also include summaries of each BMP used to comply with IDEMs MS4GP.

7.2 Past Activities

The town currently employs pollution prevention and good housekeeping procedures such as safe storage of spill pans, street sweeping, proper waste disposal, and covered salt, gravel, and sand piles.

7.3 Planned Activities

The Town's Stormwater Coordinator will be responsible for the overall management and implementation of the Municipal Operations Pollution Prevention and Good Housekeeping program and for each specific BMP, unless otherwise designated. Annual reporting should include:

- Summary of employee training programs;
- List of municipal facilities, number inspected and frequency of inspections;
- Documentation of wastes disposed from the Town's municipal operations and their disposal sites;
- Documentation of material storage (de-icing salt and sand) and methods used to minimize stormwater exposure;
- Document the amount of street sweeping and catch basin material collected and its disposal.
- Status of measurable goals, program indicators, compliance schedules, and timetables;
- Documentation on the number and location of stormwater outfalls and conveyances with repairs;
- Documentation of stormwater outfalls that are remediated from scouring conditions.

Data records and measurable goal updates will be included as the SWQMP is implemented and documented in Table 8 and **Appendix D** during future reports.

Table 8: BMPs to be implemented by Whitestown to meet requirements for MCM # 6.

BMP ID	BMP	Description	Measurable Goals and Program Indicators	Timeline	Responsible Party	Annual Progress and Updates
6a	O & M program for municipal operations	Thorough operations and maintenance program that also includes inventory and inspections documentation of municipal facilities.	Develop comprehensive O & M program and inventory and inspections log for municipal facilities. Track inventory and number of inspections.	On-going	Town Engineer/Stormwater Coordinator	TBD
6b	Inventory of MS4-owned and/or operated facilities	Documentation of supplies and materials located in Whitestown owned and operated facilities.	Conduct detailed inventory for each Whitestown owned or operated facility. Document and list items found in facilities.	2024-2025	Town Engineer/Stormwater Coordinator	TBD
6c	Equipment is stored above spill pans.	Ensure equipment and machinery spill spans are stored above to avoid potential pollution concerns.	Develop habit and procedure of storing spill pans above equipment.	On-going	Town Engineer/Stormwater Coordinator	TBD
6d	SWPPP for each MS4-owned and/or operated facility	Stormwater pollution prevention plan for each MS4-owned and/or operated facility that use, store, or discharge pollutants that may degrade water quality.	Develop SWPPPs for each MS4-owned and/or operated facility. Track number of SWPPPs developed.	2024-2025	Town Engineer/Stormwater Coordinator	TBD

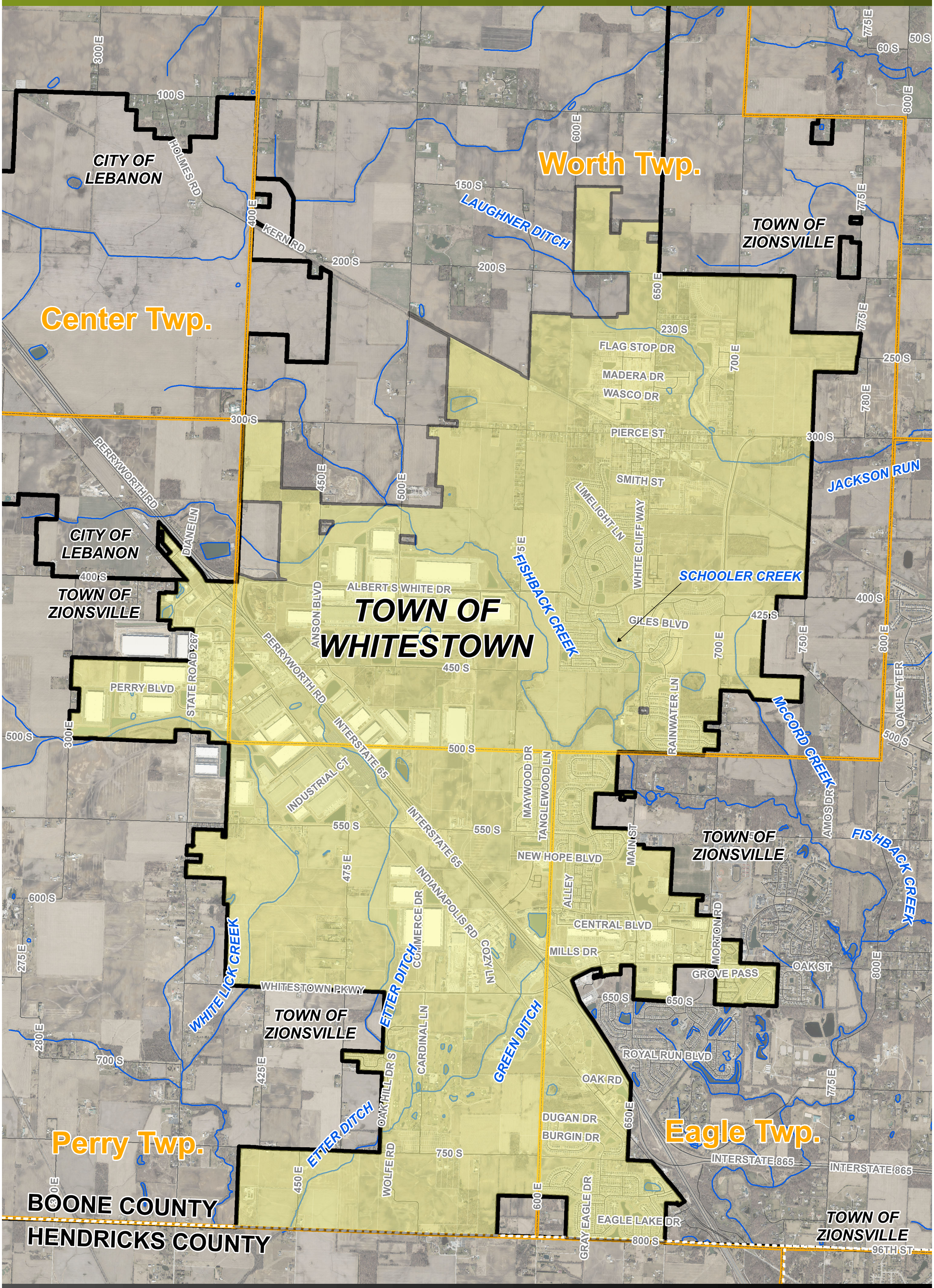
6e	O & M Plan for each MS4-owned stormwater infrastructure	Informative operation and maintenance plan for each Whitestown-owned and -operated stormwater infrastructure.	Develop O & M plan for each Whitestown-owned stormwater infrastructure. Document that conveyance system maintenance is being completed.	2024-2025	Town Engineer/Stormwater Coordinator	TBD
6f	Stormwater pollution prevention training materials.	Multiple types of training materials (i.e., online courses and webinars, training manuals and videos, field demonstrations and workshops etc.) for applicable staff.	Develop, document, and provide training materials for applicable staff.	On-going	Town Engineer/Stormwater Coordinator	TBD
6g	Pollution prevention signage over shop and washout pit drains.	Noticeable signage educating pollution prevention above shop and washout drains.	Install and document pollution prevention signage.	On-going	Town Engineer/Stormwater Coordinator	TBD
6h	Municipal street sweeping and storm sewer cleaning.	Performing municipal street sweeping and storm sewer cleanings to reduce particulates and debris in conveyances.	Develop street sweeping and storm sewer cleaning program and document number of sweepings and sewer cleanings. Estimate amount of debris collected by sweeping.	On-going	Town Engineer/Stormwater Coordinator	TBD
6i	Proper Management and Storage of Salt piles and other stored	Covered salt, mulch, sand or gravel piles reduce risk of pollution mobilization.	Ensure salt piles and other stored materials are covered. Document amount in	On-going	Town Engineer/Stormwater Coordinator	TBD

	materials (mulch, gravel).		tons, of salt and sand used for snow and ice.			
6j	Proper disposal of unused and outdated chemicals.	Proper disposal of excess, unused, and/or outdated chemicals to reduce environmental impacts.	Develop and document proper chemical disposal program.	On-going	Town Engineer/Stormwater Coordinator	TBD
6k	Soil stabilization with ditch and MS4 maintenance.	Stabilized soils reduce the magnitude of erosion and pollutant leaching.	Ensure soils are stabilized with any soil disturbance activity.	On-going	Town Engineer/Stormwater Coordinator	TBD

Appendix A

Town of Whitestown MS4 Boundary

TOWN OF WHITESTOWN
SWQMP PART C



0 1,500 3,000
Feet

Legend

- Whitestown MS4 Boundary
- County Boundary
- Civil Township Boundaries
- Muncipal Boundaries
- Street Centerlines
- Stream Centerlines
- Parcel Boundaries - Nov. 2022

Figure 01
MS4 BOUNDARY
April 2024

Appendix B

Program Implementation Certification Checklist (State Form 51280)

RULE 13 STORM WATER QUALITY MANAGEMENT PLAN (SWQMP) – PART C: PROGRAM IMPLEMENTATION CERTIFICATION CHECKLIST

State Form 51280 (R4 / 4-08)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

For questions regarding this form, contact:
IDEM – Rule 13 Coordinator
100 North Senate Avenue, Rm 1255
MC 65-42
Indianapolis, IN 46204-2251
Phone: (317) 234-1601 or
(800) 451-6027, ext. 41601 (within Indiana)
Web Access:
http://www.in.gov/idem (Search for Stormwater)

NOTE:

- This form must be used for compliance with a general NPDES permit pursuant to 327 IAC 15-13.
- Submit this completed form with a complete "SWQMP – Part C: Program Implementation" in accordance with 327 IAC 15-13-8.
- Return this completed and signed form, and any required addenda by mail to the IDEM Rule 13 Coordinator at the address listed in the box on the upper-right.

PART A: SWQMP CERTIFICATION CHECKLIST

► **Please check the appropriate box when the requirements for each numbered item have been met, or check "NA" if an item is not applicable. For some of the numbered items, the requirements must be met and "not applicable" is not provided as an option.**

X	NA	ITEM
☑		**1.** SWQMP – Part C: Program Implementation submitted within 1 year from the submission of the NOI letter or the expiration date of the previous 5-year permit term.
☐	☑	**2.** Approved TMDL established for any MS4 discharge receiving water.
☐	☑	* If yes, the SWQMP – Part C includes appropriate modifications to meet the TMDL
☑		**3.** SWQMP – Part C identifies that the required ordinances or similar regulatory mechanisms will be developed, revised, modified, and/or implemented within two (2) years from the submission of the NOI letter
		4. The SWQMP – Part C contains:
☑		a) An initial evaluation of the storm water program for the MS4 area
☑		* The initial evaluation includes all known structural and nonstructural storm water BMPs
☑		b) A detailed program description for each MCM
☑		c) A timetable for program implementation milestones and SWQMP-Part B conclusions
☐	☑	d) A schedule for on-going receiving water characterization to evaluate BMP effectiveness and receiving water quality
☑		e) A narrative and mapped description of the MS4 area boundaries
☑		*The boundary description includes the specific section(s), or, as appropriate, street name(s)
☑		f) An estimate of the linear feet of MS4, segregated by conveyance type
☑		g) A narrative summary of allowed structural BMP types in new development and redevelopment
☑		h) A summary on structural BMP selection criteria and performance standards
☑		i) A narrative summary of the current and projected storm water budget
☑		j) A narrative summary of measurable goals for each MCM
☑		* Measurable goals relate to an environmental benefit
☑	☐	k) Appropriate, completed state-issued certification forms (only required for the initial 5-year permit term)
☑	☐	i) Public education and outreach MCM
☑	☐	ii) Public participation and involvement MCM
☑	☐	iii) Illicit discharge detection and elimination MCM
☑	☐	iv) Construction site storm water run-off control MCM
☐	☑	v) Postconstruction storm water run-off control MCM (not required until end of second year of permit coverage)
☑	☐	vi) Pollution prevention and good housekeeping for operations MCM
☑		l) A listing of programmatic indicators for each MCM. These indicators include:
☑		i) Number or percentage of citizens that have an awareness of storm water quality issues
☑		ii) Number and description of meetings, training sessions, and events conducted to involve citizens
☑		iii) Number or percentage of citizens that participate in storm water quality improvement projects
☑	☐	iv) Number and location of storm drains marked or cast
☑		v) Estimated or actual linear feet or percentage of MS4 conveyances mapped
☑		vi) Number and location of MS4 area outfalls mapped
☑		vii) Number and location of MS4 area outfalls screened for illicit discharges
☑		viii) Number and location of illicit discharges detected
☑	☐	ix) Number and location of illicit discharges eliminated
☐	☑	x) Number of, and estimated amount of material collected from, HHW collections
☐	☑	xi) Number and location of citizen drop-off centers for automotive fluids

PART A: SWQMP CERTIFICATION CHECKLIST

► **Please check the appropriate box when the requirements for each numbered item have been met, or check "NA" if an item is not applicable. For some of the numbered items, the requirements must be met and "not applicable" is not provided as an option.**

X	NA	ITEM
☐	☑	xii) Number or percentage of citizens that participate in HHW collections
☑	☐	xiii) Number of construction sites permitted for storm water quality
☑	☐	xiv) Number of construction sites inspected
☑	☐	xv) Number and type of enforcement actions taken against construction site operators
☑	☐	xvi) Number of public informational requests received related to construction sites
☑	☐	xvii) Number, type, and location of structural BMPs installed
☑	☐	xviii) Number, type, and location of structural BMPs inspected
☑	☐	xix) Number, type, and location of structural BMPs maintained, or improved, to function properly
☑		xx) Type and location of nonstructural BMPs utilized
☑	☐	xxi) Estimated acreage or square footage of open space preserved and mapped
☑	☐	xxii) Estimated acreage or square footage of mapped pervious and impervious surfaces
☑	☐	xxiii) Number and location of retail gasoline outlets or municipal, state, federal, or institutional refueling areas with installed BMPs
☑	☐	xxiv) Number and location of entity facilities that have containment for accidental releases
☑	☐	xxv) Estimated acreage or square footage and location where pesticides and fertilizers are applied by the regulated MS4 entity
☑	☐	xxvi) Estimated linear feet or percentage and location of unvegetated swales and ditches that have an appropriately-sized vegetated filter strip
☑	☐	xxvii) Estimated linear feet or percentage and location of MS4 conveyances cleaned or repaired
☑	☐	xxviii) Estimated linear feet or percentage and location of roadside shoulders and ditches stabilized
☑	☐	xxix) Number and location of storm water outfall areas remediated from scouring conditions
☑	☐	xxx) Number and location of de-icing salt and sand storage areas covered or otherwise improved to minimize storm water exposure
☑	☐	xxxi) Estimated amount, in tons, of salt and sand used for snow and ice control
☑	☐	xxxii) Estimated amount of material by weight collected from catch basin, trash rack, or other structural BMP cleaning
☑	☐	xxxiii) Estimated amount of material by weight collected from street sweeping
☑	☐	xxxiv) Number or percentage and location of canine parks sited at least 150 feet away from a surface water body
☑	☐	xxxv) Other
☑		**5.** SWQMP – Part C identifies, as a minimum, the following compliance schedule for implementation from the submission day of the NOI letter:
☑		a) "SWQMP – Part B: Baseline Characterization and Report" submitted within 180 days
☑		b) Public education and outreach program developed and implemented within 1 year
☑		c) Public involvement and participation program developed and implemented within 1 year
☑		d) Illicit discharge plan and ordinance developed and program implemented and all major outfall conveyances mapped within 1 year
☑		e) 25% of storm water outfall conveyance systems mapped each year after 1 year
☑		f) All known storm water outfalls with a diameter greater than 12 inches and open ditches mapped within 5 years
☑		g) Construction site plan and ordinance developed and program implemented within 1 year
☑		h) O&M plan developed and program implemented within 2 years
☑		i) Postconstruction plan and ordinance developed and program implemented within 2 years
☑		j) Operations pollution prevention program developed and implemented within 1 year
		6. For the Public Education and Outreach MCM:
☑		a) Plan identifies and schedules implementation of an informational program for constituents
☑		b) Plan identifies initial assessment of constituents
☑		c) Plan identifies specific target outreach or reduction goal percentages and timetables
☐	☑	d) For CSS communities, the current LTCP has been reviewed for ensuring that there is consistency with this MCM
		7. For the Public Participation/Involvement MCM:
☑		a) Plan identifies and schedules implementation of a public participation program
☑		b) Plan identifies initial assessment of constituents
☑		c) Plan identifies specific public involvement and reduction goal percentages and timetables
☐	☑	d) For CSS communities, the current LTCP has been reviewed for ensuring that there is consistency with this MCM
		8. For the Illicit Discharge Detection and Elimination MCM:
☑		a) Plan schedules development of a storm sewer system map

PART A: SWQMP CERTIFICATION CHECKLIST

► **Please check the appropriate box when the requirements for each numbered item have been met, or check "NA" if an item is not applicable. For some of the numbered items, the requirements must be met and "not applicable" is not provided as an option.**

X	NA	ITEM
☑		b) Plan schedules development and implementation of an ordinance or other regulatory mechanism that prohibits illicit discharges into the storm sewer system
☑		c) Plan identifies and schedules implementation of a plan to detect, address, and eliminate illicit discharges, including illegal dumping, into the storm sewer system
☑		i) This plan requires that problem areas be located via dry weather screening or other means
☑		ii) This plan requires that the source of the problem be located, the illicit connection be removed or corrected, and the actions taken be documented
☑		iii) This plan identifies all known active industrial facilities that discharge into a regulated MS4 conveyance
☑		d) Plan identifies and schedules implementation of an education program for public employees, businesses, and the general public about the hazards associated with illicit discharges and improper disposal of waste
☑		e) Plan establishes a recycling program for commonly dumped wastes
☑		f) Plan identifies specific outreach and reduction goal percentages and timetables
☐	☑	g) For CSS communities, the current CSOOP and LTCP have been reviewed for ensuring that there is consistency with this MCM
		9. For the Construction Site Storm Water Run-off Control MCM:
☑		a) Plan schedules development and implementation of an ordinance or other regulatory mechanism that controls polluted run-off from construction sites with a land disturbance of greater than or equal to one (1) acre
☑	☐	b) Plan established written agreement or process to allow local SWCD input
☑		c) Plan identifies and schedules implementation of a requirement to use appropriate BMPs on construction sites to control sediment and erosion and other waste at a site
☑		d) Plan identifies and schedules implementation of procedures for plan review, site inspection (including prioritization of sites) and enforcement of control measures to deter infractions
☑		e) Plan identifies procedures for plan review of projects operated by the MS4 operator
☑		f) Plan requires annual training for MS4 personnel responsible for implementing this MCM
☑		g) Plan identifies and schedules implementation of procedures for receipt and consideration of public inquiries, concerns, and information submitted regarding local construction activities
☑		h) Plan identifies specific outreach, compliance, and implementation goals and timetables
		10. For the Postconstruction Storm Water Run-off Control MCM:
☑		a) Plan schedules development and implementation of an ordinance or other regulatory mechanism that requires the implementation of planning procedures to promote improved water quality
☑		i) Plan procedures include the postconstruction requirements of 327 IAC 15-5-6.5(a)(8)
☑	☐	ii) Where appropriate, procedures include buffer strip and riparian zone preservation
☑	☐	iii) Where appropriate, procedures include filter strip creation
☑	☐	iv) Where appropriate, procedures include minimization of land disturbance and surface imperviousness
☑	☐	v) Where appropriate, procedures include maximization of open space
☑	☐	vi) Where appropriate, procedures include directing community physical growth away from sensitive areas and towards areas that can support it without compromising water quality
☑		b) Plan identifies the use of any storage, infiltration, filtering, and/or vegetative practice to reduce the impact of pollutants on storm water run-off to meet narrative water quality standards on receiving waters
☑		i) Plan prohibits using infiltration practices in well head protection areas
☑		ii) As site conditions allow, plan requires an appropriately-sized vegetated filter strip width along unvegetated swales/ditches
☑		iii) Plan prohibits discharges directly to sinkholes or fractured bedrock, without appropriate treatment to meet Indiana ground water quality standards
☑		iv) Plan requires any discharge from a storm water practice that is a Class V injection well to meet Indiana ground water quality standards
☑		v) Plan requires installation of appropriate BMPs to reduce metals and hydrocarbons at new retail gasoline outlets or municipal/institutional refueling areas
☑		vi) As site conditions allow, plan regulates the rate of storm water flow through the MS4 conveyances
☑		vii) Plan requires annual training for MS4 personnel responsible for implementing this MCM
☑		viii) Plan identifies and schedules implementation of a written O&M plan for structural BMPs.
☑		c) Plan identifies specific goals for reduction percentages and timetables
		11. For the Municipal Operations Pollution Prevention and Good Housekeeping MCM:
☑		a) Plan identifies and schedules implementation of a written program to ensure that existing municipal, State or Federal operations are performed in ways that will minimize contamination of storm water discharges
☑		i) Program addresses written documentation of maintenance activities, maintenance schedules, and long-term inspection procedures for BMPs to reduce floatables and other pollutants discharged from the storm sewer system
☑		ii) Program addresses controls for reducing or eliminating the discharge of pollutants from operational areas, including roads, parking lots, maintenance and storage yards, and waste transfer stations
☐	☑	iii) Program requires a minimum distance of 150 feet for canine parks to be sited away from a surface water body
☑		iv) Program addresses written procedures for the proper disposal of waste removed from MS4 conveyances and operational areas
☑		v) Program addresses written documentation to ensure that new flood management projects assess their impacts on water quality and examine existing projects for incorporation of additional water quality protection devices or practices
☑		vi) Program addresses documentation for MS4 area personnel to attend annual training regarding this MCM
☑		b) Plan identifies specific reduction goal percentages and timetables

PART A: SWQMP CERTIFICATION CHECKLIST

► **Please check the appropriate box when the requirements for each numbered item have been met, or check "NA" if an item is not applicable. For some of the numbered items, the requirements must be met and "not applicable" is not provided as an option.**

X	NA	ITEM
☐	☑	c) For CSS communities, the current CSOOP and LTCP have been reviewed for ensuring that there is consistency with this MCM
☑		**12.** "SWQMP – Part C: Program Implementation" has been certified by a Qualified Professional and the MS4 Operator.

PART B: CERTIFICATION AND SIGNATURE

► The Qualified Professional and MS4 Operator (referenced in Part A, Item #12 of this form) must sign the following certification statement: and provide the pertinent NPDES permit number:

"By signing this checklist, I hereby certify under penalty of law that this document was 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."

Name of Qualified Professional: Sri Venugopalan, P.E., Town Engineer *(typed or printed)*

NPDES Permit #: **INR040** 000

Signature of Qualified Professional: DocuSigned by: Sri Venugopalan B88301D58F834C5...

Date: 4/1/2024 *(mm/dd/year)*

Name of MS4 Operator: Dan Patterson, Town Council President *(typed or printed)*

Signature of MS4 Operator: DocuSigned by: D... 7EB4D6F02A8740A...

Date: 4/1/2024 *(mm/dd/year)*

Appendix C

Certification Forms (State Forms 51271, 51272, 51273, 51279, 51281)

RULE 13 –
Certification of the Plan To Detect, Address, and Eliminate Illicit Discharges for the Illicit Detection and Elimination MCM

State Form 51271 (R3 / 4-08)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

For questions regarding this form, contact:
IDEM – Rule 13 Coordinator
100 North Senate Avenue, Rm 1255
MC 65-42
Indianapolis, IN 46204-2251
Phone: (317) 234-1601 or
(800) 451-6027, ext. 41601 (within Indiana)
Web Access:
http://www.in.gov/idem (Search for Stormwater)

NOTE:

- This form must be used to comply with section 14(g) of 327 IAC 15-13.
- The implementation plan for this MCM must be implemented within three hundred sixty-five (365) days of the Notice of Intent (NOI) letter submittal date.
- Submit this completed form when the plan has been developed and implemented.
- Return this completed and signed form, and any required addenda by mail to the IDEM Rule 13 Coordinator at the address listed in the box on the upper-right.

CERTIFICATION AND SIGNATURE

The State of Indiana requires Dan Patterson, Town Council President (MS4 Operator) to develop and implement a plan to detect and eliminate illicit discharges, including illegal dumping, into the MS4. As part of this plan, outfall systems within the regulated MS4 area must be mapped throughout the five-year permit term. The plan must be implemented within three hundred sixty-five (365) days of the Notice of Intent (NOI) letter submittal date.

► The following statement, required by the State of Indiana, and the accompanying signature serve as the required certification that the program has been developed and implemented per the requirements of 327 IAC 15-13 and authorized under NPDES permit number INR040 000 .

"I certify, under penalty of law, that this plan and all required materials were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the above statement 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."

Authorized Signature[1]: DocuSigned by: 7EB4D0F92A0740A... **Date:** 4/1/2024 *(mm/dd/year)*

Title[2]: MS4 Operator *(typed or printed)*

[1] The "authorized signature" required above must be either that of the MS4 operator, or, if another entity is responsible for this MCM, the responsible individual.
[2] The "title" must either be "MS4 operator", or, if a responsible individual signs, the title of that individual and associated MS4 entity represented (for example, mayor of the City of Indianapolis).

RULE 13 –
Certification of the Development, Implementation, Management, and Enforcement of an Erosion and Sediment Control Program for the Construction Site Storm Water Run-Off Control MCM

State Form 51272 (R3 / 4-08)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

For questions regarding this form, contact:
IDEM – Rule 13 Coordinator
100 North Senate Avenue, Rm 1255
MC 65-42
Indianapolis, IN 46204-2251
Phone: (317) 234-1601 or
(800) 451-6027, ext. 41601 (within Indiana)
Web Access:
http://www.in.gov/idem (Search for Stormwater)

NOTE:

- This form must be used to comply with section 15(b) of 327 IAC 15-13.
- The program required under this MCM must be implemented within three hundred sixty-five (365) days of the Notice of Intent (NOI) letter submittal date.
- Submit this completed form when the program has been developed and implemented.
- Return this completed and signed form, and any required addenda by mail to the IDEM Rule 13 Coordinator at the address listed in the box on the upper-right.

CERTIFICATION AND SIGNATURE

The State of Indiana requires Dan Patterson, Town Council President (MS4 Operator) to develop, implement, manage, and enforce an erosion and sediment control program for construction activities that disturb one (1) or more acres of land within the regulated MS4 area. As part of this program, an ordinance or other regulatory mechanism must be created or modified, and be substantially similar to IDEM's construction storm water program (327 IAC 15-5). This program and associated legal authorities must be obtained and implemented within three hundred sixty-five (365) days of the Notice of Intent (NOI) letter submittal date.

► The following statement, required by the State of Indiana, and the accompanying signature serve as the required certification that the program has been developed and implemented per the requirements of 327 IAC 15-13 and authorized under NPDES permit number INR040 000.

"I certify, under penalty of law, that this program and all required documents and materials were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the above statement 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."

Authorized Signature[1]: DocuSigned by: D. Patterson 7EB4D6F92A8740A... **Date:** 4/1/2024 *(mm/dd/year)*

Title[2]: MS4 Operator
(typed or printed)

[1] The "authorized signature" required above must be either that of the MS4 operator, or, if another entity is responsible for this MCM, the responsible individual.
[2] The "title" must either be "MS4 operator", or, if a responsible individual signs, the title of that individual and associated MS4 entity represented (for example, mayor of the City of Indianapolis).

RULE 13 –
Certification of the Public Participation And Involvement Program for The Public Participation And Involvement MCM

State Form 51273 (R3 / 4-08)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

For questions regarding this form, contact:
IDEM – Rule 13 Coordinator
100 North Senate Avenue, Rm 1255
MC 65-42
Indianapolis, IN 46204-2251
Phone: (317) 234-1601 or
(800) 451-6027, ext. 41601 (within Indiana)
Web Access:
http://www.in.gov/idem (Search for Stormwater)

NOTE:

- This form must be used to comply with section 13(b) of 327 IAC 15-13.
- The public participation and involvement program must be implemented within three hundred sixty-five (365) days of the Notice of Intent (NOI) letter submittal date.
- Submit this completed form when the program has been developed and implemented.
- Return this completed and signed form, and any required addenda by mail to the IDEM Rule 13 Coordinator at the address listed in the box on the upper-right.

CERTIFICATION AND SIGNATURE

The State of Indiana requires Dan Patterson, Town Council President (MS4 Operator) to develop and implement a public participation and involvement program to allow opportunities for constituents to participate in the storm water management program development and implementation. This program must be implemented within three hundred sixty-five (365) days of the Notice of Intent (NOI) letter submittal date.

► The following statement, required by the State of Indiana, and the accompanying signature serve as the required certification that the program has been developed and implemented per the requirements of 327 IAC 15-13 and authorized under NPDES permit number INR040 000 .

"I certify, under penalty of law, that this program and all required materials were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the above statement 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."

Authorized Signature[1]: DocuSigned by: 7EB4D0F92A8740A... **Date:** 4/1/2024 *(mm/dd/year)*

Title[2]: MS4 Operator *(typed or printed)*

[1] The "authorized signature" required above must be either that of the MS4 operator, or, if another entity is responsible for this MCM, the responsible individual.
[2] The "title" must either be "MS4 operator", or, if a responsible individual signs, the title of that individual and associated MS4 entity represented (for example, mayor of the City of Indianapolis).

RULE 13 –
Certification of the Informational Program for the Public Education and Outreach MCM

State Form 51279 (R3 / 4-08)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

For questions regarding this form, contact:
IDEM – Rule 13 Coordinator
100 North Senate Avenue, Rm 1255
MC 65-42
Indianapolis, IN 46204-2251
Phone: (317) 234-1601 or
(800) 451-6027, ext. 41601 (within Indiana)
Web Access:
http://www.in.gov/idem (Search for Stormwater)

NOTE:

- This form must be used to comply with section 12(b) of 327 IAC 15-13.
- The storm water quality Public Education and Outreach program must be implemented within three hundred sixty-five (365) days of the Notice of Intent (NOI) letter submittal date.
- Submit this completed form when the education program has been developed and implemented.
- Return this completed and signed form, and any required addenda by mail to the IDEM Rule 13 Coordinator at the address listed in the box on the upper-right.

CERTIFICATION AND SIGNATURE

The State of Indiana requires Dan Patterson, Town Council President (MS4 Operator) to develop and implement an informational program with educational materials for informing constituents about the impacts of polluted storm water run-off on water quality, and ways they can minimize their impact on storm water quality. This program must be implemented within three hundred sixty-five (365) days of the Notice of Intent (NOI) letter submittal date.

The "authorized signature" required below must be either that of the MS4 operator, or, if another entity is responsible for this MCM, the responsible individual. The "title" must either be "MS4 operator", or, if a responsible individual signs, the title of that individual and associated MS4 entity represented (for example, mayor of the City of Indianapolis).

► The following statement, required by the State of Indiana, and the accompanying signature serve as the required certification that the program has been developed and implemented per the requirements of 327 IAC 15-13 and authorized under NPDES permit number INR040 000 .

"I certify, under penalty of law, that this program and all required materials were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the above statement 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."

Authorized Signature: DocuSigned by: D. Patterson 7EB4D6F92A8740A... **Date:** 4/1/2024 *(mm/dd/year)*

Title: MS4 Operator *(typed or printed)*

RULE 13 –

Certification of the Development and Implementation of a Program to Reduce Pollutant Run-Off from Municipal Operations for the Municipal Operations Pollution Prevention and Good Housekeeping MCM

State Form 51281 (R3 / 4-08)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

For questions regarding this form, contact:
IDEM – Rule 13 Coordinator
100 North Senate Avenue, Rm 1255
MC 65-42
Indianapolis, IN 46204-2251
Phone: (317) 234-1601 or
(800) 451-6027, ext. 41601 (within Indiana)
Web Access:
http://www.in.gov/idem (Search for Stormwater)

NOTE:

- This form must be used to comply with section 17(b) of 327 IAC 15-13.
- The program required under this MCM must be implemented within three hundred sixty-five (365) days of the Notice of Intent (NOI) letter submittal date.
- Submit this completed form when the program has been developed and implemented.
- Return this completed and signed form, and any required addenda by mail to the IDEM Rule 13 Coordinator at the address listed in the box on the upper-right.

CERTIFICATION AND SIGNATURE

The State of Indiana requires Dan Patterson, Town Council President (MS4 Operator) to develop and implement a program to ensure that existing municipal, State or Federal operations are performed in ways that do not cause or contribute to contamination of storm water discharges. Written documentation of preventative maintenance, control measures, pesticide use minimization, proper waste disposal, waste reduction, and municipal employee training must be incorporated into this program. This program must be implemented within three hundred sixty-five (365) days of the Notice of Intent (NOI) letter submittal date.

► The following statement, required by the State of Indiana, and the accompanying signature serve as the required certification that the program has been developed and implemented per the requirements of 327 IAC 15-13 and authorized under NPDES permit number INR040 000 .

"I certify, under penalty of law, that this program and all required materials were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the above statement 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."

Authorized Signature[1]: DocuSigned by: 7EB4D6F92A0740A... **Date:** 4/1/2024 *(mm/dd/year)*

Title[2]: MS4 Operator *(typed or printed)*

[1] The "authorized signature" required above must be either that of the MS4 operator, or, if another entity is responsible for this MCM, the responsible individual.

[2] The "title" must either be "MS4 operator", or, if a responsible individual signs, the title of that individual and associated MS4 entity represented (for example, mayor of the City of Indianapolis).

Appendix D

BMP Summary Table

Town of Whitestown SWQMP Part C: BMP Summary Table

BMP ID	BMP	Description	Measurable Goals and Program Indicators	Timeline	Responsible Party	Annual Progress and Updates
MCM #1 and #2: Public Education and Outreach, Public Participation and Involvement						
1a	Watershed Signage	Educational signage to identify watershed boundaries and major streams or rivers within the MS4 boundary.	Install signage in effective locations. Document number and locations of signage placed.	On-going	Town Engineer/Stormwater Coordinator	TBD
1b	Partnerships	Collaborations with partnering agencies to enhance educational opportunities, outreach, participation, and involvement.	Develop and continue to establish good relations with partnering agencies that may assist with Whitestown's SWQMP. This could include: - Boone County Soil and Water Conservation District - Boone County Solid Waste Management District - Upper White River Watershed Alliance	On-going	Town Engineer/Stormwater Coordinator	TBD
1c	Stormwater Educational Materials	Educational flyers, brochures, posters, infographics, guides, e-newsletters, manuals, etc.	Create educational materials that target all audiences within Whitestown. Develop three (3) brochures with stormwater themes targeted to the following groups: construction; residential; commercial and industrial. Display stormwater educational materials at a minimum of two (2) public events.	2024-2025	Town Engineer/Stormwater Coordinator	TBD
1d	Website	Website that houses Whitestown's Stormwater Management Program. At a minimum the website should include: - A location for the public to report stormwater quality issues. - Information and resources to educate visitors to the site. - MS4 stormwater ordinances. - MS4 Program information, including the SWQMP.	Create website and track traffic.	2024-2025	Town Engineer/Stormwater Coordinator	TBD

Town of Whitestown SWQMP Part C: BMP Summary Table

BMP ID	BMP	Description	Measurable Goals and Program Indicators	Timeline	Responsible Party	Annual Progress and Updates
MCM #1 and #2: Public Education and Outreach, Public Participation and Involvement						
1e	Storm Drain Marking/Artwork	Require storm drain markers for new storm inlet construction to warn citizens not to dispose of pollutants into waterways. Add markers to existing storm drains.	Document the number of storm drains marked and provide pre-cast markers for new storm drain installation.	On-going	Town Engineer/Stormwater Coordinator	TBD
1f	Waterway Cleanups	Volunteer-based trash, litter, and leaf pickups.	Document number of cleanups hosted. Partner with local agencies.	On-going	Town Engineer/Stormwater Coordinator	TBD
1g	Citizen Advisory Group	Group of approximately 3-7 members to advise the Public Works Department.	Form a Citizen Advisory Group and schedule meetings discuss prioritizing SWQMP activities and provide comments on program direction.	On-going	Town Engineer/Stormwater Coordinator	TBD
1h	Tree Planting	Tree plantings per development requirements.	Document number of trees planted.	On-going	Town Engineer/Stormwater Coordinator	TBD
1i	Local Media Opportunities	Provide stormwater related issues and resources to a broader audience through various media outlets (e.g., websites, local TV, newspaper etc.).	Track number of media related items and information each piece of media provides.	On-going	Town Engineer/Stormwater Coordinator	TBD
1j	Public Participation List	List of groups and individuals that are likely to have interest in Whitestown's SWQMP.	Develop an email contact list of groups and individuals and develop a means to track activities and involvement.	On-going	Town Engineer/Stormwater Coordinator	TBD
1k	Pollution Tip Hotline	Offer resources for citizens to report pollution concerns and offer guidance.	Create phone number to assist in pollution related questions and concerns. Track responses and any follow-up actions.	On-going	Town Engineer/Stormwater Coordinator	TBD
1l	Public Meetings	Present stormwater related information to the Town Council and advisory boards.	Annual updates. Provide meeting descriptions and number of meetings conducted.	On-going	Town Engineer/Stormwater Coordinator	TBD

BMP ID	BMP	Description	Measurable Goals and Program Indicators	Timeline	Responsible Party	Annual Progress and Updates
MCM #3: Illicit Discharge Detection and Elimination						
3a	IDDE Ordinance	Law or regulation set by authority (i.e., Whitestown) to eliminate illicit discharges.	Develop ordinance to effectively eliminate illicit discharges into Whitestown's MS4 area.	2024-2025	Town Engineer/Stormwater Coordinator	TBD
3b	Stormwater System Map	A complete mapping of Whitestown's storm sewer system within 5 years.	Develop a plan to map at least 25% of Whitestown's storm sewer system annually starting with second year of first permit term. Report length of MS4 conveyances and number of outfalls mapped.	Map 25% of the storm sewer system every year, starting in year two of the permit term.	Town Engineer/Stormwater Coordinator	TBD
3c	IDDE Plan for Non-Stormwater Discharges	Illicit discharge and elimination plan for non-stormwater discharges (e.g., sanitary wastewater, wash water from home repair or automotive equipment, chlorinated water from pools, etc.)	Develop an IDDE Plan to detect and eliminate non-stormwater discharges. Report number of illicit discharges detected and eliminated.	On-going	Town Engineer/Stormwater Coordinator and Stormwater Inspector	TBD
3d	High Priority IDDE Mapping	Detailed map of high priority areas for the IDDE program, including active industrial facilities	Identify high priority illicit discharge areas that require screening or investigation.	On-going	Town Engineer/Stormwater Coordinator and Stormwater Inspector	TBD
3e	Public Program to Report Illicit Discharging and Dumping	Program that allows the public to report any illicit discharging and dumping.	Develop public program plan and document location and number of illicit discharges detected and eliminated.	On-going	Town Engineer/Stormwater Coordinator and Stormwater Inspector	TBD
3f	Leaking Dumpster Mitigation Program	Program that identifies leaking dumpsters and how to reduce them.	Develop program and document meetings on an annual basis. Also, identify leaking dumpsters within the Town.	On-going	Town Engineer/Stormwater Coordinator and Stormwater Inspector	TBD
3g	Dry Weather Outfall Screening	Detailed examination of known stormwater outfalls to document any illicit discharges.	Perform dry-weather screening of all known stormwater outfalls. Report number of screenings for documentation purposes.	Screen at least 20% of known outfalls each year, starting in year two of the permit term.	Town Engineer/Stormwater Coordinator and Stormwater Inspector	TBD

BMP ID	BMP	Description	Measurable Goals and Program Indicators	Timeline	Responsible Party	Annual Progress and Updates
MCM #3: Illicit Discharge Detection and Elimination						
3h	IDDE Training Program for Public Employees	Training program that informs public employees on the hazards associated with illicit discharges.	Providing an annual training program to inform public employees of the hazards associated with illegal discharges. Document number of trainings performed each year.	On-going	Town Engineer/Stormwater Coordinator and Stormwater Inspector	TBD
3i	IDDE training program for all employees that investigate illicit discharges or connections	Training program for all employees that investigate illicit discharges or connections.	Providing annual training for all employees who investigate illicit discharges or illicit connections. Document number of trainings performed each year.	On-going	Town Engineer/Stormwater Coordinator and Stormwater Inspector	TBD
3j	Recycling program for commonly dumped wastes	Recycling program for citizens of the Town that allows for recycling of commonly dumped wastes.	Develop recycling program for citizens of Whitestown. Document and estimate amount of wastes recycled and citizens that utilize the program annually.	On-going	Town Engineer/Stormwater Coordinator and Stormwater Inspector	TBD

BMP ID	BMP	Description	Measurable Goals and Program Indicators	Timeline	Responsible Party	Annual Progress and Updates
MCM #4: Construction Site Stormwater Run-off Control						
4a	Construction Site Erosion and Sediment Control and Stormwater Quality Ordinance	Law or regulation set by Town of Whitestown to address construction site runoff.	Develop construction site erosion and sediment control ordinance and review language periodically for any updates.	2024-2025	Town Engineer/Stormwater Coordinator	TBD
4b	Stormwater Technical Standards	Technical manual for erosion and sediment control and stormwater quality BMPs in compliance with the IDEM CSGP.	Develop and adopt manual. Review manual language periodically for needed updates.	2024-2025	Town Engineer/Stormwater Coordinator	TBD

Town of Whitestown SWQMP Part C: BMP Summary Table

BMP ID	BMP	Description	Measurable Goals and Program Indicators	Timeline	Responsible Party	Annual Progress and Updates
MCM #4: Construction Site Stormwater Run-off Control						
4c	Citizen Complaint Process	Program that allows the public to report complaints about construction activity-related stormwater runoff.	Develop program and document number of complaints, public inquiries and concerns, and resulting actions.	On-going	Town Engineer/Stormwater Coordinator	TBD
4d	Contractor Education	Trainings and educational opportunities to construction professionals.	Create informative trainings and educational opportunities and document the number of trainings performed annually.	On-going	Town Engineer/Stormwater Coordinator	TBD
4e	Erosion and Sediment Control Plan Reviews	Detailed reviews of erosion and sediment control project plans.	Establish an erosion and sediment control review process and document number of plans reviewed.	On-going	Town Engineer/Stormwater Coordinator	TBD
4f	Construction Site Inspections	Thorough and detailed inspections of construction site stormwater runoff controls.	Conduct site inspections and track the number of violations, enforcements, and frequency of site inspections.	On-going	Town Engineer/Stormwater Coordinator	TBD
4g	Annual Training for MS4 Staff	Training program that informs MS4 staff on construction site runoff controls.	Provide annual training to MS4 staff and document trainings performed.	On-going	Town Engineer/Stormwater Coordinator	TBD
4h	Construction Site Sediment and Erosion Control Database	Comprehensive database that houses and tracks the status of construction site stormwater activities with Whitestown.	Establish comprehensive database to document the status of Whitestown's construction site stormwater activities. Track number of violations, complaints, and public requests.	On-going	Town Engineer/Stormwater Coordinator	TBD

Town of Whitestown SWQMP Part C: BMP Summary Table

BMP ID	BMP	Description	Measurable Goals and Program Indicators	Timeline	Responsible Party	Annual Progress and Updates
MCM #5 Post-Construction Stormwater Run-off Control						
5a	Post-Construction Stormwater Management Ordinance	Law or regulation set by Town of Whitestown to address post-construction stormwater management.	Develop post-construction stormwater management ordinance and review language periodically for any updates.	2024-2025	Town Engineer/Stormwater Coordinator	TBD
5b	Stormwater Technical Standards	Technical manual for post-construction stormwater quality BMPs.	Develop and adopt manual. Review manual language periodically for needed updates.	2024-2025	Town Engineer/Stormwater Coordinator	TBD
5c	Construction Site Inspections for Post-Construction BMPs	Assessing the effectiveness of implemented measures designed to control stormwater runoff and minimize environmental impacts after construction activities have been completed.	Develop comprehensive construction site inspections program for post-construction BMPs. Document number of sites and BMPs inspected and installed. Report any violations.	On-going	Town Engineer/Stormwater Coordinator	TBD
5d	Operations and Maintenance (O & M) Manual	Comprehensive document that outlines procedures and protocols for managing and maintaining stormwater management infrastructure.	Develop comprehensive O & M manual. Track maintenance and operations activities, trainings, and inspections	On-going	Town Engineer/Stormwater Coordinator	TBD
5e	Updated Storm Sewer System Map with Post-Construction BMP Locations	Up-to-date storm sewer map that includes any post-construction BMPs (e.g., bioretention, constructed wetland, porous pavement, ponds etc.).	In conjunction with BMP 3b, storm sewer mapping in MCM #3, update storm sewer system to include post-construction BMPs. Document number and type of BMPs installed.	On-going	Town Engineer/Stormwater Coordinator	TBD
5f	Post-construction stormwater management plan reviews	Involves the assessment and evaluation of plans and designs for managing stormwater runoff after construction activities have been completed.	Develop procedure for thorough plan reviews and track number of management plans reviewed.	On-going	Town Engineer/Stormwater Coordinator	TBD
5g	Annual Training for MS4 Staff	Training program that informs MS4 staff on the design, construction, maintenance and inspection of post-construction stormwater quality BMPs.	Provide annual training to MS4 staff and document trainings performed.	On-going	Town Engineer/Stormwater Coordinator	TBD

Town of Whitestown SWQMP Part C: BMP Summary Table

BMP ID	BMP	Description	Measurable Goals and Program Indicators	Timeline	Responsible Party	Annual Progress and Updates
MCM #6: Municipal Operations Pollution Prevention and Good Housekeeping						
6a	O & M program for municipal operations	Thorough operations and maintenance program that also includes inventory and inspections documentation of municipal facilities.	Develop comprehensive O & M program and inventory and inspections log for municipal facilities. Track inventory and number of inspections.	On-going	Town Engineer/Stormwater Coordinator	TBD
6b	Inventory of MS4-owned and/or operated facilities	Documentation of supplies and materials located in Whitestown owned and operated facilities.	Conduct detailed inventory for each Whitestown owned or operated facility. Document and list items found in facilities.	2024-2025	Town Engineer/Stormwater Coordinator	TBD
6c	Equipment is stored above spill pans.	Ensure equipment and machinery spill spans are stored above to avoid potential pollution concerns.	Develop habit and procedure of storing spill pans above equipment.	On-going	Town Engineer/Stormwater Coordinator	TBD
6d	SWPPP for each MS4-owned and/or operated facility	Stormwater pollution prevention plan for each MS4-owned and/or operated facility that use, store, or discharge pollutants that may degrade water quality.	Develop SWPPPs for each MS4-owned and/or operated facility. Track number of SWPPPs developed.	2024-2025	Town Engineer/Stormwater Coordinator	TBD
6e	O & M Plan for each MS4-owned stormwater infrastructure	Informative operation and maintenance plan for each Whitestown-owned and -operated stormwater infrastructure.	Develop O & M plan for each Whitestown-owned stormwater infrastructure. Document that conveyance system maintenance is being completed.	2024-2025	Town Engineer/Stormwater Coordinator	TBD
6f	Stormwater pollution prevention training materials.	Multiple types of training materials (i.e., online courses and webinars, training manuals and videos, field demonstrations and workshops etc.) for applicable staff.	Develop, document, and provide training materials for applicable staff.	On-going	Town Engineer/Stormwater Coordinator	TBD
6g	Pollution prevention signage over shop and washout pit drains.	Noticeable signage educating pollution prevention above shop and washout drains.	Install and document pollution prevention signage.	On-going	Town Engineer/Stormwater Coordinator	TBD
6h	Municipal street sweeping and storm sewer cleaning.	Performing municipal street sweeping and storm sewer cleanings to reduce particulates and debris in conveyances.	Develop street sweeping and storm sewer cleaning program and document number of sweepings and sewer cleanings. Estimate amount of debris collected by sweeping.	On-going	Town Engineer/Stormwater Coordinator	TBD
6i	Proper Management and Storage of Salt piles and other stored materials (mulch, gravel).	Covered salt, mulch, sand or gravel piles reduce risk of pollution mobilization.	Ensure salt piles and other stored materials are covered. Document amount in tons, of salt and sand used for snow and ice.	On-going	Town Engineer/Stormwater Coordinator	TBD
6j	Proper disposal of unused and outdated chemicals.	Proper disposal of excess, unused, and/or outdated chemicals to reduce environmental impacts.	Develop and document proper chemical disposal program.	On-going	Town Engineer/Stormwater Coordinator	TBD
6k	Soil stabilization with ditch and MS4 maintenance.	Stabilized soils reduce the magnitude of erosion and pollutant leaching.	Ensure soils are stabilized with any soil disturbance activity.	On-going	Town Engineer/Stormwater Coordinator	TBD