

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
ANNUAL FACILITY INSPECTION REPORT
April 1, 2019
N.P.D.E.S. PHASE II PERMIT FOR STORMWATER DISCHARGES
from
MUNICIPAL SEPARATE STORM SEWER SYSTEMS

Champaign County, Illinois
NPDES Permit No. ILR40 00256

REPORTING PERIOD:

Year 5 is April 1, 2018 to March 31, 2019

MS4 OPERATOR INFORMATION:

County of Champaign, Illinois
Brookens Administrative Center
1776 East Washington Street
Urbana IL 61802
Contact person: John Hall, Director of Planning and Zoning

GOVERNMENTAL ENTITY IN WHICH MS4 IS LOCATED:

Champaign County, Illinois

INTRODUCTION

Champaign County was identified as a small Municipal Separate Storm Sewer System (MS4) in March 2003 as part of the expanded Phase II of the National Pollutant Discharge Elimination System (NPDES) Storm Water Program.

Mandated by Congress under the Clean Water Act, the NPDES Storm Water Program is a comprehensive two-phased national program for addressing the non-agricultural sources of storm water discharges which adversely affect the quality of our nation's waters. The Clean Water Act prohibits anybody from discharging pollutants through a point source into a water of the United States unless they have an NPDES permit. A point source is any discernible, confined and discrete conveyance, such as a pipe, ditch, channel, or container.

Phase II required small MS4s in urbanized areas to obtain NPDES permits and implement six minimum control measures by using selected best management practices (BMPs).

Urbanized areas are delineated by the Census Bureau and are defined as a central place or places and the adjacent densely settled surrounding area, that together have a residential population of at least 50,000 people and an overall population density of at least 500 people per square mile. Only about 10 square miles (about 1%) of the approximately 1,000 square miles that make up Champaign County are included in the urbanized area (see the attached map).

Champaign County is not a municipality but the regulatory definition of MS4 also includes any County owned roads with a drainage system. County Highway roadside ditches are currently the only point source discharges in the urbanized area maintained by Champaign County.

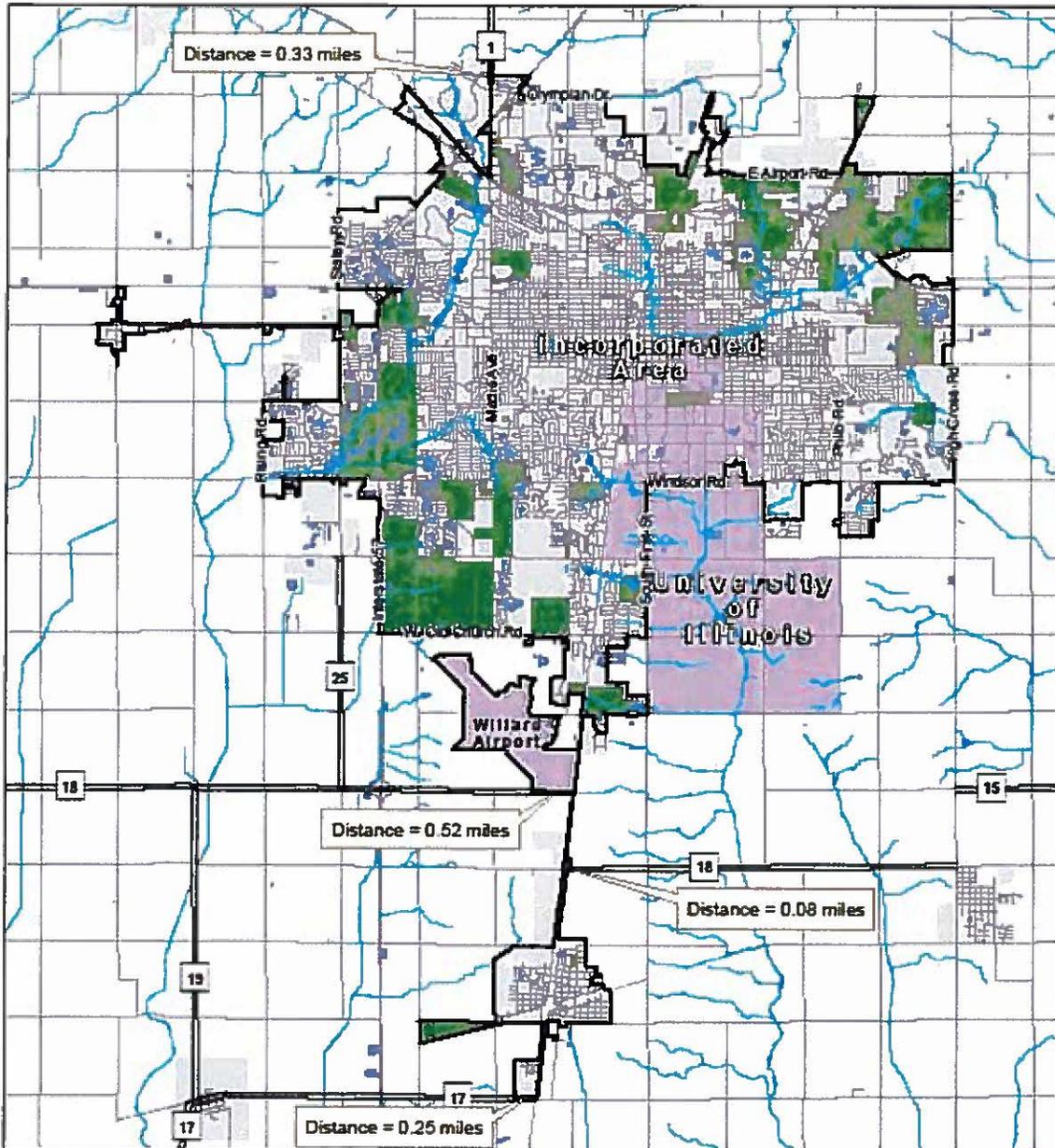
Champaign County must maintain compliance with the MS4 requirements of the NPDES Storm Water Program. MS4 compliance requires that an updated Notice of Intent (NOI) be on file with the Illinois Environmental Protection Agency (IEPA) at all times. The NOI must explain which best management practices Champaign County will use to implement the six required minimum control measures. The six required minimum control measures are the following:

- **Public Education and Outreach.** Selected BMPs should educate the public on the various ways to reduce storm water pollution.
- **Public Participation and Involvement.** Selected BMPs should involve the public in developing, implementing, and reviewing MS4 best management practices.
- **Illicit Discharge Detection and Elimination.** Selected BMPs should identify improper discharges and spills to drainage systems and include enforcement mechanisms.
- **Construction Site Runoff Control.** Selected BMPs should enable construction site operators (builders and MS4s) to manage storm water runoff so as to reduce pollution.
- **Post-Construction Runoff Control.** Selected BMPs should enable property owners (developers and MS4s) to manage storm water runoff so as to reduce pollution from a site after construction activities have ended.
- **Pollution Prevention and Good Housekeeping.** Selected BMPs should enable the MS4 entity to minimize pollution from its own property and facilities by reducing pollution from streets, parking lots, open spaces and storage and vehicle maintenance areas and is discharged into local waterways or that results poor maintenance of storm sewer systems.

Champaign County has worked in cooperation with the other MS4s in the Champaign County Urbanized Area to share costs and expertise and common efforts to develop a regional consistency towards fulfilling the NPDES Phase II MS4 requirements.

Champaign County has sought to develop a plan suited to the MS4 requirements but also tailored to the abilities of an Illinois county. The NPDES Phase II MS4 requirements were included as a formal County land use policy in the Champaign County Land Resource Management Plan that was adopted in April 2010.

Champaign County filed a third NOI with IEPA to include the five-year period of April 1, 2014 to March 31, 2019. This document serves as the annual report for Year 5 activities.



Champaign County MS4 Jurisdiction

Urbanized Area based on the 2010 Census

This map shows the defined MS4 jurisdiction including 10.4 square miles of unincorporated County. Location and size of County stormwater facilities are noted (Ex: Distance = 0.25 miles).

Corporate Limits updated 5/5/17

MS4 Related Boundaries

-  Urbanized Area 2010
-  Streets
-  County MS4 Area 2012

Map Created
7/17/14







0 1.5 3 Miles

B.M.P. MONITORING AND ASSESSMENT PROGRAM

Effective 3/1/16, each Small MS4 is required to implement a monitoring and assessment program to evaluate the effectiveness of selected best management practices (BMPs) at reducing pollutant loadings and water quality impacts. The monitoring and assessment program may include evaluation of BMPs and/or direct water quality monitoring, at the discretion of each Small MS4, but the program should be tailored to the size and characteristics of the Small MS4 and the relevant watershed.

Outfall/ Discharge Monitoring and Physical Stream Assessment

The Champaign County Unincorporated MS4 will collaborate with the municipal MS4 jurisdictions in Champaign County in developing a monitoring and assessment program for the Champaign County Unincorporated MS4 that matches as closely as possible the municipal MS4 monitoring and assessment programs. Municipal MS4 agencies in the Champaign-Urbana Urbanized Area rely on a combination of outfall/ discharge monitoring and assessment of physical/habitat characteristics such as stream bank erosion caused by storm water discharges.

Methods and practices used for the Champaign County Unincorporated MS4 Monitoring and Assessment program will be based on municipal MS4 practices and methods as much as possible and will be supplemented as necessary by practices described in the following documents:

- *Illicit Discharge Detection and Elimination A Guidance Manual for Program Development and Technical Assessments*, published by the Center for Watershed Protection and Robert Pitt, University of Alabama, October 2004.
- *UNIFIED STREAM ASSESSMENT: A USER'S MANUAL Version 2.0, Urban Subwatershed Restoration Manual No. 10*, published by the Center for Watershed Protection, February 2005.
- *Stream Visual Assessment Protocol*, published by the United States Department of Agriculture Natural Resources Conservation Service National Water and Climate Center, Technical Note 99-1, December 1998.

Justification

The unincorporated Champaign County MS4 Area is highly interconnected with the municipal MS4 Area and using the same (or nearly the same) monitoring and assessment (M&A) methods to evaluate the effectiveness of storm water best management practices (BMPs) in the unincorporated MS4 Area may help minimize the overall costs of implementing and conducting the M&A program in the unincorporated MS4 Area; and should eliminate confusion that could otherwise result if a different approach were used than is used in the municipal MS4s; and may provide a more accurate overall understanding of the effectiveness of BMPS for the entire Champaign County urbanized area.

The *Unified Stream Assessment (USA)* is a continuous stream walk method that systematically evaluates stream conditions and that can be applied to both rural and urban streams. Staff can perform the USA with relatively minimal training. USA protocols should be adapted to meet agency needs and skills and to address regional stream conditions.

The USA includes specific protocols and model forms for documenting the assessments of Storm Water Outfalls and Severe Bank Erosion. The USA assessment for Storm Water Outfalls is very similar to the

Outfall Reconnaissance Inventory (ORI) used in *Illicit Discharge Detection and Elimination*. Including ORI methods in the USA Storm Water Outfall assessments can improve the overall assessment of storm water outfalls and discharges.

Severe bank erosion caused by storm water discharges can be accurately identified only after identifying the average erosion condition for that particular stream reach. The USA includes a Reach Level Assessment to characterize overall conditions within each reach of the stream. Guidance is included in the USA assessment of Severe Bank Erosion to help identify locations with more severe erosion. The *Stream Visual Assessment Protocol* (SVAP) also provides useful additional guidance for making the assessment of Severe Bank Erosion.

The USA protocols assume identification of uniform stream reaches. Stream reaches will be identified and mapped prior to actual field investigations. During the field investigation the various stream reaches will be identified using GIS locators. Standard worksheets will be completed for each reach for the entire length of stream in the MS4 Area. Streams (miles) to be assessed are as follows:

- Vermilion Watershed:
 - Saline Branch Drainage Ditch (3.2 miles)

- Upper Kaskaskia Watershed:
 - Copper Slough (1.6 miles)
 - Phinney Branch (1.1 miles)

- Upper Embarras Watershed
 - an unnamed tributary near Lake Park (.6 mile).

Gaining access to streams in the unincorporated MS4 Area will be a significant challenge because all of the streams are on private property.

Annual monitoring is planned to occur during August through October. Annual monitoring will note the conditions for the current year and identify changes from previous years. The results will be reported in the Annual Update.

Follow up investigations may be necessary based on observed changes.

Outfalls were identified in Year 3 per the IEPA 4/22/16 Acceptance of Response to Noncompliance Advisory Letter. Champaign County staff participated in City of Urbana staff monitoring of the Saline Branch in Year 4. Champaign County will initiate its own monitoring of relevant portions of the Saline Branch in 2018.

SELF-ASSESSMENT OF PERMIT COMPLIANCE

Tables 1 through 6 summarize Champaign County Unincorporated MS4 Storm Water Program activities from April 1, 2018, through March 31, 2019. Table 7 identifies BMPs that were started and still in progress and Table 8 identifies BMPs still pending.

Table 1: Public Education and Outreach Activities 4/1/18 – 3/3/19

BMP ID	Activities
A.1.1. - Flyers and information sheets at permit counter.	Handouts are displayed and available at Planning and Zoning permit counter.
A.2.1. - Inform business groups about MS4, NPDES, and BMPs upon request.	No requests for presentations about MS4, NPDES and BMPs were made from business groups.
A.2.2. - Inform developer, contractor, engineering, and architecture groups about MS4, NPDES, and BMPs.	No presentations were made.
A.2.4. - Inform environmental, conservation, and citizen groups about MS4, NPDES, and BMPs upon request.	No requests for presentations about MS4, NPDES and BMPs were made from environmental, conservation, and citizen groups.
A.6.1- Educational and informational material on web page.	Information about the Champaign County MS4 program and storm water management in general was updated on the Champaign County website under the Department of Planning and Zoning and on the Champaign County Stormwater Partnership website (www.ccstormwater.org).

Table 2: Public Participation and Involvement Activities 4/1/18 – 3/3/19

BMP ID	Activities
B.4.1 – Comply with applicable state and local public notice requirements.	All public hearings and meetings are noticed as required by state law and local ordinances and policies.
B.6.1. - Intergovernmental Storm Water Management group meetings.	During the program year County staff attended and participated in meetings with other MS4 jurisdictions on June 12, 2018; August 21, 2018; September 25, 2018; December 11, 2018; March 12, 2019.
B.6.2- Prepare a storm water survey that can be used to capture public comment on the MS4 Storm Water Program	The Champaign County MS4 Area Storm Water Survey is on the Champaign County website at https://docs.google.com/forms/d/e/1FAIpQLSd5hbmASGpKgPWU3kr8gmQJ-w0ZorXoCFWUddjbMvI8P3Mg/viewform?c=0&w=1
B.6.3- Hold an Annual Public Storm Water Meeting at the Champaign County Board Environment and Land Use Committee (ELUC) Meeting to receive public comments regarding the Champaign County Unincorporated MS4 Area Storm Water Program.	The Annual Public Storm Water Meeting at the Champaign County Board Environment and Land Use Committee (ELUC) Meeting was held on May 10, 2018.
B.6.4- Identify Environmental Justice areas within the Champaign County Unincorporated MS4 Area and include appropriate public participation.	In April 2017 a random sample survey of the EJ population was conducted using the Champaign County Unincorporated MS4 Area Storm Water Survey with a postage-paid reply envelope. The results of that survey was reviewed at the May 10, 2018, meeting of the Champaign County Board’s Environment and Land Use Committee (ELUC) and reported in the Annual Facility Inspection Report for Year 5.
B.7.1. - Include NPDES MS4 requirements in the County’s Land Resource Management Plan.	Funding for MS4 projects were included in the Work Plan for 2019.

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APRIL 1, 2019

Table 3: Illicit Discharge Detection and Elimination Activities 4/1/18 – 3/3/19

BMP ID	Activities
C.1.1- Map drainage system outfalls into streams and rivers	The storm sewer system map for the unincorporated Champaign County MS4 Area was mapped to 100% completion including the storm sewer system map for County Highways outside the MS4 Area. An excerpt is attached. The map can be viewed at the following: http://ccgisc.maps.arcgis.com/home/webmap/viewer.html?webmap=04d6a107dd50435c8fc65945e1358f6e
C.3.1. - Establish citizen complaint phone line for illegal dumping and illicit discharges into drainage systems.	The Department of Planning and Zoning phone line is maintained for citizen complaints regarding illegal dumping and illicit discharges.
C.3.2. - Establish citizen complaint phone line for non-complying and/or non-functioning private sewage treatment systems	The Department of Planning and Zoning phone line is maintained for citizen complaints regarding non-complying and / or non-functioning private sewage treatment systems.
C.6.1. - Annual Report to the Environment and Land Use Committee (of the Champaign County Board) and the Champaign County Board.	The MS4 Annual Report was prepared and presented to the Environment and Land Use Committee (ELUC) on May 10, 2018, and approved by the Champaign County Board on May 24, 2018.

Table 4: Construction Site Runoff Control Activities 4/1/18 – 3/3/19

BMP ID	Activities
D.1.1 - Soil erosion and sediment control regulations.	Soil erosion and sediment control regulations in the Champaign County Storm Water Management and Erosion Control Ordinance were enforced for all Land Disturbance Erosion Control (LDEC) Permits.
D.2.1- Erosion and sediment control BMPs	All Land Disturbance Erosion (LDEC) Permits were reviewed for use of appropriate BMP's
D.4.1. - Develop processes and procedures to evaluate proposed construction site runoff mechanisms.	Procedures to evaluate proposed construction site runoff mechanisms are refined in the review of LDEC Permits.
D.4.2. - Training class or workshop for evaluating and inspecting construction site runoff control mechanisms.	No training occurred in Year 5.
D.6.1 - Develop procedures and processes to inspect construction sites for compliance with construction site runoff control mechanisms.	Procedures were refined as more experience was gained in the review of LDEC Permits.

Table 5: Post-Construction Runoff Control Activities 4/1/18 – 3/3/19

BMP ID	Activities
E.3.3 Annual training in green infrastructure and/or low impact design techniques for all MS4 employees and contractors who manage or are directly involved in the routine maintenance, repair, or replacement of public exterior surfaces.	No training occurred in Year 5.
E.4.1. - Training class or workshop for evaluating and inspecting construction site runoff control mechanisms (post-construction).	No training occurred in Year 5.

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Table 6: Pollution Prevention / Good Housekeeping Activities 4/1/18 – 3/3/19

BMP ID	Activities
F.1.2 Spill Response Protocol	<p>The Champaign County Emergency Management Agency (CCEMA) conducted or participated in the following training in the program year:</p> <p>February 7, 2018: Both the Coordinator and the Assistant Coordinator attended pipeline training.</p> <p>April 17, 2018: Assistant Coordinator attended the Midwest Hazardous Materials Conference.</p> <p>September 2018: Coordinator attended Illinois Emergency Management Agency Summit in Springfield IL including sessions on the Hazardous Materials Emergency Preparedness Grant and Essentials of Commodity Flow Studies.</p> <p>September 12, 2018: Attended Peoples Gas table-top exercise involving a gas well leak.</p> <p>October 25, 2018: Champaign County Emergency Management Agency hosted the TEEX Crisis Leadership & Decision-Making for Elected Officials based on the 2001 Baltimore Train Tunnel Fire.</p> <p>March 2019: The Local Emergency Planning Committee featured the Dangerous Goods Officer from the Canadian National Railroad.</p>
F.1.4- Hazardous material and storage management training.	All relevant hazardous materials storage and handling reviewed with Facilities Director.

Table 7: BMPs in Progress

BMP ID	Status
C.2.1. - Prohibit illegal dumping and illicit discharges into drainage system.	Preliminary Ordinance language has been drafted regarding illegal dumping and illicit discharges into drainage systems but was not adopted in the program year.
C.3.3. - Create a database of existing private sewage treatment systems and develop management plan to bring non-compliant systems into compliance.	Records of private sewage treatment systems obtained from Public Health Department. GIS database is under development.
D.3.1. - Prohibit illegal dumping and illicit discharges into storm drainage system from construction activities.	<p>Preliminary Ordinance language has been drafted regarding illegal dumping and illicit discharges into drainage systems but has not yet been adopted.</p> <p>The Storm Water Management and Erosion Control Ordinance includes a prohibition of illegal dumping and illicit discharges from construction activities.</p>
E.3.1. - Develop procedures to insure that storm water management facilities are maintained to function as designed (post-construction).	The Storm Water Management and Erosion Control Ordinance requires ongoing maintenance of storm water management facilities.
E.5.1. - Develop procedures and processes to inspect construction sites for compliance with post-construction runoff control mechanisms.	The Storm Water Management and Erosion Control Ordinance requires "as-built" documentation.

Table 8: BMPs Pending

BMP ID	Explanation of Pending Status
E.1.1 Implement a public education program about the benefits of green infrastructure and green housekeeping in minimizing the volume of storm water runoff and pollutants from existing privately owned developed property.	The BMP was not completed in the program year.
E.1.2- Implement a public education program about the water quality impacts of overuse of fertilizers and pesticides in non-agricultural uses.	The BMP was not completed in the program year.
E.2.1. - Require annual inspections of publicly owned storm water management facilities (post-construction).	Expected to be included in the SWPPP to be developed in 2020.
F.1.1. - Spill prevention protocol.	Undetermined due to lack of coordination within County Departments. Expected to be established with the development of the SWPPP.
F.2.1. - Storm water Pollution Prevention Plan (SWPPP) for County owned facilities.	Milestones changed. SWPPP expected to be completed in Year 2020.
F.3.1. - Investigate feasibility and effectiveness of integrated, bio-detention and filtering for County campus redesign.	Issue was not discussed by the County Board.

CHANGES TO BEST MANAGEMENT PRACTICES

Attachment A reviews changes that were made in the program year and that are proposed for the next Program Year 3/31/19- 4/1/20. These changes are consistent with the Notice of Intent (NOI) to be submitted in May 2019.

STATUS OF COMPLIANCE

Attachment B reviews the status of compliance for all BMPs.

INFORMATION COLLECTED AND ANALYZED IN YEAR 5

Attachment C summarizes that there were no observations or reports made or received during the reporting year.

STORMWATER PROGRAM ACTIVITIES PROPOSED FOR PROGRAM YEAR APRIL 1, 2019–MARCH 31, 2020

The activities proposed for Program Year April 1, 2019– March 31, 2020 are summarized in Attachment D.

RELIANCE ON OTHER GOVERNMENTAL ENTITY

Champaign County does and will continue to participate in and share resources with the Cooperative MS4 Group; however, it does not rely on another governmental entity to satisfy its permit obligations.

YEAR 5 CONSTRUCTION PROJECTS

Champaign County construction projects may be authorized under the Facilities Department or the Highway Department.

There was no land disturbance due to construction authorized under the Facilities Department in program year 4/1/18- 3/31/19.

Projects and details of Highway Construction Projects are provided in Table 9.

ATTACHMENTS

- A Changes to Best Management Practices
- B Status of Compliance with N.P.D.E.S. Permit Conditions for Year 5
- C Information Collected for Year 5
- D Proposed NPDES Permit Activities for Program Year April 1, 2019 - March 31, 2020
- E Champaign County Unincorporated MS4 Area Storm Sewer System (Web) Map (excerpts from 100% complete Champaign County MS4 Area Storm Sewer System map) March 31, 2019
- F Champaign County Unincorporated MS4 Area Storm Water Survey Results April 2018

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APRIL 1, 2019

Table 9: Highway Construction Projects¹ from April 1, 2017 through March 31, 2018

Section Number	Road District	Project Type	Area of Disturbance	Status
15-00028-00-BR	Champaign County C.H.16	Bridge Replacement	<1 acre	Completed in 2018
15-21440-00-SP	Raymond Twp.	Railroad Crossing	<1 acre	Expected completion unknown (in progress)
16-00443-00-RS	Champaign County	C.I.R. Foamed Asphalt	<1 acre	Completed in 2018
16-00444-00-SP	Champaign County	Guardrail Replacement	>1 acre	Expected completion in 2019 (start in June 2019)
17-00445-00-RS	Champaign County C.H. 13	H.I.R.	<1 acre	Completed in 2018
17-00446-00-SW	Champaign County	Sidewalk install	<1 Acre	Completed in 2018
17-00041-00-BR 17-00042-00-BR	Champaign County	Bridge Replacement	<1 acre	Completed in 2018
17-16043-00-BR	Newcomb Twp.	Bridge Replacement	<1 acre	Completed in 2018
18-00447-00-SP	Champaign County	Stop Sign Installation	>1 acre	Completed in 2018
18-00449-00-RS	Champaign County C.H. 19	Culvert Replacement	<1 acre	Expected completion in 2019
18-00448-00-RS	Champaign County Staley Road	H.I.R.	<1 acre	Completed in 2018
18-03000-00-RS	Champaign Twp.	H.I.R	<1 acre	Completed in 2018
18-00449-00-RS	Champaign County C.H. 9	Culvert Replacement	<1 acre	Expected completion in 2019
18-30001-00-SS	Urbana Twp.	Storm Sewer	<1 acre	Completed in 2018
18-30002-00-RS	Urbana Twp.	Resurfacing Pavement	None	Completed in 2018
18-27001-00-RS	St. Joseph Twp.	Resurfacing Pavement	None	Expected completion in 2019
18-30449-00-RS	Champaign County C.H. 9	Resurfacing Pavement	>1 acre	Expected completion in 2019
18-00060-00-BR	Champaign County C.H. 18	Bridge Replacement	<1 acre	Expected completion in 2019
18-00061-00-BR	Champaign County C.H. 17	Bridge Replacement	<1 acre	Expected completion in 2019
18-00062-00-BR	Champaign County C.H. 15	Bridge Replacement	<1 acre	Expected completion in 2019
18-00065-00-BR	Champaign County C.H. 9	Bridge Replacement	<1 acre	Expected completion in 2019
14-00438-00-RS	Champaign County C.H. 23	Resurfacing Pavement	>1 acre	Expected completion in 2019
19-23000-00-RS	St. Joseph Twp.	Resurfacing Pavement	None	Expected completion in 2019
18-15063-00-BR	Mahomet Twp.	Bridge Replacement	<1 acre	Expected completion in 2019

NOTES

1. All construction projects during this period were roadway projects.

1. Revise Milestones for BMP No. C.2.1 Prohibit illegal dumping and illicit discharges into drainage system through the Nuisance Ordinance.

BMP No. C.2.1.

Brief Description of BMP: Prohibit illegal dumping and illicit discharges into drainage system through the Nuisance Ordinance.

Measurable Goals, including frequencies: Review existing Nuisance Ordinance and revise Ordinance to include illegal dumping and illicit discharges into drainage systems. Adopt a new Ordinance or amend existing Ordinance.

Milestones:

Year 1*: Amend Nuisance Ordinance with new language prohibiting illegal dumping and illicit discharge into drainage system.

Year 2*: Enforce amended Ordinance.

Year 3*: Enforce amended Ordinance.

Year 4*: Enforce amended Ordinance.

Year 5*: Enforce amended Ordinance.

*Years are the program years in the new Notice of Intent (NOI) submitted in May 2019.

2. Revise Milestones for BMP No. D.3.1 Prohibit illegal dumping and illicit discharges into drainage systems from construction activities. Implement either a new Ordinance or amend existing Ordinance.

BMP No. D.3.1.

Brief Description of BMP: Prohibit illegal dumping and illicit discharges into drainage systems from construction activities.

Measurable Goals, including frequencies: Enforce Storm Water Management and Erosion Control (SWMEC) Ordinance prohibition on illegal dumping and illicit discharges into drainage systems from construction activities. Review existing Nuisance Ordinance and, if needed, revise to prohibit illegal dumping and illicit discharges into drainage system from construction activities, same as SWMEC Ordinance.

Milestones:

Year 1*: Enforce SWMEC Ordinance prohibition on illegal dumping and illegal discharges into drainage systems from construction activities.

Year 2*: Enforce SWMEC Ordinance prohibition on illegal dumping and illegal discharges into drainage systems from construction activities.

Year 3*: Enforce SWMEC Ordinance prohibition on illegal dumping and illegal discharges into drainage systems from construction activities.

Year 4*: Enforce SWMEC Ordinance prohibition on illegal dumping and illegal discharges into drainage systems from construction activities.

Year 5*: Enforce SWMEC Ordinance prohibition on illegal dumping and illegal discharges into drainage systems from construction activities.

*Years are the program years in the new Notice of Intent (NOI) submitted in May 2019.

3. Revise Milestones for BMP No. E.1.1 Implement a public education program about the benefits of green infrastructure and green housekeeping in minimizing the volume of storm water runoff and pollutants from existing privately owned developed property.

BMP No. E.1.1.

Brief Description of BMP: Implement a public education program about the benefits of green infrastructure and green housekeeping in minimizing the volume of storm water runoff and pollutants from existing privately owned developed property.

Measurable Goals, including frequencies: Add a Green Infrastructure page to the Champaign County website to educate landowners about the benefits of green infrastructure and green housekeeping in minimizing the volume of storm water runoff and pollutants from existing privately owned developed property.

Milestones:

Year 1*: Develop and implement a Champaign County Green Infrastructure & Green Housekeeping web page.

Year 2*: Develop and implement a Champaign County Green Infrastructure & Green Housekeeping web page.

Year 3*: Develop and implement a Champaign County Green Infrastructure & Green Housekeeping web page.

Year 4*: Develop and implement a Champaign County Green Infrastructure & Green Housekeeping web page.

Year 5*: Develop and implement a Champaign County Green Infrastructure & Green Housekeeping web page.

*Years are the program years in the new Notice of Intent (NOI) submitted in May 2019.

4. Revise Milestones for BMP No. E.1.2 Implement a public education program about the water quality impacts of overuse of fertilizers and pesticides in non-agricultural uses.

BMP No. E.1.2.

Brief Description of BMP: Implement a public education program about the water quality impacts of overuse of fertilizers and pesticides in non-agricultural uses.

Measurable Goals, including frequencies: Add a Sustainable Lawn Care page to the Champaign County website to educate landowners about the water quality impacts of overuse of fertilizers and pesticides in non-agricultural uses.

Milestones:

Year 1*: Develop and maintain a Champaign County Sustainable Lawn Care web page.

Year 2*: Develop and maintain a Champaign County Sustainable Lawn Care web page.

Year 3*: Develop and maintain a Champaign County Sustainable Lawn Care web page.

Year 4*: Develop and maintain a Champaign County Sustainable Lawn Care web page.

Year 5*: Develop and maintain a Champaign County Sustainable Lawn Care web page.

*Years are the program years in the new Notice of Intent (NOI) submitted in May 2019.

5. Revise Milestones for BMP No. E.2.1 Require annual inspections of publicly owned storm water management facilities (post construction).

BMP No. E.2.1.

Brief Description of BMP: Require annual inspections of publicly owned storm water management facilities (post construction).

Measurable Goals, including frequencies: Procedures identified for storm water facility maintenance (post-construction) in the County SWPPP.

Milestones:

Year 1*: Develop and implement procedures for maintenance of publicly owned storm water management facilities (post-construction) in the Champaign County SWPPP.

Year 2*: Conduct annual inspection and maintenance if required of publicly owned storm water management facilities (post-construction).

Year 3*: Conduct annual inspection and maintenance if required of publicly owned storm water management facilities (post-construction).

Year 4*: Conduct annual inspection and maintenance if required of publicly owned storm water management facilities (post-construction).

Year 5*: Conduct annual inspection and maintenance if required of publicly owned storm water management facilities (post-construction).

*Years are the program years in the new Notice of Intent (NOI) submitted in May 2019.

6. Revise Milestones for BMP No. F.2.1 Prepare a Storm Water Pollution Prevention Plan (SWPPP) for County owned facilities.

BMP No. F.2.1. Brief Description of BMP: Prepare a Storm Water Pollution Prevention Plan (SWPPP) for County owned facilities.

Measurable Goals, including frequencies: Prepare SWPPP for all County owned facilities.

Milestones:

Year 1*: Begin developing the Draft SWPPP for all County owned facilities.

Year 2*: Complete the Draft SWPPP for all County owned facilities.

Year 3*: Adopt the Draft SWPPP for all County owned facilities.

Year 4*: Implement the SWPPP for all County owned facilities

Year 5*: Implement the SWPPP for all County owned facilities

*Years are the program years in the new Notice of Intent (NOI) submitted in May 2019.

7. Delete BMP No. F.3.1 Investigate feasibility and effectiveness of integrated, bio-detention and filtering for campus redesign.

This BMP is being deleted because Champaign County does not have the resources for any campus redesign that is not absolutely mandated for compliance with some statutory requirement.

Attachment B. Status Of Compliance With N.P.D.E.S. Permit Conditions for Year 5
CHAMPAIGN COUNTY, ILLINOIS MS4 ANNUAL FACILITY INSPECTION REPORT
REPORTING PERIOD YEAR 5 (4/1/18 – 3/31/19) APRIL 1, 2019

	BMP No.	Brief Description of Best Management Practice (BMP)	Status	Measurable Goal	Year 5 Milestone	Description of Activities
1	A.1.1	Flyers and information sheets at permit counter.	<i>COMPLETE</i>	Develop and distribute an educational handout.	Distribute handout.	Handout displayed and available at the service counter.
2	A.2.1	Inform business groups about MS4, NPDES, and BMPs upon request.	<i>COMPLETE</i>	Conduct one presentation per year upon request.	Conduct one presentation upon request.	No requests for presentations about MS4, NPDES and BMPs were made from business groups.
3	A.2.2	Inform developer, contractor, engineering, and architecture groups about MS4, NPDES, and BMPs.	<i>INCOMPLETE</i>	Conduct one presentation per year.	Conduct one presentation.	NONE
4	A.2.4	Inform environmental, conservation, and citizen groups about MS4, NPDES, and BMPs upon request.	<i>COMPLETE</i>	Conduct one presentation per year.	Conduct one presentation upon request.	No requests for presentations about MS4, NPDES and BMPs were made from environmental, conservation, and citizen groups.
6	A.6.1	Educational and informational material on web page.	<i>COMPLETE</i>	Develop web page with annual updates on informational and educational materials.	Develop web page.	The MS4 Annual Facility Inspection Report was posted to the County website and to the collaborative MS4 website the Champaign County Stormwater Partnership (www.ccstormwater.org)
7	B.4.1	Comply with applicable state and local public notice requirements.	<i>COMPLETE</i>	Annual number of meetings with MS4 related topics	Provide notice of pending storm water regulatory changes and provide opportunity for public comment.	All public hearings and meetings are noticed as required by state law and local ordinances and policies.
8	B.6.1	Intergovernmental Storm Water Management group meetings	<i>COMPLETE</i>	Hold at least four MS4 coordination meetings year	Attend meetings	During the program year County staff attended and participated in meetings with other MS4 jurisdictions on June 12, 2018; August 21, 2018; September 25, 2018; December 11, 2018; March 12, 2019.

Attachment B. Status Of Compliance With N.P.D.E.S. Permit Conditions for Year 5
CHAMPAIGN COUNTY, ILLINOIS MS4 ANNUAL FACILITY INSPECTION REPORT
REPORTING PERIOD YEAR 5 (4/1/18 – 3/31/19) APRIL 1, 2019

	BMP No.	Brief Description of Best Management Practice (BMP)	Status	Measurable Goal	Year 5 Milestone	Description of Activities
9	B.6.2	Prepare a storm water survey that can be used to capture public comment on the MS4 Storm Water Program.	<i>COMPLETE</i>	Prepare a storm water survey that can be used to capture annual public comment on the Champaign County Unincorporated MS4 Area Storm Water Program.	Make the Champaign County Unincorporated MS4 Area Storm Water Survey available on the Champaign County website.	The Champaign County MS4 Area Storm Water Survey is on the Champaign County website at https://docs.google.com/forms/d/e/1FAIpQLSd5hbzMASGpKgPWU3kr8gmQJ-w0ZorXoCFWUddjbMy18P3Mg/viewform?c=0&w=1
10	B.6.3	Hold an Annual Public Storm Water Meeting at the Champaign County Board Environment and Land Use Committee (ELUC) Meeting to receive public comments regarding the Champaign County Unincorporated MS4 Area Storm Water Program.	<i>COMPLETED</i>	Have the Champaign County Unincorporated MS4 Area Storm Water Program as an Agenda item at one ELUC Meeting each year.	Hold a public meeting to receive public comments regarding the Champaign County Unincorporated MS4 Area Storm Water Program at the March 2018 regular meeting of the Champaign County Board's Environment and Land Use Committee (ELUC). Public comments will include (a) comments received from the April 2017 random sample survey of Champaign County Unincorporated MS4 Area Environmental Justice (EJ) Areas; (b) comments received from respondents of the Champaign County Unincorporated MS4 Area Storm Water Survey available on the Champaign County	The Annual Public Storm Water Meeting at the Champaign County Board Environment and Land Use Committee (ELUC) Meeting was held on May 10, 2018.

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	BMP No.	Brief Description of Best Management Practice (BMP)	Status	Measurable Goal	Year 5 Milestone	Description of Activities
					website during the period 4/1/17 through 3/1/18; and (c) comments made by public participation at the Public Meeting in May 2018.	
11	B.6.4	Identify Environmental Justice areas within the Champaign County Unincorporated MS4 Area and include appropriate public participation.	<i>COMPLETED</i>	Identify Environmental Justice (EJ) areas within the Champaign County Unincorporated MS4 Area and update EJ Areas annually based on the most current US Census information and randomly sample the EJ area population for storm water concerns using the Champaign County Unincorporated MS4 Area Storm Water Survey with a postage-paid reply envelope. Review the survey results at the next Annual Public Storm Water Meeting held at a meeting of the Champaign County Board's Environment and Land Use Committee (ELUC).	In April 2018 a random sample survey of the EJ population was conducted using the Champaign County Unincorporated MS4 Area Storm Water Survey with a postage-paid reply envelope. The results of that survey will be reviewed at the May 2019 meeting of the Champaign County Board's Environment and Land Use Committee (ELUC) and reported in the Annual Facility Inspection Report for Program Year 4/1/19- 3/31/20.	In April 2018 a random sample survey of the EJ population was conducted using the Champaign County Unincorporated MS4 Area Storm Water Survey with a postage-paid reply envelope. The results of that survey will be reviewed at the May 2019 meeting of the Champaign County Board's Environment and Land Use Committee (ELUC) and reported in the Annual Facility Inspection Report for Program Year 4/1/19- 3/31/20.
12	B.7.1	Include NPDES MS4 requirements in the County's Land Resource Management Plan	<i>COMPLETE</i>	Include NPDES MS4 requirements in the County's Land Resource Management Plan and include in annual long range work plan as required.	Include MS4 in work plan for FY17.	Funding for MS4 projects was included for FY19.

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	BMP No.	Brief Description of Best Management Practice (BMP)	Status	Measurable Goal	Year 5 Milestone	Description of Activities
13	C.1.1	Map drainage system outfalls into streams and rivers.	<i>COMPLETED</i>	Update as information is available and complete a system wide updated every three years.	(1) Maintain drainage system map for unincorporated MS4 Area. (2) Complete drainage system map for County Highway system outside of MS4 Area (100% completion).	The storm sewer system map for the unincorporated Champaign County MS4 Area was mapped to 100% completion and the storm sewer system map for County Highways outside the MS4 Area was mapped to 100% completion. An excerpt is attached. The webmap can be viewed on the Champaign County website (www.co.champaign.il.us) under the Department of Planning and Zoning and at the web address below: https://arcg.is/1SHanm
14	C.2.1	Prohibit illegal dumping and illicit discharges into drainage system.	<i>IN PROGRESS</i>	Review existing Nuisance Ordinance and revise Ordinance language to include illegal dumping and illicit discharges into drainage systems. Adopt a new ordinance or amend existing ordinance.	Amend ordinance with new language.	NONE
15	C.3.1	Establish citizen complaint phone line for illegal dumping and illicit discharges into drainage systems.	<i>COMPLETE</i>	Develop and maintain complaint phone line.	Maintain complaint phone line and record of complaints.	The Department of Planning and Zoning phone line is maintained for citizen complaints regarding illegal dumping and illicit discharges.
16	C.3.2	Establish citizen complaint phone line for non-complying and/or non-functioning private sewage treatment systems	<i>COMPLETE</i>	Develop and maintain complaint phone line.	Maintain complaint phone line and record of complaints.	The Department of Planning and Zoning phone line is maintained for citizen complaints regarding non-complying and / or non-functioning private sewage treatment systems.

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	BMP No.	Brief Description of Best Management Practice (BMP)	Status	Measurable Goal	Year 5 Milestone	Description of Activities
17	C.3.3	Create a database of existing private sewage treatment systems and develop management plan to bring non-compliant systems into compliance.	<i>IN PROGRESS</i>	Create database and develop management plan. Implement plan.	Create database and develop management plan.	Records of private sewage treatment systems obtained from Public Health Department, GIS database is under development.
18	C.6.1	Annual Report to the Environment and Land Use Committee (of the Champaign County Board) and the Champaign County Board.	<i>COMPLETE</i>	Present Annual Report and place on file.	Annual Report completed.	The MS4 Annual Report was prepared and presented to the Environment and Land Use Committee (ELUC) on May 10, 2018, and approved by the Champaign County Board on May 24, 2018.
19	D.1.1	Soil erosion and sediment control regulations.	<i>COMPLETE</i>	Review existing soil erosion and sediment control regulations. Prepare draft regulations for County Board adoption. Approve revised regulations.	Enforce soil erosion and sediment control ordinance.	Soil erosion and sediment control regulations in the Champaign County Storm Water Management and Erosion Control Ordinance were enforced for all Land Disturbance Erosion Control (LDEC) Permits.
20	D.2.1	Erosion and sediment control BMPs.	<i>COMPLETE</i>	Review and evaluate existing BMPs to determine which should be included in the erosion and sediment control ordinance. Review existing regulations and develop new regulations for ordinance.	Review plans and development for appropriate use of BMP's as required by adopted ordinance.	Land Disturbance Erosion (LDEC) Permits are reviewed for use of appropriate BMP's
21	D.3.1	Prohibit illegal dumping and illicit discharges into storm drainage system from construction activities.	<i>IN PROGRESS</i>	Review existing Nuisance Ordinance and revise Ordinance language to include illegal dumping and illicit discharges into drainage systems from construction activities. Implement either a new ordinance language or amend existing Ordinance.	Review existing Nuisance Ordinance and draft new Nuisance Ordinance language.	The Storm Water Management and Erosion Control Ordinance includes a prohibition of illegal dumping and illicit discharges from construction activities. Nuisance Ordinance language has been drafted regarding illegal dumping and illicit discharges into drainage systems but has not yet been adopted.

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BMP No.	Brief Description of Best Management Practice (BMP)	Status	Measurable Goal	Year 5 Milestone	Description of Activities
22	D.4.1 Develop processes and procedures to evaluate proposed construction site runoff mechanisms.	<i>COMPLETE</i>	Develop procedures and processes to evaluate proposed construction site runoff control mechanisms.	Develop, implement and refine review procedures	Procedures to evaluate proposed construction site runoff mechanisms are refined in the review of LDEC Permits.
23	D.4.2 Training class or workshop for evaluating and inspecting construction site runoff control mechanisms.	<i>INCOMPLETE</i>	Zoning Officer (or Director's designee) attendance at training class or workshop for evaluating and inspecting construction site runoff control mechanisms.	Director's designee attends training.	No training occurred in Year 5.
24	D.6.1 Develop procedures and processes to inspect construction sites for compliance with construction site runoff control mechanisms.	<i>COMPLETE</i>	Develop procedures and processes to inspect construction sites for compliance with construction site runoff control mechanisms.	Implement and refine review procedures.	Procedures were refined as more experience was gained in the review of LDEC
25	E.1.1 Implement a public education program about the benefits of green infrastructure and green housekeeping in minimizing the volume of storm water runoff and pollutants from existing privately owned developed property.	<i>INCOMPLETE</i>	Add a Green Infrastructure page to the Champaign County website to educate landowners about the benefits of green infrastructure and green housekeeping in minimizing the volume of storm water runoff and pollutants from existing privately owned developed property.	Develop and implement a Champaign County Green Infrastructure & Green Housekeeping web page	NONE
26	E.1.2 Implement a public education program about the water quality impacts of overuse of fertilizers and pesticides in non-agricultural uses.	<i>INCOMPLETE</i>	Add a Sustainable Lawn Care page to the Champaign County website to educate landowners about the water quality impacts of overuse of fertilizers and pesticides in non-agricultural uses.	Develop and implement a Champaign County Sustainable Lawn Care web page	NONE

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	BMP No.	Brief Description of Best Management Practice (BMP)	Status	Measurable Goal	Year 5 Milestone	Description of Activities
27	E.2.1	Require annual inspections of publicly owned storm water management facilities (post-construction).	<i>INCOMPLETE</i>	Establish and implement procedures for annual inspections of publicly-owned storm water management facilities to insure they function as designed (post-construction) in the County SWPPP.	Develop and implement procedures in the County SWPPP	NONE
28	E.3.1	Develop procedures to ensure that storm water management facilities are maintained to function as designed (post-construction).	<i>IN PROGRESS</i>	Procedures identified for storm water facility maintenance (post-construction) in the County SWPPP.	NONE	The Storm Water Management and Erosion Control Ordinance requires ongoing maintenance of storm water management facilities.
29	E.3.3	Provide annual training in green infrastructure and/or low impact design techniques for all MS4 employees who manage or are directly involved in (or who retain others who manage or are directly involved in) the routine maintenance, repair, or replacement of public exterior surfaces. Require that contractors who are retained to manage or carry out the kinds of maintenance and relevant contractor employees also have annual training	<i>INCOMPLETE</i>	Provide annual training in green infrastructure and/or low impact design techniques for all MS4 employees who manage or are directly involved in (or who retain others who manage or are directly involved in) the routine maintenance, repair, or replacement of public exterior surfaces. Require that contractors who are retained to manage or carry out the kinds of maintenance and relevant contractor employees also have annual training	Training in green infrastructure and/or low impact design techniques for all MS4 employees who manage or are directly involved in (or who retain others who manage or are directly involved in) the routine maintenance, repair, or replacement of public exterior surfaces.	No training occurred in Year 5.
30	E.4.1	Training class or workshop for evaluating and inspecting construction site runoff control mechanisms (post-construction).	<i>INCOMPLETE</i>	Zoning Officer (or Director's designee) attendance at training class or workshop for evaluating and inspecting site runoff control mechanisms (post-construction).	Director's designee attends training.	No training occurred in Year 5.

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	BMP No.	Brief Description of Best Management Practice (BMP)	Status	Measurable Goal	Year 5 Milestone	Description of Activities
31	E.5.1	Develop procedures and processes to inspect construction sites for compliance with post-construction runoff control mechanisms.	<i>COMPLETE</i>	Develop procedures and processes to inspect construction sites for compliance with approved post-construction site runoff control mechanisms.	Develop and implement procedures.	The Storm Water Management and Erosion Control Ordinance requires “as-built” documentation.
32	F.1.1	Spill prevention protocol.	<i>INCOMPLETE</i>	Conduct annual spill prevention training with appropriate staff. Track meeting agenda, materials, and attendee sign-in sheet.	Undetermined due to lack of coordination within County Departments. Expected to be established with the development of the SWPPP.	NONE
33	F.1.2	Spill response protocol.	<i>COMPLETE</i>	Conduct annual spill response training with appropriate staff. Track meeting agenda, materials, and attendee sign-in sheet.	Training session completed.	The Champaign County Emergency Management Agency (CEEMA) conducted or participated in the following training in the program year: February 7, 2018: Both the Coordinator and the Assistant Coordinator attended pipeline training. April 17, 2018: Assistant Coordinator attended the Midwest Hazardous Materials Conference. September 2018: Coordinator attended Illinois Emergency Management Agency Summit in Springfield IL including sessions on the Hazardous Materials Emergency Preparedness Grant and Essentials of Commodity Flow Studies. September 12, 2018: Attended Peoples Gas table-top exercise

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BMP No.	Brief Description of Best Management Practice (BMP)	Status	Measurable Goal	Year 5 Milestone	Description of Activities
					involving a gas well leak. October 25, 2018: Champaign County Emergency Management Agency hosted the TEEX Crisis Leadership & Decision-Making for Elected Officials based on the 2001 Baltimore Train Tunnel Fire. March 2019: The Local Emergency Planning Committee featured the Dangerous Goods Officer from the Canadian National Railroad.
34	F.1.4 Hazardous material and storage management training.	<i>COMPLETE</i>	Conduct annual hazardous material and storage management training with appropriate staff. Track meeting agenda, materials, and attendee sign-in sheet. Review licensing annually.	License review and training session completed.	All relevant hazardous materials storage and handling reviewed with Facilities Director.
35	F.2.1 Storm water Pollution Prevention Plan (SWPPP) for County owned facilities.	<i>INCOMPLETE</i>	Prepare SWPPP for all County owned facilities.		Present the Plan for adoption.
36	F.3.1 Investigate feasibility and effectiveness of integrated, bio-detention and filtering for County campus redesign.	<i>INCOMPLETE</i>	Review and develop a feasibility plan. Update feasibility plan each year, if necessary.	None identified.	NONE

There was no information collected from April 1, 2018, through March 31, 2019.

Attachment D. N.P.D.E.S. Permit Activities for Reporting Year April 1, 2019 – March 31, 2020
CHAMPAIGN COUNTY, ILLINOIS MS4 ANNUAL FACILITY INSPECTION REPORT
REPORTING PERIOD YEAR 5 (4/1/18 – 3/31/19) APRIL 1, 2019

BMP No.	Brief Description of Best Management Practice (BMP)	Measurable Goal	Year 5 Milestone (4/1/18-3/31/19)	Proposed Activity Program Year 4/1/19-3/31/20
A.1.1	Flyers and information sheets at permit counter.	Develop and distribute one new educational material handout.	Distribute handout.	Distribute handout.
A.2.1	Inform business groups about MS4, NPDES, and BMPs.	Conduct one presentation per year, upon request.	Conduct one presentation, upon request.	Conduct a presentation upon request.
A.2.2	Inform developer, contractor, engineering, and architecture groups about MS4, NPDES, and BMPs.	Conduct one presentation each year, upon request.	Conduct one presentation, upon request.	Conduct one presentation upon request.
A.2.4	Inform environmental, conservation, and citizen groups about MS4, NPDES, and BMPs upon request.	Conduct one presentation each year, upon request.	Conduct one presentation, upon request.	Conduct one presentation upon request.
A.6.1	Educational and informational material on web page.	Develop web page with annual updates on informational and educational materials.	Develop web page.	Post Annual MS4 Report to County website.
B.4.1	Comply with applicable State and local public notice requirements.	Annual number of meetings with MS4 related topics. Maintain electronic records of notices, agendas, and public participation.	Provide notice of pending stormwater regulatory changes and provide opportunity for public comment.	Post meeting announcements as required by law.
B.6.1	Intergovernmental Storm Water Management group meetings (coordination meetings for all Champaign County MS4 jurisdictions)	Hold at least four MS4 coordination meetings each year.	Attend meetings.	Attend MS4 meetings.
B.6.2	Prepare a storm water survey that can be used to capture public comment on the MS4 Storm Water Program	Prepare a storm water survey that can be used to capture annual public comment on the Champaign County Unincorporated MS4 Area Storm Water Program.	Make the Champaign County Unincorporated MS4 Area Storm Water Survey available on the Champaign County website.	Make the Champaign County Unincorporated MS4 Area Storm Water Survey available on the Champaign County website.

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BMP No.	Brief Description of Best Management Practice (BMP)	Measurable Goal	Year 5 Milestone (4/1/18-3/31/19)	Proposed Activity Program Year 4/1/19-3/31/20
B.6.3	Hold Annual Public Storm Water Meeting at the Champaign County Board Environment and Land Use Committee (ELUC) Meeting to receive public comments regarding the Champaign County Unincorporated MS4 Area Storm Water Program.	Have the Champaign County Unincorporated MS4 Area Storm Water Program as an Agenda item at one ELUC Meeting each year.	Hold a public meeting to receive public comments regarding the Champaign County Unincorporated MS4 Area Storm Water Program at the March 2018 regular meeting of the Champaign County Board's Environment and Land Use Committee (ELUC). Public comments will include (a) comments received from the April 2017 random sample survey of Champaign County Unincorporated MS4 Area Environmental Justice (EJ) Areas; (b) comments received from respondents of the Champaign County Unincorporated MS4 Area Storm Water Survey available on the Champaign County website during the period 4/1/17 through 3/1/18; and (c) comments made by public participation at the Public Meeting in May 2018. All public comments received in regards to the Champaign County Unincorporated MS4 Area Storm Water Program during Year 5	Hold a public meeting to receive public comments regarding the Champaign County Unincorporated MS4 Area Storm Water Program at the March 2019 regular meeting of the Champaign County Board's Environment and Land Use Committee (ELUC). Public comments will include (a) comments received from respondents of the Champaign County Unincorporated MS4 Area Storm Water Survey available on the Champaign County website during the period 4/1/18 through 3/1/19; and (c) comments made by public participation at the Public Meeting in May 2019. All public comments received in regards to the Champaign County Unincorporated MS4 Area Storm Water Program during Program Year 4/1/19 – 3/31/20 will be reported in the Annual Facility Inspection Report for Program Year 4/1/19 – 3/31/20.

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BMP No.	Brief Description of Best Management Practice (BMP)	Measurable Goal	Year 5 Milestone (4/1/18-3/31/19)	Proposed Activity Program Year 4/1/19-3/31/20
			will be reported in the Annual Facility Inspection Report for Year 5.	
B.6.4	Identify Environmental Justice areas within the Champaign County Unincorporated MS4 Area and include appropriate public participation.	Identify Environmental Justice (EJ) areas within the Champaign County Unincorporated MS4 Area and update EJ Areas annually based on the most current US Census information and randomly sample the EJ area population for storm water concerns using the Champaign County Unincorporated MS4 Area Storm Water Survey with a postage-paid reply envelope. Review the survey results at the next Annual Public Storm Water Meeting held at a meeting of the Champaign County Board's Environment and Land Use Committee (ELUC).	In April 2018 a random sample survey of the EJ population was conducted using the Champaign County Unincorporated MS4 Area Storm Water Survey with a postage-paid reply envelope. The results of that survey will be reviewed at the May 10, 2018, meeting of the Champaign County Board's Environment and Land Use Committee (ELUC) and reported in the Annual Facility Inspection Report for Year 5.	In April 2019 a random sample survey of the updated EJ population for 2019 will be conducted using the Champaign County Unincorporated MS4 Area Storm Water Survey with a postage-paid reply envelope. The results of that survey will be reviewed at the March 2019 meeting of the Champaign County Board's Environment and Land Use Committee (ELUC) and reported in the Annual Facility Inspection Report for Program Year 4/1/19- 3/31/20.
B.7.1	Fund aspects of NPDES MS4 implementation in the County's Land Resource Management Plan implementation budget including public involvement when appropriate.	Include NPDES MS4 requirements in the County's Land Resource Management Plan and include in annual long range work plan as required.	Include MS4 in work plan for FY19.	Include MS4 in work plan for FY20.

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BMP No.	Brief Description of Best Management Practice (BMP)	Measurable Goal	Year 5 Milestone (4/1/18-3/31/19)	Proposed Activity Program Year 4/1/19-3/31/20
C.1.1	Map drainage system out falls into streams and rivers.	Update as information is available and complete a system wide update every 3 years.	Complete 100% drainage system map for unincorporated MS4 Area	Update Champaign County MS4 Unincorporated Area storm sewer system map as new information becomes available.
C.2.1	Prohibit illegal dumping and illicit discharges into drainage systems through nuisance ordinance.	Review existing Nuisance Ordinance and revise Ordinance to include illegal dumping and illicit discharges into drainage systems. Adopt a new Ordinance or amend existing Ordinance.	Amend Nuisance Ordinance to prohibit illegal dumping and illicit discharges into drainage system. MILESTONE NOT ACHIEVED	Amend Nuisance Ordinance with new illicit discharge language.
C.3.1	Establish citizen complaint phone line for illegal dumping and illicit discharges into drainage systems.	Develop and maintain phone line.	Maintain complaint phone line and record of complaints.	Maintain complaint phone line and record of complaints.
C.3.2	Establish citizen complaint phone line for non-complying and/or non-functioning private sewage treatment systems	Develop and maintain complaint phone line.	Maintain complaint phone line and record of complaints.	Maintain complaint phone line and record of complaints.
C.3.3	Create a database of existing private sewage treatments systems and develop management plan to bring non-compliant systems into compliance.	Create database and develop and adopt management plan. Implement management plan.	Create database and develop management plan.	Create database and develop management plan.
C.6.1	Annual report to the Environment and Land Use Committee of the Champaign County Board.	Present Annual Report and place on file.	Annual report completed	Complete annual report.
D.1.1	Soil Erosion and Sediment Control regulations.	Review existing erosion and sediment control regulations. Prepare draft regulations for County Board adoption. Approve revised regulations.	Enforce Soil Erosion and Sediment Control regulations.	Enforce Soil Erosion and Sediment Control regulations.
D.2.1	Erosion and Sediment Control BMPs.	Review and evaluate existing BMPs to determine which should be included in the erosion and sediment control ordinance. Review existing regulations and develop new regulations for the ordinance.	Review plans and development for appropriate use of BMPs as required by adopted ordinance and/or policy	Review Land Disturbance Erosion (LDEC) Permits for use of appropriate BMP's

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BMP No.	Brief Description of Best Management Practice (BMP)	Measurable Goal	Year 5 Milestone (4/1/18-3/31/19)	Proposed Activity Program Year 4/1/19-3/31/20
D.3.1	Prohibit illegal dumping and illicit discharges into storm drainage system from construction activities.	Review existing Nuisance Ordinance and revise Ordinance language to include illegal dumping and illicit discharges into drainage systems from construction activities. Implement either a new Ordinance or amend existing Ordinance.	Amend Nuisance Ordinance with illicit discharge language. MILESTONE NOT ACHIEVED	Amend Nuisance Ordinance with new illicit discharge language
D.4.1	Develop procedures and processes to evaluate proposed construction site runoff mechanisms.	Develop procedures and processes to evaluate proposed construction site runoff mechanisms.	Develop, implement and refine review procedures.	Develop, implement, and refine review procedures.
D.4.2	Training class/ workshop for evaluating and inspecting construction site runoff control mechanism.	Zoning Officer (or Director's designee) attendance at training class or workshop for evaluating and inspecting construction site runoff control mechanisms.	Director's designee attends training.	Director's designee attends training.
D.6.1	Develop procedures and processes to inspect construction sites for compliance with construction site runoff control mechanisms.	Develop procedures and processes to inspect construction sites for compliance with construction site runoff control mechanisms.	Implement and refine review procedures.	Implement and refine review procedures.
E.1.1	Implement a public education program about the benefits of green infrastructure and green housekeeping in minimizing the volume of storm water runoff and pollutants from existing privately owned developed property.	Add a Green Infrastructure page to the Champaign County website to educate landowners about the benefits of green infrastructure and green housekeeping in minimizing the volume of storm water runoff and pollutants from existing privately owned developed property.	Develop and implement a Champaign County Green Infrastructure & Green Housekeeping web page MILESTONE NOT ACHIEVED	Develop and implement a Champaign County Green Infrastructure & Green Housekeeping web page
E.1.2	Implement a public education program about the water quality impacts of overuse of fertilizers and pesticides in non-agricultural uses.	Add a Sustainable Lawn Care page to the Champaign County website to educate landowners about the water quality impacts of overuse of fertilizers and pesticides in non-agricultural uses.	Develop and implement a Champaign County Sustainable Lawn Care web page. MILESTONE NOT ACHIEVED	Develop and implement a Champaign County Sustainable Lawn Care web page

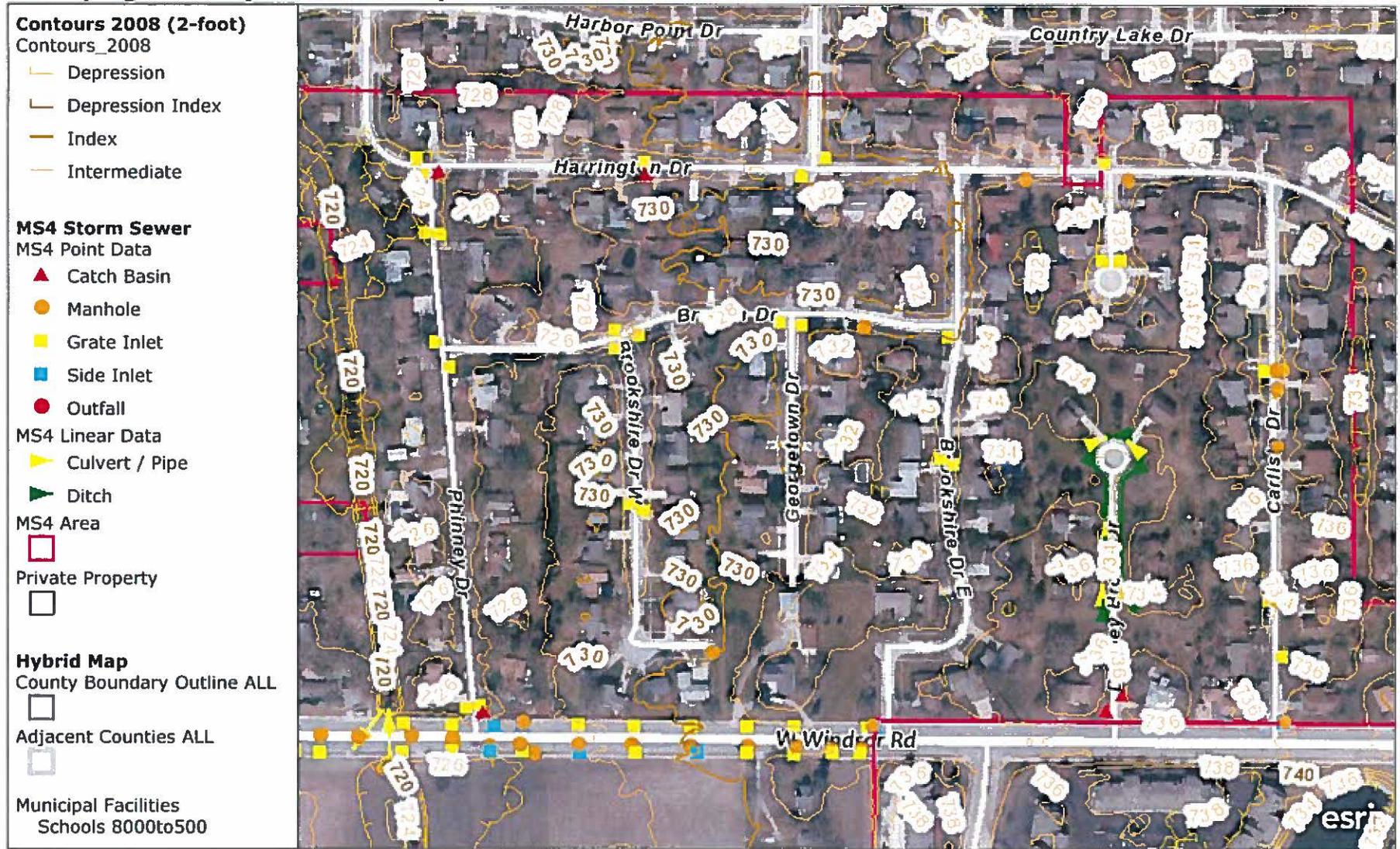
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BMP No.	Brief Description of Best Management Practice (BMP)	Measurable Goal	Year 5 Milestone (4/1/18-3/31/19)	Proposed Activity Program Year 4/1/19-3/31/20
E.2.1	Require annual inspection of publicly-owned storm water management facilities (post- construction).	Establish and implement procedures for annual inspections of publicly-owned storm water management facilities to ensure facilities function as designed (post-construction) in the County SWPPP.	Develop and implement procedures in the County SWPPP. MILESTONE NOT ACHIEVED	Develop and implement procedures in the County SWPPP
E.3.1	Develop procedures to ensure that storm water facilities are maintained to function as designed (post- construction).	Procedures identified for storm water facility maintenance (post-construction) in the County SWPPP.	Develop and implement procedures in the County SWPPP.	Develop and implement procedures in the County SWPPP.
E.3.3	Provide annual training in green infrastructure and/or low impact design techniques for all MS4 employees who manage or are directly involved in (or who retain others who manage or are directly involved in) the routine maintenance, repair, or replacement of public exterior surfaces. Require that contractors who are retained to manage or carry out the kinds of maintenance and relevant contractor employees also have annual training	Provide annual training in green infrastructure and/or low impact design techniques for all MS4 employees who manage or are directly involved in (or who retain others who manage or are directly involved in) the routine maintenance, repair, or replacement of public exterior surfaces. Require that contractors who are retained to manage or carry out the kinds of maintenance and relevant contractor employees also have annual training	Training in green infrastructure and/or low impact design techniques for all MS4 employees who manage or are directly involved in (or who retain others who manage or are directly involved in) the routine maintenance, repair, or replacement of public exterior surfaces.	Training in green infrastructure and/or low impact design techniques for all MS4 employees who manage or are directly involved in (or who retain others who manage or are directly involved in) the routine maintenance, repair, or replacement of public exterior surfaces.
E.4.1	Training class or workshop for evaluating and inspecting site runoff control mechanisms (post-construction).	Zoning Officer (or Director's designee) attendance at training class or workshop for evaluating and inspecting site runoff control mechanisms (post-construction).	Director's designee attends training.	Director's designee attends training.
E.5.1	Develop procedures and processes to inspect construction sites for compliance with runoff control mechanisms.	Develop procedures and processes to inspect construction sites for compliance with approved post-construction site runoff control mechanisms.	Develop and implement procedures.	Develop and implement procedures

Attachment D. N.P.D.E.S. Permit Activities for Reporting Year April 1, 2019 – March 31, 2020
CHAMPAIGN COUNTY, ILLINOIS MS4 ANNUAL FACILITY INSPECTION REPORT
REPORTING PERIOD YEAR 5 (4/1/18 – 3/31/19) APRIL 1, 2019

BMP No.	Brief Description of Best Management Practice (BMP)	Measurable Goal	Year 5 Milestone (4/1/18-3/31/19)	Proposed Activity Program Year 4/1/19-3/31/20
F.1.1	Spill prevention protocol	Conduct annual spill prevention training with appropriate County staff. Track with meeting agenda, materials, and attendee sign-in sheet.	Training session completed.	Training session completed.
F.1.2	Spill response protocol	Conduct annual spill response training with appropriate County staff. Track with meeting agenda, materials and attendee sign-in sheet.	Training session completed.	Training session completed.
F.1.4	Hazardous material and storage management training.	Conduct annual hazardous material and storage management training with appropriate County staff. Track with meeting agenda, materials and attendee sign-in sheet. Review licensing annually.	License review and training session completed.	Complete a training session with appropriate staff and review relevant licenses.
F.2.1	Prepare a Stormwater Pollution Prevention Plan (SWPPP) for County owned facilities.	Prepare SWPPP for all County owned facilities.	Develop the plan.	Begin developing the Draft SWPPP for all County owned facilities.

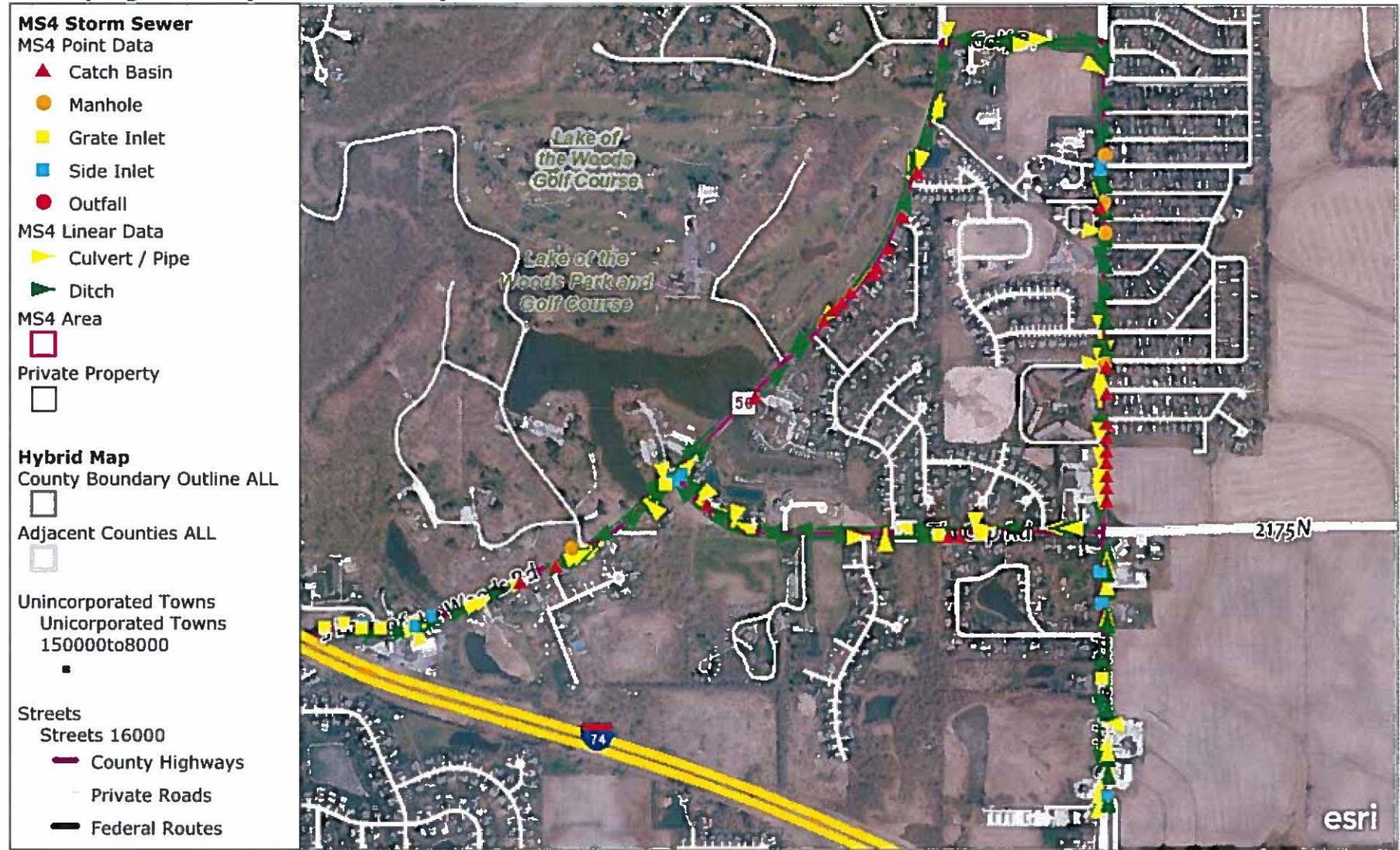
Champaign County MS4 Web Map



Draft of the Champaign County MS4 storm sewer public web map.

300ft

Champaign County MS4 Web Map



Draft of the Champaign County MS4 storm sewer public web map.

0.2mi

Champaign County GIS Consortium | Aerometric | Champaign County Planning and Zoning

**PLANNING &
ZONING**

**Brookens Administrative
Center**
1776 E. Washington Street
Urbana, Illinois 61802

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www.co.champaign.il.us/zoning

DATE: May 1, 2019
TO: Environment and Land Use Committee
FROM: Susan Monte, Planner
RE: 2018 Champaign County MS4 Area Storm Water Survey Results

ACTION REQUESTED: For Information Only

Summary

This memorandum describes survey responses to the 2018 Champaign County MS4 Area Storm Water Survey, and contains a comparison between the survey responses received in 2018 and in 2017.

Survey Intent.

The Champaign County MS4 Area Storm Water Survey is administered to identify citizen concerns related to storm water within the Champaign County Urbanized Area. The Champaign County Urbanized Area includes Champaign, Urbana, Savoy, Tolono, and the all areas located within one half-mile of those municipalities.

The annual survey is conducted to satisfy the Champaign County MS4 Storm Water NPDES Annual Facility Report identified best management practice requirement regarding Public Involvement/ Participation of Environmental Justice Areas within the Unincorporated MS4 Area.

Study Area Population.

In 2018, Champaign County's MS4 "qualifying" EJ Parcel jurisdiction is comprised of a total of 3,212 parcels. Allowing a 95% confidence interval and a 5% margin of error, the random sample size of 344 was used, as recommended for a population of 3,212.¹

Survey Distribution.

On June 11, 2018, a total of 400 surveys were mailed to a randomly selected sample of recipients residing within Environmental Justice areas of the Champaign County MS4 Area. A bilingual copy (English/ Spanish) of the survey is available on the Champaign County Department of Planning and Zoning Storm Water Program webpage, and available upon request.

Sample Size.

As of June 29, 2018, a total of 70 survey responses were received. A reminder postcard was mailed to the same random sample of 400 parcels.

Response Rate.

As of August 28, 2018, a total of 84 mailed survey responses and 1 online survey response was received. A response rate of 24 percent was reached with regard to the mailed survey. A 10%-15% response rate for a survey distributed by mail is considered an average.

Follow-up Contact regarding County Board Review.

A total of 13 respondents indicated they wanted to be notified about the County Board review of survey results, with 10 respondents providing contact info.

Comparison of survey responses received in 2018 and in 2017.

	2017	2018
Is there a location in the Champaign County MS4 Area or Urbanized Area where you believe storm water drainage causes a problem during or after a rain event?	36% yes 64% no	39% yes 56% no 5% no response
Is there any location in the Champaign County MS4 Area or Urbanized Area where you believe storm water gets polluted?	16% yes 79% no 4% no response	14% yes 79% no 7% no response
Do you recreate at any location in the Champaign County MS4 Area or urbanized Area where water is a prominent feature?	21% yes 73% no 6% no response	19% yes 72% no 9% no response
Please feel free to add any other comments you have regarding storm water in the Champaign County MS4 Area or Urbanized Areas. Number of comments provided: Comments regarding Champaign County MS4 Area: Comments that pertain to outside Champaign County MS4 Area: ..	10 — —	10 — —
Please indicate the nearest street intersection to your home.	79% responded 21% no response	79 responded 18% no response 3% unusable responses
Please indicate the major watershed that you live in.	1.4% Embarras 2.9% Middle Wabash-Little Vermilion 25% Upper Kaskaskia 39.7% Vermilion 30.8% no response	3.5% Embarras 0% Middle Wabash-Little Vermilion 32.9% Upper Kaskaskia 32.9% Vermilion 30.6% no or unusable response
Would you like to be included on the mailing list?	13 yes 10 provided contact info	9 yes 7 provided contact info

Attachment A: Summary of Survey Responses

Note:

1. Sample size based on calculator used at Calculator.net, <http://www.calculator.net/sample-size-calculator.html?type=1&cl=95&ci=5&ps=5291&x=77&y=13>

1) Is there a location in the Champaign County MS4 Area or Urbanized Area where you believe storm water drainage causes a problem during or after a rain event?

39% Yes 56% No 5% No Response

Of the 33 sets of location or nearest street intersection information received,

- 3 responses were not specific enough to understand.
- 23 location/nearest street intersections are located within the Champaign County MS4 Area. These locations are shown in blue in the table that follows.
- 7 location/nearest street intersections provided are located in either the City of Urbana or City of Champaign MS4 jurisdiction.

	Location	Within Champaign County MS4 Area?	Type of Problem caused by Storm Water Drainage
1	Cherry Hills Dr & Windsor Rd.	Yes	Storm water in street that seems to interfere with traffic during large rain events
2	Rolling Acres Dr.	Yes	Storm water sits and does not move down stream in ditches along upper side of Rolling Acres Dr.
3	Cherry Hills Dr & Windsor Rd.	Yes	Storm water in the street that seems to interfere with traffic during large rain events
4	Windsor Rd. & Cherry Hills Dr.	Yes	Storm water in the street that seems to interfere with traffic during large rain events
5	Cherry Hills Rd. & Windsor Rd., SE Corner	Yes	Storm water in the street that seems to interfere with traffic during large rain events
6	North of Entrance to Urbana C.C. and to west	Yes	Storm water in the street that seems to interfere with traffic during large rain events
7	Windsor Rd. & Cherry Hills Dr.	Yes	Storm water in the street that seems to interfere with traffic during any rain and large rain events
8	Cunningham & Perkins, going east towards Brownfield Rd. - flooding	Maybe	Storm water in the street that seems to interfere with traffic during any rain and storm water so deep that it may be a safety concern during any rain
9	N. Carrie Ave. & Walter St.	Yes	Storm water that causes property damage by flooding a building during large rain events. I put in a swale between 307 Carrie and 305 Carrie, Urbana so that rain water could run off instead of under my house. Builder of 305 took the previous swale out when he built 305 Carrie. My cost \$1,500. Mold remediation cost \$9,000 in crawl space.
10	Garden Hills neighborhood	No	Storm water that causes property damage by flooding a building(s) during any rain, storm water in the street that seem to interfere with traffic during large rain events and storm water that is so deep that it may be a safety concern during any rain.
11	Illinois St. & Glenn	Yes	Storm water so deep that it may be a safety concern during any rain. Other: street water on each side of road
12	Willow View Rd. - field between Christopher Cir. & Perkins Rd.	Yes	Storm water so deep that it may be a safety concern during large rain events.
13	Perkins Rd. & Willow View Rd. (Willow Springs Condo Assoc.)	Yes	Water retention area does not drain well - water is often very dep in large rain events - deep enough for ducks & geese to gather.
14	1808 Cindy Lynn St, Urbana	Yes	Storm water that causes property damage by flooding a building(s) during large rain events, storm water in the street that seems to interfere with traffic during large rain events.
15	Smith Rd. & Main St., just east of	No	Storm water in the street that seems to interfere with traffic

16	Along Perkins Rd.	Maybe	Storm water that causes property damage by flooding a building(s) during large rain events, storm water in the street that seems to interfere with traffic during large rain events and storm water so deep that it may be a safety concern during large rain events.
17	7001 Bentbrook/Golf Creek	No	Storm water that causes property damage by flooding a building(s) during large rain events, storm water in the street that seems to interfere with traffic during large rain events
18	High Cross Rd & Kyle St	Yes (if west half of intersection)	Storm water that causes property damage by flooding a building(s) during large rain events, storm water in the street that seems to interfere with traffic during large rain events. Recently there has been some work done that seems to have reduced the problem dramatically so my info above is old, possibly.
19	No location indicated	n/a	Water stays in ditch, suppose to go south but just sits in ditch, sometimes back into my basement Storm water that causes property damage by flooding a building(s) during large rain events, storm water in the street that seem to interfere with traffic during large rain events and storm water that is so deep that it may be a safety concern during large rain events, ditch fills with water.
20	Berneice Ct	Yes	Storm water in the street that seems to interfere with traffic during large rain events.
21	Slayback & E. Dodson	Yes	People mowing grass into street plug up storm sewers
22	Intersection of Beck Dr & Brian Dr	Yes	Storm water that causes property damage by flooding a building(s) during large rain events, storm water in the street that seems to interfere with traffic during any rain and storm water so deep that it may be a safety concern during large rain events.
23	Kirby Ave. between Duncan & Mattis area around Lincolnshire Subdivision	No	Storm water in the street that seems to interfere with traffic during large rain events and storm water so deep that it may be a safety concern during large rain events
24	Fox Dr. & Neil	No	Storm water so deep that it may be a safety concern during large rain events
25	2703 Arlene Dr., Urbana	Yes	Storm water that causes property damage by flooding a building(s) during any rain.
26	Airport & Arlene Dr.	Yes	Storm water that causes property damage by flooding a building(s) during large rain events. If it rains too hard the drainage ditch cannot keep up and it overflows.
27	West Country Club Road, Urbana	Yes	Storm water in the street that seems to interfere with traffic during large rain events.
28	Cypress Creek & Cherry Hills	No	Storm water that causes property damage by flooding a building(s) during large rain events
29	University and Cunningham under viaduct by Schnucks	No	Storm water in the street that seems to interfere with traffic during large rain events
30	Slayback & E. Dodson	Yes	Storm water in the street that seems to interfere with traffic during large rain events
31	Perkins Rd. & Highcross Rd. / Kyle/Cindy Lynn	Yes	Storm water in the street that seems to interfere with traffic during large rain events and storm water so deep that it may be a safety concern during large rain events
32	Kyle/Cindy Linn & Kyle Shelly Court	Yes	Storm water in the street that seems to interfere with traffic during large rain events and storm water so deep that it may be a safety concern during large rain events
33	2409 Sharlyn Drive, Urbana	Yes	Storm water that causes property damage by flooding a building during large rain events and storm water so deep it may be a safety concern during large rain events.

- 2) Is there any location in the Champaign County MS4 Area or Urbanized Area where you believe storm water gets polluted?

14% Yes 79% No 7% No Response

Of the 12 responses received, five locations are within the Champaign County MS4 Area. These are highlighted in green on the table that follows.

Other responses received were not sufficiently specific to determine the MS4 Area jurisdiction.

	Location	Within Champaign County MS4 Area?	Type of Pollution
1	Rolling Acres	Yes	Septic System release of sewage (septage) onto the ground or into a stream
2	No location given	n/a	Trash on the ground or in the street that may wash into the storm sewer system
3	Glenn	Not specific	Trash on the ground or in the street that may wash into the storm sewer system
4	Along Perkins Road	Not specific	Take a look after a heavy rain
5	No location given	n/a	Ditch in front of my house is full of bugs and mosquitos.
6	Berniece Ct.	Yes	Water drains into a water way with fertilizer. If we had ditches at 2808 and 2810, water would flow into water way and no flooding would take place, but these people covered the ditches so they would have a better looking lawn thus creating flooding of the street.
7	No location given	n/a	Trash on the ground or in the street that may wash into the storm sewer system and washing of business vehicles in other than in a car wash facility
8	Slayback & E. Dodson	Yes	Trash on the ground or in the street that may wash into the storm sewer system
9	Farhills Drive, Champaign	Yes	Dumping of unknown liquids into a storm drain or other part of the storm sewer system
10	Kyle/Cindy Lynn	Yes	Trash on the ground or in the street that may wash into the storm sewer system (minimal) and a sanitary sewer that overflows onto the surface of the ground and/or empties into a stream during hard rains water stands on road.
11	Kyle/Highcross Road	Yes	Trash on the ground or in the street that may wash into the storm sewer system and chemicals used on crops draining into storm water
12	No location given	n/a	A liquid other than water that drains out of a pipe even during dry periods.

3) Do you recreate at any location in the Champaign County MS4 Area or Urbanized Area where water is a prominent feature?

19% Yes 72% No 9% No Response

	Location	Type of Recreation	Concerned about water quality at this location?	Water quality concerns
1	Lake behind our house	Walking along or near the shore, fishing from the shore and from a boat, paddle boating	No	n/a
2	Porter Family Park	Walking along or near the shore and running	No	n/a
3	Walking paths in "The Meadows" development near Windsor & Duncan	Walking along or near the shore	Yes	Other pollution that is visible in the water and that harms the quality of the aquatic environment
4	Country Club Entrance	Walking along or near the shore	No	n/a
5	Springfield & 2 nd	Walking along or near the shore	No	n/a
6	Lincolnshire Fields Lake	Boating, wading and/or swimming	No	n/a
7	Glenn	Walking along or near the shore	n/a	n/a
8	Crystal Lake Park	Walking along or near the shore	No	n/a
9	Smith Road & Washington	Walking along or near shore and taking pictures of birds & flowers	No	n/a
10	Lincolnshire Fields Lake	Walking along or near the shore	No	n/a
11	Glenshire neighborhoods	Walking along or near shore	Yes	Trash in the water that is unpleasant to see, causes pollution, bank or shore erosion that harms the quality of the aquatic environment, other pollution that is visible in the water and that harms the quality of the aquatic environment, pollution in water harming wildlife
12	Lake Park	Walking along or near shore	No	n/a
13	"Lake" near Mettler Center (Windsor & Duncan), Crystal Lake, Kaufman Lake	Walking along or near the shore, boating	No	n/a
14	Various places (parks)	Walking along or near the shore	Yes	Trash in the water that is unpleasant to see, causes pollution, bank or shore erosion that harms the quality of the aquatic environment, impact on ecosystem
15	Highcross Rd. between Perkins Rd. & Airport Road. Drainage Creek between Kyle & Airport Road	Bicycling	Yes	Trash in the water that is unpleasant to see and other pollution in the water that harm either myself or others who may come into contact with the pollution.