



Illinois Environmental Protection Agency

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Notice of Intent for New or Renewal of General Permit for Discharges from Small Municipal Separate Storm Sewer Systems (MS4's)

Part I. Municipal (MS4) Contact Information

1. Name of Municipality: Village of Hawthorn Woods MS4 #: ILR400209
 Population (based on 2010 census): 7663
2. MS4 Mailing Address: 35 Old McHenry Road City: Hawthorn Woods, IL Zip: 60047
3. Primary MS4 Contact Person (Authorized Representative for MS4 Permit)
 Name: Erika M. Frable, P.E. Title: Director of Public Works/Village Engineer
 Phone: 847-540-5223 Email Address: efrable@vhw.org

General Information

4. Latitude and Longitude at approximate geographical center of MS4 for which you are requesting authorization to discharge:
 Latitude: 42 12 54 Longitude: 88 3 29
 Degrees Minutes Seconds Degrees Minutes Seconds
5. Community Type: Village Other: _____
6. Name(s) of governmental entity(ies) in which MS4 is located:
- | City/Village | Township | County |
|----------------|-------------|--------|
| Hawthorn Woods | Ela/Fremont | Lake |
7. Area of land within your MS4 in square miles: 7.86
8. Percent of MS4 served by combined sewer: 0 Percent of MS4 served by separate sewer: 100

Impaired Waters

The most recent 303(d) list may be found at <https://www2.illinois.gov/epa/topics/water-quality/watershed-management/tmdls/Pages/303d-list.aspx>. Information regarding TMDLs may be found at <https://www2.illinois.gov/epa/topics/water-quality/watershed-management/tmdls/Pages/default.aspx>.

9.

Name(s) of known receiving waters (in and within 3 miles of MS4 area)	Impairment listed on 303d List or TMDL?
Fiddle Creek	<input checked="" type="radio"/> Yes <input type="radio"/> No
Buffalo Creek	<input checked="" type="radio"/> Yes <input type="radio"/> No
Indian Creek	<input checked="" type="radio"/> Yes <input type="radio"/> No
Flint Creek	<input type="radio"/> Yes <input checked="" type="radio"/> No
Squaw Creek	<input type="radio"/> Yes <input checked="" type="radio"/> No
Tower Lake Drain	<input type="radio"/> Yes <input checked="" type="radio"/> No
Grassy Lake Drain	<input type="radio"/> Yes <input checked="" type="radio"/> No

9a. If impaired, which potential causes and source?

Causes: 303d causes listed in attached table

Source: 303d doesn't list sources, 305d listed in table

9b. Are the receiving waterbodies included in an approved TMDL or alternate water quality management plan? Yes No

If yes, what measures to comply with the TMDL waste load allocation (WLA) are being implemented or are planned?

-Village of Hawthorn Woods participates in the Des Plaines River Watershed Workgroup (DRWW) to monitor and resolve priority waterway problems efficiently and cost effectively.

-The voluntary management measures recommended in the TMDL Reports can be successfully implemented through the leadership of DRWW and local stakeholders with the watershed.

9c. Is the MS4 community included in the chloride variance? Yes No

Program Responsibility

10. Shared Responsibility

Is your MS4 responsible for any permit requirements of another MS4 community? Yes No

Does your MS4 Community rely on another MS4 to satisfy any of the permit requirements? Yes No

11. Co-Permittee

Is your MS4 Community a Co-Permittee with another MS4 Community? Yes No

12. Other contacts responsible for implementation or coordination of Stormwater Management Program

Name: _____ Title: _____

Phone: _____ Email: _____

Area of Responsibility: _____

Part II. Best Management Practices (include shared responsibilities) which have been implemented or are proposed to be implemented in the MS4 area

A. Public Education and Outreach

Approximate date first implemented: 2013

Frequency of each BMP program: annual/as needed

Qualifying Local Programs

The Village of Hawthorn Woods intends to share responsibility for the implementation of its stormwater management program with a Qualifying Local Program (QLP), as noted below.

The Lake County Stormwater Management Commission (SMC) serves as a QLP for Lake County MS4s. As a QLP, SMC performs activities related to each of the six MCMs described in the MS4 Permit, including activities related to Public Education and Outreach. These activities provide Lake County with a baseline Countywide stormwater management program that can be built upon by each of the individual MS4s. Over the coming years, SMC plans to continue to perform a variety of activities related to the Public Education and Outreach MCM.

MS4 Stormwater Management Program:

As part of its stormwater management program, the Village of Hawthorn Woods conducts a number of Public Education and Outreach activities that educate and inform the public about the impacts of stormwater runoff on receiving water bodies and the steps that the public can take to reduce those impacts. In coordination and collaboration with the QLP, the Village of Hawthorn Woods utilizes a variety of best management practices (BMP's) to educate and inform the public about these issues, including: distribution of paper material containing information about stormwater management; sponsoring and/or attending community outreach events, including meetings, to provide information about stormwater management; publicizing household hazardous waste collection events sponsored by the Solid Waste Agency of Lake County (SWALCO) to encourage the public to participate in such events; and, providing on its website, information about stormwater management and its stormwater management program. Following the expiration of the current version of the Permit on February 28, 2021, the Village of Hawthorn Woods plans to continue to perform a variety of activities related to the Public Education and Outreach MCM, as described in attached.

A.1 Distributed Paper Material

Brief Description of BMP

The QLP compiles, develops, and distributes throughout Lake County (to the general public and MS4s) a variety of materials related to stormwater management. The Village of Hawthorn Woods supports the QLP by further distributing education material via take-away racks, municipal newsletters, website, at a Village Board meeting once per year and by supporting efforts of the Solid Waste Agency of Lake County (SWALCO).

Measurable Goals, including frequencies

Refer to BMP's below. BMP implementation is annually unless otherwise noted.

Milestones

Year 1: The MS4 distributes materials in take-away racks, on Village website, via email and in newsletters.

Year 2: The MS4 distributes materials in take-away racks, on Village website, via email and in newsletters.

Year 3: The MS4 distributes materials in take-away racks, on Village website, via email and in newsletters.

Year 4: The MS4 distributes materials in take-away racks, on Village website, via email and in newsletters.

Year 5: The MS4 distributes materials in take-away racks, on Village website, via email and in newsletters.

Additional Info

Measurable Goals (include shared responsibilities)

BMP Number: A1-1

The QLP makes available outreach materials on stormwater related topics including safe vehicle maintenance, car washing, healthy lawn care, green infrastructure, pool dewatering, illicit discharge and illegal dumping. The QLP provides via take-away-racks, outreach events and scheduled meetings with the general public, as needed.

BMP Number: A1-2

The MS4 distributes materials in take-away racks, on Village website, via email and in newsletters.

A.2 Speaking Engagement

Brief Description of BMP

The QLP provides educational presentations related to IEPA's NPDES Stormwater Program on a regular basis at Municipal Advisory Committee (MAC) meetings. Upon request, QLP provides educational presentations related to IEPA's NPDES Stormwater Program to Lake County MS4s.

Measurable Goals, including frequencies

Refer to BMP's below. BMP implementation is annually unless otherwise noted.

Milestones

Year 1: The MS4 presents the NPDES Program to the Village Board once annually.

Year 2: The MS4 presents the NPDES Program to the Village Board once annually.

Year 3: The MS4 presents the NPDES Program to the Village Board once annually.

Year 4: The MS4 presents the NPDES Program to the Village Board once annually.

Year 5: The MS4 presents the NPDES Program to the Village Board once annually.

Additional Info

BMP Number: A2-1

The QLP includes NPDES program information at at least 1 annual Municipal Advisory Committee meeting.

BMP Number: A2-2

The QLP provides educational presentations related to NPDES stormwater program (Big Picture), upon request.

BMP Number: A2-3

The MS4 presents the NPDES Program to the Village Board once annually.

A.3 Public Service Announcement

Brief Description of BMP

The QLP performs extensive Social Media Outreach & Announcement Activities. Public service announcement related to IEPA's NPDES Stormwater Program or Stormwater BMPs are included in SMC's watershed E-News. SMC also

utilizes social media and coordinates with the Lake County Department of Transportation (LCDOT) to post watershed identification signage in watersheds where watershed planning activities have occurred or are occurring.

Measurable Goals, including frequencies

Refer to BMP's below. BMP implementation is on-going unless otherwise noted.

Milestones

Year 1: The QLP includes one mainstream publication annually. Maintain social media campaign.

Year 2: The QLP includes one mainstream publication annually. Maintain social media campaign.

Year 3: The QLP includes one mainstream publication annually. Maintain social media campaign.

Year 4: The QLP includes one mainstream publication annually. Maintain social media campaign.

Year 5: The QLP includes one mainstream publication annually. Maintain social media campaign.

Additional Info

BMP Number: A3-1

The QLP include NPDES program information in at least 1 mainstream publication.

BMP Number: A3-2

The QLP posts watershed signage in cooperation with LCDOT.

BMP Number: A3-3

The QLP provides NPDES related information via Facebook and Twitter.

A.4 Community Event

Brief Description of BMP

The QLP sponsors and co-sponsors educational and technical training workshops on a variety of stormwater management-related topics. Each year, the QLP will sponsor or co-sponsor at least one workshop on a topic related to IEPA's NPDES Stormwater Program, such as soil erosion and sediment control, illicit discharge detection and elimination, or stormwater best management practices (BMPs) that can be used to protect and improve water quality.

Measurable Goals, including frequencies

Refer to BMP's below. BMP implementation is annual unless otherwise noted.

Milestones

Year 1: The QLP & MS4 implements SMPP.

Year 2: The QLP & MS4 implements SMPP.

Year 3: The QLP & MS4 implements SMPP.

Year 4: The QLP & MS4 implements SMPP.

Year 5: The QLP & MS4 implements SMPP.

Additional Info

BMP Number: A4-1

Solid Waste Agency of Lake County (SWALCO) holds household waste collection events in various communities throughout Lake County, which assist in collecting waste before it enters the storm sewer system. The MS4 supports and publicizes SWALCO collections.

BMP Number: A4-2

The QLP sponsors / co-sponsors NPDES related workshops, at least once annually (track).

BMP Number: A4-3

The QLP sponsors / co-sponsors NPDES related workshops (track), attends/sponsors outreach events and scheduled meetings as-needed.

A.5 Classroom Education Material

Brief Description of BMP

Upon request, QLP will contribute to the development and compilation of material for inclusion in a stormwater education kit that can be distributed to local students and teachers and/or other local stakeholders. Additionally, upon request, the QLP will provide information, materials, and training to local students and teachers and/or other local stakeholders interested in conducting storm drain stenciling.

Measurable Goals, including frequencies

Refer to BMP's below. BMP implementation is as-needed unless otherwise noted.

Milestones

Year 1:

Year 2:

Year 3:

Year 4:

Year 5:

Additional Info

BMP Number: A5-1

The QLP provides stormwater educational kits, as-needed or requested.

BMP Number: A5-2

The QLP provides guide to Storm Drain Marking to groups that express interest, as-needed.

A.6 Other Public Education

Brief Description of BMP

The QLP maintains a website that contains a variety of materials and resources related to stormwater management. The

website provides information about IEPA's NPDES Stormwater Program, provides information about stormwater best management practices (BMPs), allows for download of stormwater management-related publications and documents, provides notices of upcoming meetings and ongoing projects, includes watershed plans and watershed workgroup information, and provides links to a number of other stormwater management-related resources.

The MS4 maintains a website that contains a variety of materials and resources related to stormwater management. The website provides information about IEPA's NPDES Stormwater Program, provides information about stormwater best management practices (BMPs), and provides link to the QLP's website for additional stormwater management-related resources.

Measurable Goals, including frequencies

Refer to BMP's below. BMP implementation is on-going unless otherwise noted.

Milestones

Year 1: The QLP & MS4 maintain their website.

Year 2: The QLP & MS4 maintain their website.

Year 3: The QLP & MS4 maintain their website.

Year 4: The QLP & MS4 maintain their website.

Year 5: The QLP & MS4 maintain their website.

Additional Info

BMP Number: A6-1

The QLP maintains link to SMC, link to SWALCO, IEPA, safe vehicle maintenance & car washing information, healthy lawn care, green infrastructure, and pool dewatering. The MS4 maintains link to QLP's website for additional stormwater related resources.

BMP Number: A6-2

The QLP and MS4 posts NOI, SMPP and Annual Reports on their websites.

BMP Number: A6-3

QLP maintain SMC website (information and links; include illicit discharge and illegal dumping info).

B. Public Participation/Involvement

Approximate date first implemented: 2013

Frequency of each BMP program: annually/as-needed

Qualifying Local Programs

The Village of Hawthorn Woods intends to share responsibility for the implementation of its stormwater management program with a Qualifying Local Program (QLP), as noted below.

The Lake County Stormwater Management Commission (SMC) serves as a QLP for Lake County MS4s. As a QLP, SMC performs activities related to each of the six MCMs described in the permit, including activities related to Public Participation/Involvement. These activities provide Lake County with a baseline Countywide stormwater management program that can be built upon by each of the individual MS4s. Over the coming years, SMC plans to continue to perform a variety of activities related to the Public Participation/Involvement MCM.

MS4 Stormwater Management Program:

As part of its stormwater management program, the Village of Hawthorn Woods conducts a number of Public Participation/Involvement activities that involve and engage the public in the implementation of its stormwater management program. In coordination and collaboration with the QLP, the Village of Hawthorn Woods utilizes a variety of best management practices (BMP's) to involve and engage the public in these efforts, including: attending stakeholder meetings; presenting information about stormwater management and its stormwater management program at public meetings; attending and participating in Municipal Advisory Committee (MAC) meetings to discuss and coordinate on the implementation of IEPA's NPDES Stormwater Program; and, providing a phone number and maintaining a process for receiving and processing information about stormwater-related problems and concerns from the public. Following the expiration of the current version of the Permit on February 28, 2021, the Village of Hawthorn Woods plans to continue to perform a variety of activities related to the Public Participation/Involvement MCMs, as described below.

Measurable Goals (include shared responsibilities)

B.2 Educational Volunteer

B.3 Stakeholder Meeting

Brief Description of BMP

The QLP is actively involved in watershed planning throughout Lake County. The QLP believes that the watershed planning process cannot happen and will not be successful without the input, interest, and commitment of the watershed stakeholders. Watershed stakeholders may include municipalities, townships, drainage districts, homeowner associations, lakes management associations, developers, landowners, and local, county, state, and federal agencies.

The MS4 supports the QLP efforts and participates in relevant stakeholder/watershed groups, as appropriate.

Measurable Goals, including frequencies

Refer to BMP's below. BMP implementation is on-going unless otherwise noted.

Milestones

Year 1: The QLP & MS4 participates in relevant watershed planning efforts and workgroups.

Year 2: The QLP & MS4 participates in relevant watershed planning efforts and workgroups.

Year 3: The QLP & MS4 participates in relevant watershed planning efforts and workgroups.

Year 4: The QLP & MS4 participates in relevant watershed planning efforts and workgroups.

Year 5: The QLP & MS4 participates in relevant watershed planning efforts and workgroups.

Additional Info

BMP Number: B3-1

QLP establishes watershed planning committee for each new watershed planning effort and provides notice of meetings. MS4 participates in watershed planning efforts that are relevant to the MS4.

B.4 Public Hearing

Brief Description of BMP

The MS4 presents Annual Report to Village Board during open meeting

Measurable Goals, including frequencies

The MS4 to present Annual Report to Board during open meeting.

Milestones

Year 1: The MS4 presents Annual Report to Board during open meeting.

Year 2: The MS4 presents Annual Report to Board during open meeting.

Year 3: The MS4 presents Annual Report to Board during open meeting.

Year 4: The MS4 presents Annual Report to Board during open meeting.

Year 5: The MS4 presents Annual Report to Board during open meeting.

Additional Info

BMP Number: _____

- B.5 Volunteer Monitoring
- B.6. Program Involvement

Brief Description of BMP

QLP formed the Municipal Advisory Committee (MAC) to provide a forum for representatives of local MS4s, which include municipalities, townships, and drainage districts, to discuss, among other topics, the implementation of IEPA's NPDES Stormwater Program. SMC will continue to facilitate MAC meetings and will continue to provide general support to Lake County MS4s as they continue to develop and implement their stormwater management programs. SMC will prepare an annual report on its stormwater management activities and will provide guidance to Lake County MS4s in preparing their own annual reports.

The MS4 attends and participates in the MAC meetings and the MS4's Director of Public Works actively participates in the preparation of each MAC meeting because she has served as the Chairperson for the MAC Committee from 2018 - 2021.

Measurable Goals, including frequencies

Refer to BMP's below. BMP implementation is annually unless otherwise noted.

Milestones

- Year 1: The QLP and MS4 track MAC and other stormwater related meetings.
- Year 2: The QLP and MS4 track MAC and other stormwater related meetings.
- Year 3: The QLP and MS4 track MAC and other stormwater related meetings.
- Year 4: The QLP and MS4 track MAC and other stormwater related meetings.
- Year 5: The QLP and MS4 track MAC and other stormwater related meetings.

Additional Info

BMP Number: B6-1

QLP hosts and MS4 attends MAC meetings and other stormwater related events. The MS4s Public Works Director has been the Chairperson for the MAC Committee from 2018 - 2021.

BMP Number: B6-2

The QLP and MS4 evaluates SWPP (at least once during permit cycle) noting major highlights and deficiencies.

BMP Number: B6-3

The QLP provides annual report template including description of QLP. Provide detailed update of Lake County Water's segment in annual report template.

B.7 Other Public Involvement

Brief Description of BMP

The MS4 publicize contact information to encourage submission of complaints, suggestions, requests or report potential illicit discharges/illegal dumping.

Measurable Goals, including frequencies

The MS4 publicizes contact information to encourage submission of complaints, suggestions, requests (on-going).

Milestones

Year 1: The MS4 implements SMPP.

Year 2: The MS4 implements SMPP.

Year 3: The MS4 implements SMPP.

Year 4: The MS4 implements SMPP.

Year 5: The MS4 implements SMPP.

Additional Info

BMP Number: _____

C. Illicit Discharge Detection and Elimination

Approximate date first implemented: 2013

Frequency of each BMP program: as needed

Qualifying Local Programs

The Village of Hawthorn Woods intends to share responsibility for the implementation of its stormwater management program with a Qualifying Local Program (QLP), as outlined below. Note, however, that the primary responsibility for the implementation of the Illicit Discharge Detection and Elimination MCM lies with the Village of Hawthorn Woods.

The Lake County Stormwater Management Commission (SMC) serves as a QLP for Lake County MS4s. As a QLP, SMC performs activities related to each of the six MCMs described in the permit, including activities related to Illicit Discharge Detection and Elimination. These activities provide Lake County with a baseline Countywide stormwater management program that can be built upon by each of the individual MS4s. Over the coming years, SMC plans to continue to perform a variety of activities related to the Illicit Discharge Detection and Elimination MCM.

MS4 Stormwater Management Program:

As part of its stormwater management program, the Village of Hawthorn Woods conducts a number of activities related to Illicit Discharge Detection and Elimination. In accordance with the current version of the Permit, the Village of Hawthorn Wood's Illicit Discharge Detection and Elimination program includes:

- ** A storm sewer system map showing the locations of all outfalls;
- ** An ordinance or other regulatory mechanism that prohibits all non-stormwater discharges into the storm sewer system and provides the authority for appropriate enforcement procedures and actions;
- ** A plan to detect and address all non-stormwater discharges, including illegal dumping, into the storm sewer system;
- ** A program to educate public employees about the hazards associated with illegal discharges and improper disposal of water; and,
- ** Annual inspection of storm sewer outfalls for detection of non-stormwater discharges and illegal dumping.

Following the expiration of the current version of the Permit on February 28, 2021, the Village of Hawthorn Woods plans to continue to perform a variety of activities related to the Illicit Discharge Detection and Elimination MCM, as described.

Measurable Goals (include shared responsibilities)

C.1 Sewer Map Preparation

Brief Description of BMP

The MS4 maintains an outfall map showing the locations of outfalls.

Measurable Goals, including frequencies

Refer to BMP's below. BMP implementation is on-going unless otherwise noted.

Milestones

Year 1: The MS4 to implement SMPP.

Year 2: The MS4 to implement SMPP.

Year 3: The MS4 to implement SMPP.

Year 4: The MS4 to implement SMPP.

Year 5: The MS4 to implement SMPP.

Additional Info

BMP Number: C1-1

The MS4 to maintain outfall map.

BMP Number: C1-2

The QLP to make available outfall data obtained as part of stream inventories and GIS data related to the County's existing stormwater infrastructure (e.g. storm sewer atlases, stream inventories and detention basin inventories).

BMP Number: C1-3

The MS4 to inspect for "new" outfalls every 5 years

C.2 Regulatory Control Program

Brief Description of BMP

The WDO includes provisions that prohibit illicit discharges to the storm sewer system during construction (i.e., prior to final site stabilization) on development sites. The MS4 has also adopted illicit discharge ordinances that prohibit all non-stormwater discharges, including illegal dumping, to the storm sewer system.

Measurable Goals, including frequencies

Refer to BMP's below. BMP implementation is on-going unless otherwise noted.

Milestones

Year 1: QLP & MS4 to enforce ordinances.

Year 2: QLP & MS4 to enforce ordinances.

Year 3: QLP & MS4 to enforce ordinances.

Year 4: QLP & MS4 to enforce ordinances.

Year 5: QLP & MS4 to enforce ordinances.

Additional Info

BMP Number: C2-1

The MS4 is a certified community. MS4 administers and enforces the WDO.

BMP Number: C2-2

The MS4 to enforce local Ordinances including: IDDE, Subdivision and Public Utility Ordinances.

C.3 Detection/Elimination Prioritization Plan

Brief Description of BMP

The MS4's Detection / Elimination Plan has been developed and is included in SMPP. Detection methods include dry-weather screening, regular storm sewer maintenance, and public reporting.

Measurable Goals, including frequencies

Refer to BMP's below. BMP implementation frequencies are noted below per BMP.

Milestones

Year 1: The MS4 to implement SMPP.

Year 2: The MS4 to implement SMPP.

Year 3: The MS4 to implement SMPP.

Year 4: The MS4 to implement SMPP.

Year 5: The MS4 to implement SMPP.

Additional Info

BMP Number: C3-1

The MS4 responds to, tracks and resolves indirect illicit discharges, as needed.

BMP Number: C3-2

The MS4 to complete outfall inspection procedure for all priority outfalls with observed dry weather flow. Document.

C.4 Illicit Discharge Tracing Procedures

Brief Description of BMP

The MS4 has developed source Id/tracing procedures for identified illicit discharges and they are included in SMPP.

Measurable Goals, including frequencies

The MS4 follows established tracing procedures for potential illicit discharges included in the SMPP, on an as needed basis.

Milestones

Year 1: The MS4 implements SMPP.

Year 2: The MS4 implements SMPP.

Year 3: The MS4 implements SMPP.

Year 4: The MS4 implements SMPP.

Year 5: The MS4 implements SMPP.

Additional Info

BMP Number: _____

C.5 Illicit Source Removal Procedures

Brief Description of BMP

The MS4 has developed removal procedures for found illicit discharges and they are included in SMPP.

Measurable Goals, including frequencies

The MS4 follows established removal procedures for found illicit discharges included in the SMPP, on an as needed basis.

Milestones

Year 1: The MS4 implements SMPP.

Year 2: The MS4 implements SMPP.

Year 3: The MS4 implements SMPP.

Year 4: The MS4 implements SMPP.

Year 5: The MS4 implements SMPP.

Additional Info

BMP Number: _____

C.6 Program Evaluation and Assessment

Brief Description of BMP

The MS4 periodically evaluates and assesses the IDDE portion of the SMPP.

Measurable Goals, including frequencies

The inclusion or exclusion of water bodies on the IEPAs 303(d) list, published bi-annually, is a direct reflection of the

program's effectiveness.

Milestones

Year 1: The MS4 includes assessment in Part B of the Annual Report.

Year 2: The MS4 includes assessment in Part B of the Annual Report.

Year 3: The MS4 includes assessment in Part B of the Annual Report.

Year 4: The MS4 includes assessment in Part B of the Annual Report.

Year 5: The MS4 includes assessment in Part B of the Annual Report.

Additional Info

BMP Number: _____

[Empty text box for additional information]

C.7 Visual Dry Weather Screening

Brief Description of BMP

The MS4 continues screening storm sewer structures as part of regular cleaning and maintenance and implementing dry weather screening program as described in the SMPP.

Measurable Goals, including frequencies

The MS4 administers removal procedures for outfalls with illicit discharges.

Milestones

Year 1: The MS4 implements SMPP.

Year 2: The MS4 implements SMPP.

Year 3: The MS4 implements SMPP.

Year 4: The MS4 implements SMPP.

Year 5: The MS4 implements SMPP.

Additional Info

BMP Number: _____

[Empty text box for additional information]

C.8 Pollutant Field Testing

C.9 Public Notification

C.10 Other Illicit Discharge Controls

Brief Description of BMP

The QLP regularly sponsors and co-sponsors educational and technical training workshops on a variety of stormwater management-related topics.

Measurable Goals, including frequencies

The QLP sponsored/co-sponsored activity at least once annually.

Milestones

Year 1: QLP sponsored/co-sponsored activity at least once annually.

Year 2: QLP sponsored/co-sponsored activity at least once annually.

Year 3: QLP sponsored/co-sponsored activity at least once annually.

Year 4: QLP sponsored/co-sponsored activity at least once annually.

Year 5: QLP sponsored/co-sponsored activity at least once annually.

Additional Info

BMP Number: _____

[Empty box for BMP Number]

D. Construction Site Runoff Control

Approximate date first implemented: 2013 Frequency of each BMP program: Annually/as needed

Qualifying Local Programs

Lake County has adopted a countywide Watershed Development Ordinance (WDO) that establishes the minimum stormwater management requirements for development in Lake County. The WDO, which is administered and enforced within the Village of Hawthorn Woods by the Village of Hawthorn Woods, establishes standards for Construction Site Runoff Control.

Although the Village of Hawthorn Woods intends to share responsibility for the implementation of its stormwater management program with a Qualifying Local Program (QLP), as outlined below, the primary responsibility for the implementation of the Construction Site Runoff Control MCM lies with the Village of Hawthorn Woods, as the Village of Hawthorn Woods is currently a Certified Community, as defined by the WDO.

The Lake County Stormwater Management Commission (SMC) serves as a QLP for Lake County MS4s. As a QLP, SMC performs activities related to each of the six MCMs described in the permit, including activities related to Construction Site Runoff Control. These activities provide Lake County with a baseline Countywide stormwater management program that can be built upon by each of the individual MS4s. Over the coming years, SMC plans to continue to perform a variety of activities related to the Construction Site Runoff Control MCM.

MS4 Stormwater Management Program:

In accordance with the current version of the Permit, the Village of Hawthorn Woods has developed and implemented a Construction Site Runoff Control program to reduce the amount of pollution contained in construction stormwater runoff that enters the Village of Hawthorn Woods' storm sewer system from development sites. The Village of Hawthorn Woods has adopted the Lake County WDO and is currently certified by SMC to administer and enforce the provisions of the WDO. The Village of Hawthorn Woods' designated Enforcement Officer is responsible for reviewing and permitting development plans and for administering and enforcing the provisions of the WDO within the Village of Hawthorn Woods. Following the expiration of the current version of the Permit on February 28, 2021, the Village of Hawthorn Woods plans to continue to perform a variety of activities related to the Construction Site Runoff Control MCM as described following.

D.1 Regulatory Control Program

Brief Description of BMP

The WDO is the regulatory mechanism that requires the use of soil erosion and sediment controls on development sites throughout Lake County. SMC has also created a Designated Erosion Control Inspector (DECI) program, a program designed to closely mirror the inspection requirements of IEPA's General NPDES Permit No. ILR10.

Measurable Goals (include shared responsibilities)

Measurable Goals, including frequencies

Refer to BMP's below. BMP implementation is on-going unless otherwise noted.

Milestones

Year 1: The QLP & MS4 enforce WDO and support DECI Program.

Year 2: The QLP & MS4 enforce WDO and support DECI Program.

Year 3: The QLP & MS4 enforce WDO and support DECI Program.

Year 4: The QLP & MS4 enforce WDO and support DECI Program.

Year 5: The QLP & MS4 enforce WDO and support DECI Program.

Additional Info

BMP Number: D1-1

The MS4 is a certified community. The MS4 administers and enforces the WDO provisions including plan review, permitting, inspections and enforcement.

BMP Number: D1-2

The QLP administer DECI program. The MS4 assists QLP in ensuring applicable developments comply with DECI program requirements.

D.2 Erosion and Sediment Control BMPs

Brief Description of BMP

§600 of the WDO specifies the soil erosion and sediment control measures that must be used in conjunction with any land disturbing activities conducted on a development site. SMC has also created a Designated Erosion Control Inspector (DECI) program, a program designed to closely mirror the inspection requirements of IEPA's General NPDES Permit No. ILR10.

Measurable Goals, including frequencies

The MS4 is a certified community. The MS4 administers and enforces the WDO including plan review, permitting, inspections and enforcement. BMP implementation is on-going unless otherwise noted.

Milestones

Year 1: The QLP & MS4 enforce WDO and support DECI Program.

Year 2: The QLP & MS4 enforce WDO and support DECI Program.

Year 3: The QLP & MS4 enforce WDO and support DECI Program.

Year 4: The QLP & MS4 enforce WDO and support DECI Program.

Year 5: The QLP & MS4 enforce WDO and support DECI Program.

Additional Info

BMP Number: D2-1

The QLP administers the DECI program. The MS4 assists QLP in ensuring applicable developments comply with DECI program requirements.

BMP Number: D2-2

The QLP maintain technical guidance resources, documents and offer training to accompany the WDO.

D.3 Other Waste Control Program

Brief Description of BMP

The WDO includes several provisions that address illicit discharges generated by construction sites. The applicant is required to prohibit the dumping, depositing, dropping, throwing, discarding, or leaving of litter and construction material and all other illicit discharges from entering the stormwater management system. SMC has also created a Designated Erosion Control Inspector (DECI) program, a program designed to closely mirror the inspection requirements of IEPA's General NPDES Permit No. ILR10 (including waste control requirements).

Measurable Goals, including frequencies

The MS4 is a certified community and the MS4 enforces the WDO.

Milestones

Year 1: The QLP & MS4 enforce the WDO.

Year 2: The QLP & MS4 enforce the WDO.

Year 3: The QLP & MS4 enforce the WDO.

Year 4: The QLP & MS4 enforce the WDO.

Year 5: The QLP & MS4 enforce the WDO.

Additional Info

BMP Number: _____

D.4 Site Plan Review Procedures

Brief Description of BMP

A community's designated enforcement officer is responsible for reviewing and permitting development plans and for administering and enforcing the provisions of the WDO. Within certified communities (i.e., communities certified by SMC to administer and enforce the provisions of the WDO), responsibility for reviewing and permitting development plans and for administering and enforcing the provisions of the WDO lies with the MS4; within non-certified communities, the designated enforcement officer is SMC's chief engineer. All designated enforcement officers must pass an exam in order to qualify to act as such. SMC administers this enforcement officer program, providing training on an as-needed basis to all enforcement officers to assist them in passing the exam, and maintains an up-to-date list identifying each community's designated enforcement officer. In addition to administering the enforcement officer program, SMC periodically reviews each community's WDO administration and enforcement records, using the results of such review to evaluate the performance of certified communities and designated enforcement officers.

Measurable Goals, including frequencies

Refer to BMP's below. BMP implementation is on-going unless otherwise noted.

Milestones

- Year 1: The QLP & MS4 enforce the WDO.
- Year 2: The QLP & MS4 enforce the WDO.
- Year 3: The QLP & MS4 enforce the WDO.
- Year 4: The QLP & MS4 enforce the WDO.
- Year 5: The QLP & MS4 enforce the WDO.

Additional Info

BMP Number: D4-1

The MS4 is a certified community. The MS4 will administer & enforce the WDO provisions including plan review, permitting, inspections and enforcement.

BMP Number: D4-2

The QLP provides/maintains Technical Guidance Documents.

BMP Number: D4-3

The QLP maintains Qualified Enforcement Officer List.

BMP Number: D4-4

The QLP implements community recertification process for communities seeking certified community status for the enforcement of the WDO.

D.5 Public Information Handling Procedures

Brief Description of BMP

Both the MS4 and QLP provide a number of opportunities for the receipt and consideration of information submitted by the public.

Measurable Goals, including frequencies

Document, track and respond to soil erosion and sediment control related complaints received.

Milestones

- Year 1: The QLP & MS4 implement their SMPP.
- Year 2: The QLP & MS4 implement their SMPP.
- Year 3: The QLP & MS4 implement their SMPP.
- Year 4: The QLP & MS4 implement their SMPP.
- Year 5: The QLP & MS4 implement their SMPP.

Additional Info

BMP Number: _____

D.6 Site Inspection/Enforcement Procedures

Brief Description of BMP

Article 11 of the WDO contains both recommended and minimum requirements for the inspection of development sites. Within certified communities, the community's designated enforcement officer is responsible for conducting these inspections; within non-certified communities, SMC's chief engineer is responsible for conducting these inspections. Article 12 of the WDO specifies the legal actions that may be taken and the penalties that may be imposed if the provisions of the WDO are violated.

Measurable Goals, including frequencies

The MS4 is a certified community. The MS4 will document and track the number of site inspections conducted by certified community.

Milestones

Year 1:

The QLP & MS4 implement the WDO.

Year 2:

The QLP & MS4 implement the WDO.

Year 3:

The QLP & MS4 implement the WDO.

Year 4:

The QLP & MS4 implement the WDO.

Year 5:

The QLP & MS4 implement the WDO.

Additional Info

BMP Number: _____

D.7 Other Construction Site Runoff Controls

E. Post-Construction Runoff Control

Approximate date first implemented: 2013

Frequency of each BMP program: Annually/ongoing

Qualifying Local Programs

As described above, Lake County has adopted a countywide Watershed Development Ordinance (WDO) that establishes the minimum stormwater management requirements for development in Lake County. The WDO, which is administered and enforced within the Village of Hawthorn Woods by the Village of Hawthorn Woods, establishes standards for Post-Construction Runoff Control.

Although the Village of Hawthorn Woods intends to share responsibility for the implementation of its stormwater management program with a Qualifying Local Program (QLP), as outlined below, the primary responsibility for the implementation of the Post-Construction Runoff Control MCM lies with the Village of Hawthorn Woods, as the Village of Hawthorn Woods is currently a Certified Community as defined by the WDO.

The Lake County Stormwater Management Commission (SMC) serves as a QLP for Lake County MS4s. SMC performs activities related to each of the six MCMs described in the permit, including activities related to Post-Construction Runoff Control. These activities provide Lake County with a baseline Countywide stormwater management program. QLP activities will continue to provide Lake County a baseline Countywide stormwater management program and support Lake County MS4s in the implementation of the Post-Construction Runoff Control MCM by administering and enforcing the WDO and performing other stormwater management activities. Individual MS4s can build upon the baseline Countywide stormwater management program.

MS4 Stormwater Management Program:

In accordance with the current version of the Permit, the Village of Hawthorn Woods has developed and implemented a Post-Construction Runoff Control program to reduce the amount of pollution contained in post-construction stormwater runoff that enters the Village of Hawthorn Woods' storm sewer system from development sites. The Village of Hawthorn Woods has adopted the Lake County WDO and is currently certified by SMC to administer and enforce the provisions of the WDO. The Village of Hawthorn Woods' designated Enforcement Officer is responsible for reviewing and permitting development plans and for administering and enforcing the provisions of the WDO within the Village of Hawthorn Woods. Following the expiration of the current version of the Permit on February 28, 2021, the Village of Hawthorn Woods plans to continue to perform a variety of activities related to the Post-Construction Runoff Control MCM as described herein.

Measurable Goals (include shared responsibilities)

E.1 Community Control Strategy

E.2 Regulatory Control Program

Brief Description of BMP

Proposed stormwater management strategies must address the runoff volume reduction requirements described in §503 of the WDO and must include appropriate stormwater BMPs to address the other applicable post-construction runoff control requirements of the WDO.

Measurable Goals, including frequencies

The MS4 is a certified community. The MS4 enforces the WDO.

Milestones

Year 1: The QLP & MS4 enforce the WDO.

Year 2: The QLP & MS4 enforce the WDO.

Year 3: The QLP & MS4 enforce the WDO.

Year 4: The QLP & MS4 enforce the WDO.

Year 5: The QLP & MS4 enforce the WDO.

Additional Info

BMP Number: _____

E.3 Long Term O & M Procedures

Brief Description of BMP

§401 of the WDO requires that maintenance plans be developed for all stormwater management systems and, §500 further details deed or plat restriction requirements for all stormwater management systems.

Measurable Goals, including frequencies

The MS4 is a certified community. The MS4 enforces the WDO.

Milestones

Year 1: The QLP & MS4 enforce the WDO.

Year 2: The QLP & MS4 enforce the WDO.

Year 3: The QLP & MS4 enforce the WDO.

Year 4: The QLP & MS4 enforce the WDO.

Year 5: The QLP & MS4 enforce the WDO.

Additional Info

BMP Number: E3-1

Provide sample maintenance plan to pre-WDO sites.

E.4 Pre-Construction Review of BMP Designs

Brief Description of BMP

As described above, a community's designated enforcement officer is responsible for reviewing and permitting development plans and for administering and enforcing the provisions of the WDO. This includes a review of the stormwater BMPs that will be used to meet the post-construction runoff control requirements of the WDO and adherence to the Runoff Volume Reduction (RVR) standards of §503.

Measurable Goals, including frequencies

The MS4 is a certified community. The MS4 will administer and enforce the WDO and ensure development plans address municipal established RVR goal and incorporate green infrastructure if practicable.

Milestones

Year 1: The MS4 enforces the WDO.

Year 2: The MS4 enforces the WDO.

Year 3: The MS4 enforces the WDO.

Year 4: The MS4 enforces the WDO.

Year 5: The MS4 enforces the WDO.

Additional Info

BMP Number: _____

E.5 Site Inspections During Construction

Brief Description of BMP

As described above in MCM D.6 Article 11 of the WDO contains both recommended and minimum requirements for the inspection of development sites.

Measurable Goals, including frequencies

The MS4 is a certified community. The MS4 administers and enforces the WDO.

Milestones

- Year 1: The MS4 keeps log, tracks number, and responds to soil erosion and sediment controls and post construction storm water concerns
- Year 2: The MS4 keeps log, tracks number, and responds to soil erosion and sediment controls and post construction storm water concerns
- Year 3: The MS4 keeps log, tracks number, and responds to soil erosion and sediment controls and post construction storm water concerns
- Year 4: The MS4 keeps log, tracks number, and responds to soil erosion and sediment controls and post construction storm water concerns
- Year 5: The MS4 keeps log, tracks number, and responds to soil erosion and sediment controls and post construction storm water concerns

Additional Info

BMP Number: _____

E.6 Post-Construction Inspections

Brief Description of BMP

SMC has collaborated on a number of watershed-based plans throughout the County. These watershed plans included stream and detention basin inventories. The plans also include a list of site-specific best management practices within various communities based on an assessment of these inventories and other data. SMC may assist communities in identifying potential project sites, recommended in adopted watershed plans, within their jurisdictional boundaries based on need and funding resources. Provisions of WDO §401, also requires a maintenance plan that includes the party responsible and funding sources of all stormwater management system components.

Measurable Goals, including frequencies

Refer to BMP's below. BMP implementation is on-going unless otherwise noted.

Milestones

- Year 1: The QLP & MS4 enforce WDO.
- Year 2: The QLP & MS4 enforce WDO.
- Year 3: The QLP & MS4 enforce WDO.
- Year 4: The QLP & MS4 enforce WDO.

Year 5: The QLP & MS4 enforce WDO.

Additional Info

BMP Number: E6-1

The MS4 is a certified community. The MS4 administers and enforces the WDO.

BMP Number: E6-2

The QLP develops an application, for use by MS4s, to identify adopted watershed plan recommendations within their communities.

BMP Number: E6-3

The QLP maintains Watershed Planning Status, (<https://www.lakecountyil.gov/DocumentCenter/View/10930/Watershed-Planning-Status-Map-PDF>).

BMP Number: E6-4

The QLP develops Watershed Based Plans, (<https://www.lakecountyil.gov/2437/Watershed-Management-Plans>).

BMP Number: E6-5

The MS4 considers public implementation of watershed plan recommendations as part of fiscal planning/ budgeting. Encourage property owners to implement watershed plan recommendations (streambank, shoreline, detention basin etc).

E.7 Other Post-Construction Runoff Controls

Brief Description of BMP

Through the Watershed Management Board (WMB), SMC provides partial funding for flood damage reduction and surface water quality improvement projects. The WMB, which includes representatives from the Lake Michigan, North Branch of the Chicago River, Fox River, and Des Plaines River watersheds, meets annually to review potential projects and to make recommendations on stormwater BMP project funding. Members of the WMB include chief municipal elected officials, township supervisors, drainage district chairmen, and county board members from each district found within each of Lake County's four major watersheds. The goal of the WMB program is to maximize opportunities for local units of government and other groups to have input and influence on the solutions used to address local stormwater management problems. Previous WMB-funded projects have reduced flooding, improved surface water quality, and enhanced existing stormwater management facilities throughout Lake County.

Measurable Goals, including frequencies

Refer to BMP's below. BMP implementation is on-going unless otherwise noted.

Milestones

Year 1: Implement SMPP.

Year 2: Implement SMPP.

Year 3: Implement SMPP.

Year 4: Implement SMPP.

Year 5: Implement SMPP.

Additional Info

BMP Number: E7-1

The MS4 implements street sweeping procedures described in SMPP.

BMP Number: E7-2

Inspect swales and overland flow paths for erosion and sediment accumulation, report.

BMP Number: E7-3

The QLP conducts annual WMB meeting and administers/fund grant program. The MS4 is a member of the WMB and attends annual WMB meeting.

F. Pollution Prevention/Good Housekeeping

Approximate date first implemented: 2013 Frequency of each BMP program: Annual/as needed

Qualifying Local Programs

The Village of Hawthorn Woods intends to share responsibility for the implementation of its stormwater management program with a Qualifying Local Program (QLP), as outlined below. Note, however, that the primary responsibility for the implementation of the Pollution Prevention/Good Housekeeping MCM lies with the Village of Hawthorn Woods.

The Lake County Stormwater Management Commission (SMC) serves as a QLP for Lake County MS4s. SMC performs activities related to each of the six MCMs described in the permit, including activities related to Pollution Prevention/Good Housekeeping. These activities provide Lake County with a baseline Countywide stormwater management program. QLP activities will continue to provide Lake County a baseline Countywide stormwater management program and support Lake County MS4s in the implementation of the Pollution Prevention/Good Housekeeping MCM. Individual MS4s can build upon the baseline Countywide stormwater management program.

MS4 Stormwater Management Program:

In accordance with the current version of the Permit, the Village of Hawthorn Woods has developed and implemented a Pollution Prevention/Good Housekeeping program to reduce the amount of pollution generated by municipal activities and operations. The program includes: an employee training program; an operation and maintenance program that incorporates pollution prevention and good housekeeping practices into day-to-day activities and operations; waste management and disposal procedures; and spill prevention, control and cleanup procedures. Following the expiration of the current version of the Permit on February 28, 2021, the Village of Hawthorn Woods plans to continue to perform a variety of activities related to the Pollution Prevention/Good Housekeeping MCM, as described herein.

F.1 Employee Training Program

Brief Description of BMP

The MS4's Pollution Prevention/Good Housekeeping program includes: the evaluation and improvement of municipal policies and procedures to reduce the discharge of pollutants from municipal activities and operations and a training program for municipal employees.

Measurable Goals, including frequencies

Refer to BMP's below. BMP implementation is on-going unless otherwise noted.

Milestones

Year 1: The MS4 implements SMPP.

Measurable Goals (include shared responsibilities)

- Year 2: The MS4 implements SMPP.
- Year 3: The MS4 implements SMPP.
- Year 4: The MS4 implements SMPP.
- Year 5: The MS4 implements SMPP.

Additional Info

BMP Number: F1-1

Ensure applicable Village staff trained to implement SMPP. Encourage employees to attend all relevant training sessions offered by the QLP and other entities on topics related to the goals/objectives of the Storm Water Management Program.

BMP Number: F1-2

Maintain the general facilities, municipal roads, its general facilities, and associated maintenance yards as described in the SMPP.

BMP Number: F1-3

QLP will assist Lake County MS4s with the development and implementation of their employee training programs by maintaining a list of known employee training resources and opportunities, making available a software-based employee training program, and providing technical assistance to local MS4s.

BMP Number: F1-4

The QLP will sponsor or co-sponsor a training workshop related to pollution prevention/good housekeeping or other training workshop related to IEPA's NPDES Stormwater Program.

F.2 Inspection and Maintenance Program

Brief Description of BMP

The Pollution Prevention/Good Housekeeping program described in the SMPP includes measures to reduce the amount and type of pollution that: (1) collects on streets, parking lots, open spaces, and storage and vehicle maintenance areas and is discharged into local waterways; and (2) results from actions such as environmentally damaging land development and flood management practices or poor maintenance of storm sewer systems. Clean, correct, or otherwise address identified storm and sanitary sewer trouble areas.

Measurable Goals, including frequencies

The MS4 implements Good House Keeping provisions of the SMPP including inspecting and reconditioning spreaders and spinners annually.

Milestones

- Year 1: The MS4 implements SMPP.
- Year 2: The MS4 implements SMPP.
- Year 3: The MS4 implements SMPP.
- Year 4: The MS4 implements SMPP.
- Year 5: The MS4 implements SMPP.

Additional Info

BMP Number: _____

F.3 Municipal Operations Storm Water Control

Brief Description of BMP

The SMPP identifies where maintenance of MS4 fleet is done, how lubricant and oil spills are handled, how/where road salt and chemicals are stored, and usage of salt and de-icing chemicals, etc.

Measurable Goals, including frequencies

The MS4 is to follow Snow Removal and Ice Control procedures and use and storage of chemicals, oils and lubricants as described in SMPP.

Milestones

Year 1: The MS4 to implement SMPP.

Year 2: The MS4 to implement SMPP.

Year 3: The MS4 to implement SMPP.

Year 4: The MS4 to implement SMPP.

Year 5: The MS4 to implement SMPP.

Additional Info

BMP Number: _____

F.4 Municipal Operations Waste Disposal

Brief Description of BMP

The SMPP identifies additional measures that help ensure a reduction in the amount and type of pollution that results from waste disposal operations, such as separate storm sewer systems, roads and parking lots, maintenance and storage yards (including salt/sand storage and snow disposal areas), and waste transfer stations.

Measurable Goals, including frequencies

Refer to BMP's below.

Milestones

Year 1: The MS4 to implement SMPP.

Year 2: The MS4 to implement SMPP.

Year 3: The MS4 to implement SMPP.

Year 4: The MS4 to implement SMPP.

Year 5: The MS4 to implement SMPP.

Additional Info

BMP Number: F4-1

The MS4 to remove litter/debris from MS4 property, roadway right-of-ways, facilities, park & rec areas. Collect and disposal of "road kill" and carcasses.

BMP Number: F4-2

The MS4 to implement vehicle maintenance collection and disposal (waste oil, antifreeze, batteries, tires) measures as described in SMPP.

F.5 Flood Management/Assess Guidelines

Brief Description of BMP

In working toward meeting its primary goals of flood damage reduction and surface water quality improvement, QLP follows a set of stormwater management policies that were created to define its roles and responsibilities for stormwater management in Lake County. One of these policies is to integrate multi-objective opportunities (e.g., flood damage reduction, surface water quality improvement, environmental enhancement) into SMC-sponsored projects.

Measurable Goals, including frequencies

The QLP will track number of SMC-sponsored projects that are reviewed for multi-objective opportunities, annually.

Milestones

Year 1: Implement SMPP.

Year 2: Implement SMPP.

Year 3: Implement SMPP.

Year 4: Implement SMPP.

Year 5: Implement SMPP.

Additional Info

BMP Number: _____

F.6 Other Municipal Operations Controls

Brief Description of BMP

The QLP advises MS4 communities of watershed groups addressing issues associated with the use of chlorides (i.e. road salt).

Measurable Goals, including frequencies

The QLP continues to advise MS4 communities of watershed groups addressing issues associated with the use of chlorides (i.e. road salt). SMC will make available chloride reduction documents on take-away racks and the website.

Milestones

Year 1: The MS4 to implement SMPP.

Year 2: The MS4 to implement SMPP.

Year 3: The MS4 to implement SMPP.

Year 4:

Year 5:

Additional Info

BMP Number: _____

BMPs Currently Implemented and Proposed

BMP Number	Location
	All BMPs described above are currently implemented non-structural BMPs.
	All BMPs described above are currently proposed non-structural BMPs.

Approximate Pollutant Reduction Resulting from each BMP

BMP Number	Pollutant	Reduction
	*To be added upon receipt of formal guidance issued by IEPA.	

Instream Monitoring Program

Is there an instream monitoring program currently in place? Yes No

Is an instream monitoring program currently being proposed? Yes No

If Yes, which parameters are monitored and at what frequency?

Parameter	Frequency
*See description in "other monitoring" below.	

Sediment Monitoring

Is sediment monitoring currently taking place? Yes No

If Yes, please describe the sediment sampling program.

*See description in "other monitoring" below.

Sample Monitoring of Outfalls

Is sample monitoring of outfalls currently taking place? Yes No

If Yes, list locations, pollutant parameters, and frequency of sampling.

Location	Pollutant Parameter	Frequency of Sampling
*See description in "other" below.		
*See Sec. C. IDDE BMPs above.		

Other Monitoring

Describe other types of monitoring implemented or proposed to evaluate the BMP effectiveness or water quality impact of stormwater.

There are extensive monitoring efforts already underway across the County which directly reflect the water quality of the waters within the MS4.

- The Des Plaines River Watershed Workgroup (DRWW) monitors water quality in the Des Plaines River and tributaries to accurately identify the quality of the river ecosystems as well as stressors associated with non-attainment of water quality standards and designated uses. Each Annual Report will describe the extent of the DRWW monitoring efforts.
- The Fox River Implementation Plan (FRIP) takes the place of a traditional TMDL for dissolved oxygen and nuisance algae in the Fox River. The FRSG directly coordinates with the IEPA on the efforts described in the FRIP. Each Annual Report will describe the extent of the FRSG monitoring efforts.
- The LCHD Lakes Management Unit has been collecting water quality data on Lake County lakes since the late 1960s. Since 2000, 176 different lakes each year have been studied and data collected on temperature, dissolved oxygen, phosphorus, nitrogen, solids, pH, alkalinity, chloride, conductivity, water clarity, the plant community and shoreline characteristics.

Part III. Certification

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

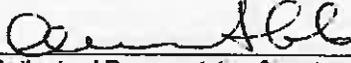
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony (415 ILCS 5/44 (h)).

Erika M. Frable

Authorized Representative Name

Director of Public Works/Village Engineer

Title



Authorized Representative Signature

02-18-21

Date

You may complete this form online and save a copy locally before printing and signing the form. It should then be sent to:

Illinois Environmental Protection Agency
Bureau of Water
Division of Water Pollution Control
Attn: Permit Section
P.O. Box 19276
1021 North Grand Avenue East
Springfield, IL 62794-9276

Information required by this form must be provided to comply with 415 ILCS 5/39 (2000). Failure to do so may prevent this form from being processed and could result in your application being denied.

