

**Preamble to Notice of Intent for Renewal of General Permit
Lake County, Illinois
Countywide Approach and Drainage Overview:
SMC as a Qualifying Local Program**

Countywide Approach

The Lake County Stormwater Management Commission (SMC) is a countywide governmental agency created by county ordinance under the authority of Illinois Revised Statute 55/5-1062. SMC's goals include the reduction of flood damage and water quality degradation and assurance that new development addresses nonpoint source pollution, does not increase flood and drainage hazards to others or create unstable conditions susceptible to erosion. To accomplish this, the SMC works cooperatively with individuals, groups, and units of government as well as serving as the corporate enforcement authority for the Lake County Watershed Development Ordinance. Certified communities are also required participants in the enforcement of the Watershed Development Ordinance. SMC utilizes technical assistance, educational programs and watershed planning to increase public awareness of natural resources and the impacts of urbanization on stormwater quality. In addition, SMC provides solutions to problems related to stormwater and identifies better ways of managing natural resources.

SMC assisted small MS4s in the development and establishment of an efficient and effective program to meet the requirements of the Illinois NPDES Phase II program via a countywide approach under the original 5-year NOI period. SMC has been implementing a comprehensive, countywide stormwater program for 11 years, which provided services under four of the six Minimum Control Measures at the issuance of the original NOI. In 2002, SMC formed an Ad Hoc Municipal Advisory Committee (MAC) specifically to advise MS4s on the NPDES Phase II Permit program. The MAC is comprised of municipal, township, drainage district, consultant and county representatives. SMC is advising and assisting the MS4s in preparing their NOIs, but will not be a permittee as it does not own or operate any sewer systems.

SMC has sponsored informational workshops and roundtable discussions and formed the Municipal Advisory Committee (MAC) to receive input on how SMC can best assist local governments during the permit application process and implementation period. Through these discussions, it was decided that each municipality (or small MS4) will submit its own "Notice of Intent" (NOI) to be covered under IEPA's statewide general permit; however, using the countywide approach municipalities may take credit for the programs and ordinances developed by SMC as well as tailor specific local BMP programs for compliance with the Phase II rules.

As part of the countywide approach to comply with the NPDES Phase II program, SMC has already provided the following assistance to municipalities at no additional cost:

- Supported NPDES II presentations to local boards,
- Developed model Notice of Intent (NOI),
- Provided countywide receiving streams map,
- Developed specific BMP Measurable Goals and program development tasks for Years 1 through 5,
- Served as clearinghouse for all support information and acts as a liaison to IEPA and USEPA,
- Supported the Municipal Advisory Committee (MAC),
- Drafted models of the Annual Performance Reports and specific BMP Measurable Goals for Years 1 through 5,
- Provided model Illicit Discharge Ordinance language and a Lake County Guidance Manual for Illicit Discharge Detection and Elimination (IDDE),
- Developed training workshops for municipal employees regarding IDDE program development, good house keeping, Managing Snow and Ice Operations to Protect Water Quality, and
- Continued to enforce and amend the Lake County Watershed Development Ordinance (WDO).

The original NOI identified various existing SMC countywide services that qualify for credit under four of the six Minimum Control Measures. These services include:

- A. **Public Education and Outreach:** SMC provides, through its Public Information Coordinator, various training workshops, homeowners workshops, brochures, training manuals, videos, etc., which qualify for credit.
- B. **Public Participation and Involvement:** SMC coordinates and participates in public meetings and committees, including the Municipal Advisory Committee (MAC), SMC Board of Commissioners, Technical Advisory Committee (TAC), citizen watershed planning committees, Watershed Management Board (WMB), and volunteer support.
- D. **Construction Site Runoff Control:** SMC adopted the countywide Watershed Development Ordinance in 1992, which establishes the minimum stormwater management requirements for development in Lake County. The WDO, which is enforced by SMC as well as by certified communities in the county, establishes standards for construction site runoff control.
- E. **Post-Construction Runoff Control:** The Watershed Development Ordinance also establishes standards for post-construction runoff control.

The MAC approach left the bulk of the remaining two Minimum Control Measures to the MS4.

- C. **Illicit Discharge Detection and Elimination:** The MS4 was responsible for creating an Illicit Discharge Detection and Elimination (IDDE) program, development of a map identifying outfalls to the drainage system, and the development of a local IDDE ordinance.
- F. **Pollution Prevention/Good House Keeping:** The MS4 was responsible for creating a Pollution Prevention/Good Housekeeping plan for municipal activities, and creating an employee training program

The MS4's have completed a Stormwater Management Program (SMP) per the first five (5) year program, as demonstrated by their individual NOI. Several communities have developed a single detailed Plan that describes their entire SMP, including each of the six (6) minimum control measures. The use of this type of document will likely enhance the efficiency of the MS4 programs and ease in reporting, training and tracking.

SMC is proposing to create a Stormwater Management Program Plan (SMPP) template that can be reviewed, revised and implemented by each MS4. With the SMPP template, MS4's can create a SMPP using the framework provided by SMC. This can be accomplished by reviewing and revising the SMC recommended Best Management Practices for Minimum Control categories into a community specific SMPP. This information would be combined with the MS4's specific approach to meeting the last two Minimum Control Measures. Toward the end result, each MS4 would have a formal SMPP, which would address each of the six Minimum Control Measures of the General Permit. Additionally, SMC will continue to foster the success of a countywide NPDES Phase II approach by continuing to provide support to local municipalities throughout the permit process and implementation phase by developing draft annual progress reports and sponsoring MAC meetings.

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
 NOTICE OF INTENT FOR NEW OR RENEWAL OF
 GENERAL PERMIT FOR DISCHARGES FROM
 SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS
 (MS4s)**

Input forms in Word format are available via email.
terri.lemasters@illinois.gov
 or by calling the Permit Section at 217/782-0610
 See address for mailing on page 4

For Office Use Only – Permit No. ILR40 _____

Part I. General Information

1. MS4 Operator Name: Village of Lincolnshire
2. MS4 Operator Mailing Address:
 Street- One Old Half Day Road City- Lincolnshire
 State- Illinois Zip Code- 60069
3. Operator Type: City
4. Operator Status: State
5. Name(s) of Governmental Entity (ies) in which MS4 is located: Lake County, Illinois
6. Area of land that drains to your MS4 (in square miles): 4.5
7. Latitude/Longitude at approximate geographical center of MS4 for which you are requesting authorization to discharge:
 Latitude: 42 11 45 Longitude: 87 55 05
DEG. MIN. SEC. DEG. MIN. SEC.
8. Name(s) of known receiving waters: Attach *additional sheets (Attachment 1) as necessary*:

<ol style="list-style-type: none"> 1. <u>Lower Des Plaines River</u> 2. <u>Indian Creek</u> 3. <u>West Fork of North Branch of Chicago River</u> 4. _____ 5. _____ 6. _____ 7. _____ 8. _____ 9. _____ 10. _____ 	<ol style="list-style-type: none"> 2. _____ 3. _____ 4. _____ 5. _____ 6. _____ 7. _____ 8. _____ 9. _____ 10. _____
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9. Persons Responsible for Implementation/Coordination of Storm Water Management Program:

<u>Name</u>	<u>Title</u>	<u>Telephone No.</u>	<u>Area of Responsibility</u>
<u>Robert Irvin</u>	<u>Village Manager</u>	<u>847-883-8600</u>	<u>Oversees Village Personnel</u>
<u>Jennifer Hughes</u>	<u>Village Engineer</u>	<u>847-883-8600</u>	<u>Implementation of Best Management Practices; Permit Compliance; Other Duties as assigned by Village Manger</u>
<u>Scott Pippen</u>	<u>Streets/ Parks Superintendent</u>	<u>847-883-8600</u>	<u>Imprlementation of Best Management Practices; Permit Compliance Reporting; Other Duties as assigned by Village Manager</u>

Part II. Best Management Practices (include shared responsibilities) Proposed to be

Implemented in the MS4 Area

(Details of BMP implementation for each checked BMP number, e.g., A.1, E.2, is required in Part IV of NOI.)

		“X” commitment	
		“-” QLP commitment related only to language in SMPP template	
QLP	MS4		
		A. Public Education and Outreach	
X	X	A.1	Distributed Paper Material
		A.2	Speaking Engagement
X	X	A.3	Public Service Announcement
X	X	A.4	Community Event
X		A.5	Classroom Education Material
X	X	A.6	Other Public Education
		B. Public Participation/Involvement	
X	X	B.1	Public Panel
		B.2	Educational Volunteer
X	X	B.3	Stakeholder Meeting
	X	B.4	Public Hearing
		B.5	Volunteer Monitoring
X		B.6	Program Coordination
-	X	B.7	Other Public Involvement
		C. Illicit Discharge Detection and Elimination	
-	X	C.1	Storm Sewer Map Preparation
X	X	C.2	Regulatory Control Program
-	X	C.3	Detection/Elimination Prioritization Plan
-	X	C.4	Illicit Discharge Tracing Procedures
-	X	C.5	Illicit Source Removal Procedures
-	X	C.6	Program Evaluation and Assessment
-	X	C.7	Visual Dry Weather Screening
	-	C.8	Pollutant Field Testing
-	X	C.9	Public Notification

		“X” commitment	
		“-” QLP commitment related only to language in SMPP template	
QLP	MS4		
		C.10 Other Illicit Discharge Controls	
		D. Construction Site Runoff Control	
X	X	D.1	Regulatory Control Program
X	X	D.2	Erosion and Sediment Control BMPs
X	X	D.3	Other Waste Control Program
X	X	D.4	Site Plan Review Procedures
X	X	D.5	Public Information Handling Procedures
X	X	D.6	Site Inspection/Enforcement Procedures
	X	D.7	Other Construction Site Runoff Controls
		E. Post-Construction Runoff Control	
		E.1	Community Control Strategy
X	X	E.2	Regulatory Control Program
X	X	E.3	Long Term O&M Procedures
X	X	E.4	Pre-Const Review of BMP Designs
X	X	E.5	Site Inspections During Construction
X	X	E.6	Post-Construction Inspections
X	X	E.7	Other Post-Const Runoff Controls
		F. Pollution Prevention/Good Housekeeping	
X	X	F.1	Employee Training Program
-	X	F.2	Inspection and Maintenance Program
-	X	F.3	Municipal Operations Storm Water Control
-	-	F.4	Municipal Operations Waste Disposal
X	-	F.5	Flood Management/Assess Guidelines
-	X	F.6	Other Municipal Operations Controls

Part III. Qualifying Local Programs

The Lake County Stormwater Management Commission (SMC) will serve as a Qualifying Local Program for MS4s in Lake County. As part of ongoing services, SMC will perform some functions related to each of the six minimum control measures, however, the MS4s will be providing additional services in their local programs, especially for Illicit Discharge Detection and Elimination and Pollution Prevention/Good Housekeeping BMPs. BMPs and measurable goals that will be performed by the QLP are described in Attachment 2.

Six Minimum Control Measures:

1. Public Education and Outreach.
2. Public Participation/Involvement.
3. Illicit Discharge Detection and Elimination.
4. Construction Site Runoff Control.
5. Post-Construction Runoff Control.
6. Pollution Prevention/Good Housekeeping.

Part IV. Measurable Goals (include shared responsibilities) Proposed to be Implemented by the MS4

Proposed BMPs are described on Attachment 3.

Part V. Certification

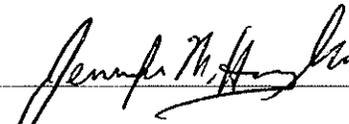
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment.

Authorized Representative Name and Title

Signature

Date

Jennifer M. Hughes, P.E., CFM, Village
Engineer



5/30/08

Mail completed form to:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
ATTN: PERMIT SECTION
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

Copy and complete this page if additional pages are necessary:

**Attachment 1
Receiving Streams (Continued)**

11. Not Applicable

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Attachment 2

Part III (Continued) Qualifying Local Programs

The Lake County Stormwater Management Commission (SMC) will serve as a Qualifying Local Program for MS4s in Lake County.

SMC is proposing to create a SMPP template that can be reviewed and revised by each MS4, to enhance their existing program. Additionally, SMC will continue to foster the success of a countywide NPDES Phase II approach by continuing to provide support to local municipalities throughout the permit process and implementation phase.

1. Public Education and Outreach.

The SMC will conduct Public Education and Outreach as part of its ongoing countywide services. Public Education and Outreach requires implementation of a program to distribute educational material to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to stormwater runoff.

BMP No. A.1: Distributed Paper Material

The SMC develops and distributes a variety of materials related to stormwater management in Lake County. A number of pamphlets and brochures related to BMPs and stormwater management have been produced. SMC prepares a quarterly newsletter, "Mainstream" as well as an Annual Report that highlights the stormwater management activities in Lake County. SMC also prepares Project Fact Sheets that provide information on ongoing and recently completed stormwater management projects. SMC has developed or collaborated on a number of manuals such as the "Riparian Areas Management: A Citizen's Guide", "A Citizen's Guide to Maintaining Stormwater Best Management Practices", and the "Streambank Stabilization Manual."

Measurable Goals: Distribute informational materials from "take away" rack at SMC. Upon request, distribute materials directly to municipalities for local distribution. Recommend measures to address this BMP in SMPP template.

BMP No. A.3: Public Service Announcement

A public service announcement related to the NPDES Phase II program will be written and included in the Quarterly Newsletter, "Mainstream." SMC will coordinate with Lake County Department of Transportation (LCDOT) to post watershed identification signage in watersheds where watershed planning activities occur.

Measurable Goals: Include public service announcement highlighting community accomplishments related to the NPDES Phase II process in "Mainstream" once annually.

Post watershed identification signage with LCDOT.

BMP No. A.4: Community Event

The SMC sponsors and co-sponsors technical training and public awareness workshops. Workshop topics include watershed tours for the public, soil erosion and sediment control technical training module, management practices to protect water quality, etc.

Measurable Goals: Conduct workshop(s) annually.

Recommend measures to address this BMP in SMPP template

BMP No. A.5: Classroom Education

The SMC will contribute to the development and compilation of a stormwater educational material kit for local teachers.

Measurable Goals: Develop and compile information for stormwater educational kit for distribution upon request.

Provide materials and training on storm sewer inlet stenciling kits to teachers upon request.

BMP No. A.6: Other Public Education

The SMC operates a website that provides many resources for citizens, developers, engineers, and municipalities. The website includes pages such as “Citizens Assistance”, “Watershed Planning”, “Projects”, “Best Management Practices”, “Publications”, “Press Releases” and “Links.” These pages provide notices of upcoming meetings and ongoing projects, allow for download of many SMC documents, and provide links to other NPDES II and BMP resources.

Measurable Goal: Maintain and update the NPDES Phase II portion SMC website with resource materials such as model ordinances, case studies and brochures.

Recommend measures to address this BMP in SMPP template.

2. Public Participation/Involvement.

The SMC will support Lake County MS4s by performing activities and services related to the Public Participation/Involvement minimum control measure.

BMP No. B.1: Public Panel

The SMC coordinates and conducts public meetings and committee meetings that include public representation. A monthly Stormwater Management Commission meeting is open to the public and also includes the SMC Board of Commissioners, which includes six municipal representatives and six county board members.

The Technical Advisory Committee (TAC) was started in 1992 to assist in the development, revision and review of the Watershed Development Ordinance (WDO) standards and administrative procedures. TAC is made up of representatives from the development, environmental, municipal and consultant engineering fields. TAC meetings are held monthly or on an as-needed basis.

The Municipal Advisory Committee (MAC) is made up of municipal, township, drainage district, consulting and county representatives. MAC has worked to coordinate and review the Notice of Intent (NOI) and other NPDES Phase II program components. The MAC will continue to meet as needed during the implementation of the NPDES Phase II stormwater management program.

The Watershed Management Boards (WMBs) meet yearly to make recommendations on BMP project funding. Members include chief municipal elected officials, township supervisors, drainage district chairs, and county board members from each district within the boundaries of the watersheds.

*Measurable Goals: Provide notice of public meetings on SMC website.
Track number of meetings conducted.*

BMP No. B.3: Stakeholder Meeting

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

*Measurable Goals: Provide notice of stakeholder meetings on SMC website.
Track number of watershed planning committee meetings conducted.
Establish watershed planning committees for each new watershed planning effort.
Recommend measures to address this BMP in SMPP template*

BMP No. B.6: Program Coordination

The Countywide Approach to NPDES Phase II Permitting Summary identifies the role of SMC as a Qualifying Local Program. The SMC proactively formed the Municipal Advisory Committee (MAC) to facilitate coordination of the NPDES Phase II stormwater program in Lake County. SMC also prepared a presentation that can be used by municipal representatives to inform their board members about the NPDES II program and how it will be implemented in Lake County through existing local resources and programs. SMC will continue to coordinate the program and provide guidance for the regulated MS4s by continuing to facilitate MAC meetings through the program implementation phase. SMC will prepare a draft report on the Qualifying Local Program activities and provide guidance to MS4s in preparing their annual reports.

*Measurable Goals: Track number of MAC meetings conducted during program implementation.
Prepare draft report on Qualifying Local Program activities at the end of each permit year, if required.*

BMP No. B.7: Other Public Involvement

Measurable Goals: Recommend measures to address this BMP in SMPP template.

3. Illicit Discharge Detection and Elimination.

MS4s are required to perform activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control. The requirements of an IDDE program include the following:

- Develop a storm sewer system map that shows the locations of all outfalls and the names and locations of all waters of the US that receive discharges from those outfalls.
- Prohibit non-storm water discharges into the storm sewer system and implement appropriate enforcement procedures and actions.
- Develop and implement a plan to detect and address illicit discharges into the storm sewer system.
- Educate public employees, businesses and general public of hazards associated with illegal discharges and improper disposal of waste.
- Identify the appropriate best management practices and measurable goals.

The SMC will provide a SMPP template that includes recommended measures to be implemented by the MS4s. Additionally, SMC is committed to providing some supporting additional functions to MS4s for meeting the Illicit Discharge Detection and Elimination minimum control.

BMP No. C.1: Storm Sewer Map Preparation

Measurable Goals: Recommend measures to address this BMP in SMPP template.

BMP No. C.2: Regulatory Control Program

The SMC provided model ordinance examples for MS4s to consider at the local level. The model ordinance language will prohibit non-storm water discharges to the storm sewer or drainage system. Additionally, the WDO includes provisions, which prohibit illegal dumping to the storm sewer or drainage system.

Measurable Goal: Continue to enforce the countywide WDO.

BMP No. C.3: Detection/Elimination Prioritization Plan

Measurable Goals: Recommend measures to address this BMP in SMPP template.

BMP No. C.4: Illicit Discharge Tracing Procedures

Measurable Goals: Recommend measures to address this BMP in SMPP template.

BMP No. C.5: Illicit Source Removal Procedures

Measurable Goals: Recommend measures to address this BMP in SMPP template.

BMP No. C.6: Program Evaluation and Assessment

Measurable Goals: Recommend measures to address this BMP in SMPP template.

BMP No. C.7: Visual Dry Weather Screening

Measurable Goals: Recommend measures to address this BMP in SMPP template.

BMP No. C.9: Public Notification

Measurable Goals: Recommended measures to address this BMP may be included in the SMPP template.

4. Construction Site Runoff Control.

Lake County has adopted a Watershed Development Ordinance (WDO) that establishes the minimum stormwater management requirements for development in Lake County. The WDO, which is enforced by SMC as well as by certified communities in the county, establishes standards for construction site runoff control.

BMP No. D.1: Regulatory Control Program

The WDO has been adopted as the regulatory mechanism to require erosion and sediment controls for construction activities in Lake County. The soil erosion and sedimentation control performance standards are included in Article IV, Section B.1.j. of the WDO. At a minimum, these standards apply to any development that hydrologically disturbs 5,000 square feet or more.

SMC initiated a Designated Erosion Control Inspector (DECI) Program, which originated out of an assessment of WDO implementation during the original NOI period. The purpose of the DECI program is to facilitate positive communication between the permit issuing agency or community and the permit holder by creating a single point of contact for soil erosion/sediment control issues with the idea that it is easier to prevent soil erosion and sediment control problems than it is to correct them after they have occurred. Further, the program is intended to improve site conditions, minimize environmental impacts, and educate contractors/developers/inspectors about proper soil erosion/sediment control Best Management Practices. The DECI program was designed to closely mirror the inspection requirements of the IEPA NPDES Phase II permit (for individual construction sites).

*Measurable Goal: Continue to enforce the countywide WDO.
Administer the DECI as outlined by the WDO.
Recommend measures to address this BMP in SMPP template.*

BMP No. D.2: Erosion and Sediment Control BMPs

Article IV, Section B.1.j of the WDO specifies the required soil erosion and sediment control measures for any land disturbance activity. This section of the WDO includes 15 requirements for soil erosion and sediment control measures including: minimize soil disturbance; protect adjoining properties from erosion and sedimentation; complete installation of soil erosion and sediment control features prior to commencement of hydrologic disturbance; stabilize disturbed areas within 14 days of active disturbance; avoid disturbance of streams and when possible, size measures appropriate to the amount of tributary drainage area; protect functioning storm sewers from sediment; prevent sediment from being tracked onto adjoining streets; limit earthen embankments to slopes of 3H:1V; identify soil stockpile areas; and utilize statewide standards and specifications as guidance for soil erosion and sediment control.

The SMC has also prepared the Technical Reference Manual (TRM) for the WDO. The TRM is used to guide compliance with the WDO and provides detailed information on soil erosion and sedimentation control BMPs. The TRM is currently being updated and expanded to include BMP guidance chapters on Wetland Areas, Public Roadways, and Ordinance Administration and Enforcement.

*Measurable Goal: Continue to enforce the countywide WDO.
Complete TRM updates, approve and publicize final TRM.
Recommend measures to address this BMP in SMPP template.*

BMP No. D.3: Other Waste Control Program

The WDO includes provisions regarding the control of waste and debris at construction sites.

*Measurable Goal: Enforce WDO provisions regarding the control of waste and debris at construction sites.
Recommend measures to address this BMP in SMPP template.*

BMP No. D.4: Site Plan Review Procedures

Within each jurisdiction, one of the primary duties of the enforcement officer is to review all Watershed Development Applications and issue permits for those projects that are in compliance with the provisions of the WDO. SMC provides training for all new enforcement officers and enforcement officers must pass an exam in order to be certified. SMC periodically reviews all certified communities' Ordinance enforcement records and performance. Ongoing updates to the TRM include the addition of sections that discuss Ordinance Administration and Enforcement.

*Measurable Goals: Track number of enforcement officers who have passed the exam.
Track number of communities that undergo a performance review.
Complete Ordinance Administration Chapter of TRM.*

Recommend measures to address this BMP in SMPP template.

BMP No. D.5: Public Information Handling Procedures

The SMC provides a number of opportunities for receipt and consideration of information submitted by the public. The Citizen Inquiry Response System (CIRS) documents and tracks the resolution of reported problems and citizen complaints. SMC's website provides information on "Who to call" for various problems or concerns. An Interagency Coordination Agreement between SMC and the U.S. Army Corps of Engineers, the Lake County Soil and Water Conservation District and the National Resources Conservation Service specifies that if any of these agencies receive a report of a soil erosion and sediment control issue, they will contact SMC. SMC will then investigate the report and prescribe corrective action to the property owner or coordinate with the certified community to find a solution.

Measurable Goal: Track number of complaints received and processed related to soil erosion and sediment control.

Recommend measures to address this BMP in SMPP template.

BMP No. D.6: Site Inspection/Enforcement Procedures

Article VI of the WDO provides both the recommended and the minimum requirements for site inspection. The enforcement officers within each certified community must conduct site inspections. SMC has direct responsibility for non-certified communities, LCDOT, and the Lake County Forest Preserve. Article VII of the WDO specifies the penalties and legal action that may be imposed if the WDO is violated. If a construction site is not in compliance with the requirements of the WDO, the jurisdictional enforcement officer may issue a stop work order on all development activity on the subject property or on the portion of the activity in direct violation of the WDO. In addition, failure to comply with any of the requirements of the WDO constitutes a violation, and any person convicted thereof may be fined.

Measurable Goals: Track number of site inspections conducted by SMC.

Recommend measures to address this BMP in SMPP template.

5. Post-Construction Runoff Control.

As described above, the Lake County Watershed Development Ordinance (WDO) establishes the minimum stormwater management requirements for development in Lake County. The WDO establishes standards for post-construction site runoff control. These standards apply to any new development or re-development, which result in over 0.5 acres of new impervious area.

BMP No. E.2: Regulatory Control Program

The WDO requires that all applicants adopt a stormwater management strategy for controlling post-construction runoff. The applicant must develop a stormwater management strategy that minimizes the increase in runoff volumes and rates and addresses the water quality treatment requirements of the WDO. The proposed drainage plan must use the runoff

reduction hierarchy in the WDO and implement BMPs as presented in the TRM. The WDO also requires the use of buffers when adjacent to existing water bodies.

*Measurable Goal: Continue to enforce the countywide WDO.
Recommend measures to address this BMP in SMPP template.*

BMP No. E.3: Long Term O&M Procedures

The WDO requires that a maintenance plan be prepared for all stormwater management system components for Major developments (as defined by the WDO). Enforcement officers may require maintenance plans to be prepared for all development sites that require a NPDES permit. The maintenance plan must include: maintenance tasks; the party responsible for performing the maintenance tasks; a description of all permanent public or private access maintenance easements and overland flow paths, and compensatory storage areas; and a description of dedicated sources of funding for the required maintenance. The TRM includes a sample maintenance plan. The Ordinance also requires that all stormwater management systems be located and described within a deed or plat restriction to ensure perpetuity and access for maintenance.

*Measurable Goal: Continue to enforce the countywide WDO.
Recommend measures to address this BMP in SMPP template.*

BMP No. E.4: Pre-Construction Review of BMP Designs

Within each jurisdiction, one of the primary duties of the enforcement officer is to review all Watershed Development Applications and issue permits for those projects that are in compliance with the provisions of the WDO. This includes a review of the proposed BMPs for post-construction runoff control.

*Measurable Goal: Continue to enforce the countywide WDO.
Recommend measures to address this BMP in SMPP template.*

BMP No. E.5: Site Inspections During Construction

Article VI of the WDO provides both the recommended and the minimum requirements for site inspection. The enforcement officers for each certified community must conduct these inspections. Enforcement officers may inspect site development at any stage in the construction process. For major developments, the enforcement officer shall conduct site inspections, at a minimum, upon completion of installation of sediment and runoff control measures and after final stabilization and landscaping, prior to removal of sediment controls.

*Measurable Goal: Continue to enforce the countywide WDO.
Recommend measures to address this BMP in SMPP template.*

BMP No. E.6: Post-Construction Inspections

(See description of the inspection program provided under E.5)

*Measurable Goal: Continue to enforce the countywide WDO.
Recommend measures to address this BMP in SMPP template.*

BMP No. E.7: Other Post-Construction Runoff Controls

Through the Watershed Management Board (WMB), SMC reviews and partially funds projects related to drainage and water quality improvements. The WMB representing the Lake Michigan, North Branch of the Chicago River, Fox and Des Plaines watersheds – meets yearly to make recommendations on project funding. Members include chief municipal elected officials, township supervisors, drainage district chairs, and county board members from each district within the boundaries of the watershed. The goal of the WMB is to maximize opportunities for local units of government and other groups to have input and influence in local stormwater management problem solving. Projects have improved quality of water in streams and swales, and have enhanced stormwater facilities.

*Measurable Goals: Conduct annual WMB meeting.
Contribute funding to water quality improvement projects, including BMP retrofits, through the WMB.*

6. Pollution Prevention/Good Housekeeping.

This minimum control measure involves the development and implementation of an operation and maintenance program to reduce the discharge of pollutants from municipal operations. This program must include a training program for municipal employees.

BMP No. F.1: Employee Training Program

The SMC will assist MS4s in developing programs for F.1 by incorporating recommended actions into the SMPP template. Additionally, SMC will serve as technical advisors and as a clearinghouse of information related to employee training BMPs and periodically offer training programs.

*Measurable Goal: Provide list of available resources to MS4s.
Provide employee training workshops.
Include training recommendations in SMPP template.*

BMP No. F.2: Inspection and Maintenance Program

Measurable Goal: Recommend measures to address this BMP in SMPP template.

BMP No. F.3: Municipal Operations Storm Water Control

Measurable Goal: Recommend measures to address this BMP in SMPP template.

BMP No. F.4: Municipal Operations Waste Disposal

Measurable Goal: Recommend measures to address this BMP in SMPP template.

BMP No. F.5: Flood Management/Assess Guidelines

By adopted policy in the Lake County Stormwater Management Plan, SMC's standard

operating procedure is to assess the feasibility of implementing water quality functions in all flood control designs. SMC will evaluate all SMC-sponsored projects for multi-objective opportunities.

Measurable Goal: Track number of projects that are reviewed for multi-objective opportunities.

BMP No. F.6: Other Municipal Operations Control

Measurable Goal: Recommend measures to address this BMP in SMPP template.

Attachment 3

Part IV. (Continued) Measurable Goals (include shared responsibilities) Proposed to be Implemented by the MS4

All Measurable Goals will be achieved on an annual basis, at a minimum. The current SMPP has established performance milestones for BMP activities under the Illicit Discharge Detection and Elimination minimum control section.

The QLP has committed to providing a SMPP template; refer to preamble and QLP sections of this NOI for additional information. The use of this type document will likely enhance the efficiency of the MS4 program and ease in reporting, training and tracking. Therefore, it is anticipated that the enhanced SMPP template will be received from SMC by mid Year 6. The MS4 will review, revise and accept the SMPP by the end of Year 6.

1. Public Education and Outreach

The MS4 is committing to conduct Public Education and Outreach as part of its permit. Public Education and Outreach requires implementation of a program to distribute educational material to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to stormwater runoff.

BMP No. A.1: Distributed Paper Material

The SMC develops and distributes a variety of materials related to stormwater management in Lake County. A number of pamphlets and brochures related to BMPs and stormwater management have been produced. The MS4 makes these publications, at a minimum, available.

*Measurable Goal(s): Implement current MS4 SMPP.
Review and revise enhanced SMPP template, provided by QLP,
language related to this provision by end of Year 6.*

BMP No. A.3 The MS4 will create Public Service announcements regarding NPDES Phase II.

The MS4 provided Public Service announcements regarding the NPDES Phase II program.

Measurable Goal(s): Prepare a public service announcement related to the NPDES Phase II program. Publish announcement annually in the monthly MS4 Newsletter

BMP No. A.4: Community Event

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 publicizes these SWALCO events.

*Measurable Goal(s): Implement current MS4 SMPP.
Review and revise enhanced SMPP template, provided by QLP,
language related to this provision by end of Year 6.*

BMP No. A.6: Other Public Education

The MS4 provides additional educational materials to the general public. This is accomplished by periodically including a water quality/ storm water section in local newsletter and maintaining links to NPDES II and BMP resources.

*Measurable Goal(s): Implement current MS4 SMPP.
Review and revise enhanced SMPP template, provided by QLP,
language related to this provision by end of Year 6.*

BMP No. A.6: The MS4 will provide additional avenues for public education regarding the NPDES Phase II.

The MS4 provides a summary of its NPDES Phase II program on its website.

Measurable Goal(s): The MS4 operates a website that provides many resources for citizens, developers, and engineers. The website includes information on community flooding concerns and links to agencies providing resources regarding drainage and stormwater activities.

2. Public Participation/Involvement

The MS4 will perform activities and services related to the Public Participation/Involvement minimum control measure.

BMP No. B.3: Stakeholder Meeting

Stakeholder meetings are conducted throughout the county for ongoing planning and project implementation efforts. When stakeholder groups (such as watershed planning committees) include the jurisdictional area of the MS4, the MS4 will publicize stakeholder meetings locally and participate by being represented at the stakeholder meetings.

Measurable Goal(s): Implement current MS4 SMPP.

BMP No. B.4: Public Hearing

MS4 will conduct a public meeting to present each annual report and on its proposed SMPP.

*Measurable Goal(s): Present summary of ongoing program implementation (annual report) at public meeting.
Present enhanced SMPP at end of Year 6 for board review and approval/acceptance.*

BMP No. B.7: Other Public Involvement

MS4 will maintain and publicize illicit discharge/illegal dumping contact numbers for citizens to report illegal dumping and suspicious discharges.

*Measurable Goal(s): Implement current MS4 SMPP.
Review and revise enhanced SMPP template, provided by QLP,
language related to this provision by end of Year 6*

3. **Illicit Discharge Detection and Elimination**

The Village will perform activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control. The majority of these activities will be related to IDDE program design. .

BMP No. C.1: Storm Sewer Map Preparation

The Village prepared an outfall map, under the original NOI, to allow for tracking of dry weather flow inspections and outfall maintenance.

*Measurable Goal(s): Maintain and update outfall map.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. C.2: Regulatory Control Program

The MS4 adopted ordinance language to prohibit non-storm water discharges to the storm sewer or drainage system, under the original NOI. Additionally, the WDO includes provisions, which prohibit illegal dumping to the storm sewer or drainage system.

Measurable Goal(s): Continue to enforce the ordinances.

BMP No. C.3: Detection/Elimination Prioritization Plan

Implement plan established during original NOI to detect and address illicit discharges. Detection methods include dry-weather screening, regular storm sewer maintenance, and public reporting. The MS4 will revise the plan to coordinate with performance milestones established in current SMPP. All outfalls observed to have dry weather flow during pre-screening (pre-screening activities completed during original NOI), to be investigated by the end of Year 8. Complete dry weather screening of all outfalls on a rotating basis with each outfall being inspected at least once every 5-years. Enhance current plan based on SMPP template and implement plan enhancements.

*Measurable Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. C.4: Illicit Discharge Tracing Procedures

Implement procedures established during original NOI to trace found/observed illicit discharges to their origin. Efforts to locate illicit discharges will be documented. Enhance current plan based on SMPP template and implement plan enhancements.

*Measurable Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. C.5: Illicit Source Removal Procedures

Implement procedures established during original NOI to remove directly connected illicit discharges (to the extent practicable), identified through the tracing program. Continue to

advertise illicit discharge/illegal dumping hotline in local newsletter and track hotline calls. Enhance current plan based on SMPP template and implement plan enhancements.

*Measurable Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. C.6 Program Evaluation and Assessment

Periodically evaluate and assess the IDDE portion of the SMPP. Collaborate and share information about IDDE program and results through MAC.

*Measurable Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. C.7: Visual Dry Weather Screening

Implement dry weather screening program, established during original NOI. Continue screening storm sewer structures as part of regular cleaning and maintenance. Continue to investigate citizen illicit discharge/illegal dumping hotline reports in the field (“reactive investigation”).

*Measurable Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. C.9: Public Notification

It is anticipated that the enhanced SMPP template may include measures beyond the current program scope.

Measurable Goal(s): Consider additional language in SMPP template language, and incorporate into program by end of Year 6.

4. Construction Site Runoff Control

Lake County has adopted a Watershed Development Ordinance (WDO) that establishes the minimum stormwater management requirements for development in Lake County. The WDO, which is enforced by SMC as well as by certified communities in the county, establishes standards for construction site runoff control.

BMP No. D.1: Regulatory Control Program

See QLP description

Measurable Goal(s): Enforce WDO.

*Administer the Designated Erosion Control Inspector Program as outlined by the WDO.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. D.2: Erosion and Sediment Control BMPs

See QLP description.

*Measurable Goal(s): Enforce WDO.
Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. D.3: Other Waste Control Program

See QLP description. *Continue Leaf Collection Program.*

*Measurable Goal(s): Enforce WDO.
Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. D.4: Site Plan Review Procedures

See QLP description. Continue to stay in good standing with SMC. Continue to review TAC meeting minutes and provide input as applicable.

*Measurable Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. D.5: Public Information Handling Procedures

See QLP description. Continue tracking number of complaints received and processed related to soil erosion and sediment control.

*Measurable Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. D.6: Site Inspection/Enforcement Procedures

See QLP description. Continue current inspection and enforcement efforts.

*Measurable Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

5. Post-Construction Runoff Control

As described above, the Lake County Watershed Development Ordinance (WDO) establishes the minimum stormwater management requirements for development in Lake County. The WDO establishes standards for post-construction site runoff control. These standards apply to any new development or redevelopment resulting in over 0.5 acres of new impervious area.

BMP No. E.2: Regulatory Control Program

See QLP description.

*Measurable Goal(s): Enforce WDO.
Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. E.3: Long Term O&M Procedures

See QLP description. Continue existing village inspection program of detention facilities.

*Measurable Goal(s): Enforce WDO.
Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. E.4: Pre-Construction Review of BMP Designs

See QLP description.

*Measurable Goal(s): Enforce WDO.
Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. E.5: Site Inspections During Construction

See QLP description.

*Measurable Goal(s): Enforce WDO.
Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. E.6: Post-Construction Inspections

See QLP description.

*Measurable Goal(s): Enforce WDO.
Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

6. Pollution Prevention/Good Housekeeping

This minimum control measure involves the development and implementation of an operation and maintenance program to reduce the discharge of pollutants from municipal operations. This program includes a training program for municipal employees.

BMP No. F.1: Employee Training Program

Implement training program, established under original NOI, for municipal employees. SMC, the Qualifying Local Program, will serve as a clearinghouse of these materials.

*Measurable Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. F.2: Inspection and Maintenance Program

The Pollution Prevention/Good Housekeeping program completed under the original NOI 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 Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. F.3: Municipal Operations Storm Water Control

The program completed under the original NOI identifies where maintenance and washing of MS4 fleet is done, how lubricant and oil spills are handled, how/where road salt and chemicals are stored, etc.

*Measurable Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. F.4: Municipal Operations Waste Disposal

The program completed during the original NOI helps 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 Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

F.6 Other Municipal Operations Control

It is anticipated that the enhanced SMPP template may include measures beyond the current program scope.

Measurable Goal(s): Consider additional language in SMPP template language, and incorporate into program by end of Year 6.

MS4 Annual Facility Inspection Report

**Illinois Environmental Protection Agency
National Pollutant Discharge Elimination System Phase II**

Permit Year 5: March 2007 to March 2008

Village of Lincolnshire

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Part A. Changes to Best Management Practices

Note: X indicates BMPs performed that were proposed in your NPDES permit
 ✓ indicates changes to BMPs proposed in your NPDES permit

Year 1	Year 2	Year 3	Year 4	Year 5		Year 1	Year 2	Year 3	Year 4	Year 5	
MS4						MS4					
A. Public Education and Outreach						D. Construction Site Runoff Control					
X	X	X	X	X	A.1 Distributed Paper Material	X	X	X	X	X	D.1 Regulatory Control Program
					A.2 Speaking Engagement	X	X	X	X	X	D.2 Erosion and Sediment Control BMPs
X	X	X	X	X	A.3 Public Service Announcement						D.3 Other Waste Control Program
X	✓	X	X	X	A.4 Community Event	X	X	X	X	✓	D.4 Site Plan Review Procedures
					A.5 Classroom Education Material	X	X	X	X	X	D.5 Public Information Handling Procedures
X	X	X	X	X	A.6 Other Public Education	X	X	X	✓	X	D.6 Site Inspection/Enforcement Procedures
B. Public Participation/Involvement						X	X	X	X	X	D.7 Other Construction Site Runoff Controls
X	X	X	X	X	B.1 Public Panel						
					B.2 Educational Volunteer	X	X		X	X	
X	X	X	X	X	B.3 Stakeholder Meeting						
X	X	X	X	✓	B.4 Public Hearing						
					B.5 Volunteer Monitoring	E. Post-Construction Runoff Control					
					B.6 Program Coordination						E.1 Community Control Strategy
X	X	X	X	X	B.7 Other Public Involvement	X	X	X	X	X	E.2 Regulatory Control Program
C. Illicit Discharge Detection and Elimination						X	X	X	X	X	E.3 Long Term O&M Procedures
X	X	X	X	X	C.1 Storm Sewer Map Preparation						E.4 Pre-Const Review of BMP Designs
X	X	X	X	X	C.2 Regulatory Control Program	X	X	X	X	X	E.5 Site Inspections During Construction
X	X	X	X	X	C.3 Detection/Elimination Prioritization Plan	X	X	X	X	X	E.6 Post-Construction Inspections
X	X	X	X	X	C.4 Illicit Discharge Tracing Procedures	X	X	X	X	X	E.7 Other Post-Const Runoff Controls
X	X	X	X	X	C.5 Illicit Source Removal Procedures	F. Pollution Prevention/Good Housekeeping					
		✓	✓	X	C.6 Program Evaluation and Assessment	X	X	X	X	X	F.1 Employee Training Program
X	X	X	X	X	C.7 Visual Dry Weather Screening	X	X	X	X	X	F.2 Inspection and Maintenance Program
X	X	✓	✓	✓	C.8 Pollutant Field Testing			X	X	X	F.3 Municipal Operations Storm Water Control
X	X	X	X	X	C.9 Public Notification						F.4 Municipal Operations Waste Disposal
X	X	X	X	X	C.10 Other Illicit Discharge Controls						F.5 Flood Management/Assess Guidelines
						X	X	X	X	X	F.6 Other Municipal Operations Controls

Changes in BMPs in Year 1 are described below.

No changes have been made to Year 1 BMPs since the original permit.

Changes in BMPs in Year 2 are described below.

A.4 Community Event

Measurable Goals: Conduct soil erosion and sediment control workshop (bi-annual workshop scheduled to be conducted in 2004).

QLP change: SMC held a countywide workshop on Maintenance of Stormwater Facilities for members of Homeowner's Associations. The workshop had approximately 100 attendees and included a presentation by Lake Zurich on their detention retrofits and information on why maintenance is required and necessary.

MS4 Change: In lieu of attending the SMC workshop, Village Public Works personnel attended a meeting entitled "Enhancing the States' Lake Management Programs – Protecting lakes and reservoirs in urbanizing areas." The Chicago Botanic Garden, USEPA, and the North American Lake Management Society presented the conference.

Changes in BMPs in Year 3 are described below.

C.6 Program Evaluation and Assessment

Measurable Goal(s): Beginning in year three, the MS4 will keep statistics to evaluate the effectiveness of the illicit discharge detection and elimination program. MS4 Staff will analyze the program and make adjustments to improve effectiveness. An annual report assessing the effectiveness of the program will be prepared.

MS4 Change: The MS4 planned to prepare an annual effectiveness and assessment report. This activity was not completed in Year 3 due to time constraints. The goal will be carried over to Year 4.

C.8 Pollutant Field Testing

Measurable Goal(s), including frequencies: Adopt ordinance amendment by end of Year 4.

MS4 Change: This activity was not completed in Year 3 due to time constraints. The goal will be carried over to Year 4.

Changes in BMPs in Year 4 are described below.

C.6 The MS4 will evaluate and assess its illicit discharge detection program.

Measurable Goal(s): Beginning in year three, the MS4 will keep statistics to evaluate the effectiveness of the illicit discharge detection and elimination program. MS4 Staff will analyze the program and make adjustments to improve effectiveness. An annual report assessing the effectiveness of the program will be prepared.

Year 4: The MS4 will prepare an annual effectiveness and assessment report.

MS4 Change: The MS4 planned to prepare an annual effectiveness and assessment report. This activity was not completed in Year 4 due to time constraints. The goal will be carried over to Year 5.

C.8 In order to fully investigate dry weather flow, the MS4 will conduct pollutant field-testing where field conditions warrant it.

Measurable Goal(s): Adopt ordinance amendment by end of Year 4.

Year 4: The MS4 will utilize information obtained from the QLP to implement and conduct pollutant field-testing as necessitated by field conditions.

MS4 Change: The MS4 postponed implementation of the pollutant field testing from Year 4 to Year 5 pending receipt of additional guidance from the QLP.

D.5 The MS4 responds to information submitted by the public. The MS4 maintains a website where the public may obtain information on “Who to Call.”

Measurable Goal(s): The MS4 will update its website to provide “Who to Call” information. The MS4 will adopt a tracking system for complaints received and processed related to soil erosion and sediment control.

Year 4: Revise the tracking system for complaints received and processed related to soil and erosion and sediment control to make use of the Building Permit software implemented by the Village in 2006.

MS4 Change: The MS4 currently tracks complaints through a manual work order system. The tracking was to be included in the Building Permit Software. However, delays in bringing the software online have postponed the inclusion until 2007.

Changes in BMPs in Year 5 are described below.

B.4 The MS4 will conduct a public meeting or public hearing on its proposed stormwater management plan. Each MS4 will meet its own requirements for conducting public meetings or hearings.

Measurable Goal(s): Present Municipal NPDES Phase II presentation to municipal or governing board. Present summary of ongoing program implementation at least once annually at public meeting.

Year 5: Present ongoing program summary at annual public meeting.

The MS4 did not discuss the NPDES program during a public meeting. However, the MS4’s program was outlined in the August 2007 Village Newsletter. The Village has participated in the Lake County Municipal Advisory Committee. The meetings of this committee are open to the public and public notice is provided by Lake County.

C.8 In order to fully investigate dry weather flow, the MS4 will conduct pollutant field-testing where field conditions warrant it.

Measurable Goal(s): Adopt ordinance amendment by end of Year 4.

Year 5: The MS4 will utilize information obtained from the QLP to implement and conduct pollutant field-testing as necessitated by field conditions.

Staff reviewed the ordinance on February 14, 2008 and found that it continues to meet the requirements of the Village.

The Measurable Goal as stated for this BMP was not applicable this year.

D.3 The MS4 will adopt the revised WDO amendments addressing the control of waste and debris at construction sites.

Measurable Goal(s), including frequencies: The MS4 will adopt the revised WDO amendments addressing the control and debris at construction sites within six months of the receipt of the final version of said amendments. The MS4 will notify SMC and the contractor of any violations of the WDO noted during the MS4's inspections of construction sites.

Year 5: Adopt the revised WDO amendments addressing the control and debris at construction sites, subject to SMC providing the revised WDO.

The WDO was not revised during the reporting period. Therefore, adoption was not necessary.

Part B. Status of Compliance with Permit Conditions

The status of BMPs and measurable goals performed in Year 5 is described below.

1. Public Education and Outreach

The MS4 is committing to conduct Public Education and Outreach as part of its permit. Public Education and Outreach requires implementation of a program to distribute educational material to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to stormwater runoff. The MS4 commits to implementation of BMPs related to A.1, A.3, A.4, and A.6 as described below.

A.1 The MS4 will distribute publications received from SMC to local target groups.

Measurable Goal(s): Make available and distribute two manuals "A Citizen's Guide to Maintaining Stormwater Best Management Practices" and "Living With Wetlands: A Handbook for Homeowners in Northeastern Illinois" to local entities such as homeowners associations and stakeholder groups.

Year 5: Identify additional local target groups and distribute manuals to the new groups as appropriate. Distribute additional resources as appropriate.

The MS4 made available "A Citizen's Guide to Maintaining Stormwater Best Management Practices" and "Living with Wetlands: a Handbook for Homeowners in Northeastern Illinois" to Homeowners Associations and the general public through notification in the Village Newsletter that the pamphlets are available at the Village Hall in Year 5.

A.3 The MS4 will create Public Service announcements regarding NPDES Phase II.

Measurable Goal(s): Prepare a public service announcement related to the NPDES Phase II program. Publish announcement annually in the monthly MS4 Newsletter.

Year 5: Include public service announcement in MS4 Newsletter once annually.

The MS4 placed an article pertaining to the NPDES Phase II program in the August 2007 Village Newsletter.

A.4 The MS4 will publicize community events sponsored by the QLP.

Measurable Goal(s): Place notices of workshops offered by the QLP in the MS4's newsletter.

Year 5: Participate in workshop.

The MS4 placed an article pertaining to the QLP's sale of rain barrels in the February 2008 Village Newsletter.

MS4 personnel participated in the APWA-sponsored NPDES Phase II workshop.

A.6 The MS4 will provide additional avenues for public education regarding the NPDES Phase II.

Measurable Goal(s): The MS4 operates a website that provides many resources for citizens, developers, and engineers. The website includes information on community flooding concerns and links to agencies providing resources regarding drainage and stormwater activities.

Year 5: Maintain and update the MS4's website. Include a copy of the MS4's Notice of Intent for General Permit for Discharges from Small Municipal Separate Storm Sewer Systems for Year 4 on the MS4's website.

The Notice of Intent and the Year 5 update is available on the MS4's at website at www.village.lincolnshire.il.us.

2. Public Participation/Involvement

The MS4 will perform activities and services related to the Public Participation/Involvement minimum control measure. BMPs will be implemented under BMP numbers B.1, B.3, B.4, and B.7 as described below.

B.1 The SMC has convened the Municipal Advisory Committee (MAC) to address components of the NPDES Phase II program. MS4 Staff regularly attend the meetings of the MAC.

Measurable Goal(s): Track the number of meetings attended by MS4 Staff.

Year 5: Attend a minimum of one MAC meeting per year in which the meetings are offered by SMC.

MS4 personnel attended 4 of the MAC meetings during Year 5 of the permit. In addition, Village Engineer Jennifer Hughes served as Chair of the MAC in years 3, 4 and 5 of the reporting period.

B.3 Stakeholder meetings are conducted throughout the county for ongoing planning and project implementation efforts. When stakeholder groups (such as watershed planning committees) include the jurisdictional area of the MS4, the MS4 will publicize stakeholder meetings locally and participate by being represented at the stakeholder meetings.

Measurable Goal(s): Publicize and participate in relevant watershed planning committees and other stakeholder groups.

Year 5: The MS4 will attend a minimum of one watershed planning committee meeting for each of the receiving waters if such a meeting is held.

MS4 personnel attended meetings of the following groups:

Upper Des Plaines River Ecosystem Partnership – 3 meetings

North Branch Chicago River Watershed Open Space Planning Committee (NBCR) – 1 meeting

B.4 The MS4 will conduct a public meeting or public hearing on its proposed stormwater management plan. Each MS4 will meet its own requirements for conducting public meetings or hearings.

Measurable Goal(s): Present Municipal NPDES Phase II presentation to municipal or governing board. Present summary of ongoing program implementation at least once annually at public meeting.

Year 5: Present ongoing program summary at annual public meeting.

The MS4 did not discuss the NPDES program during a public meeting. However, the MS4's program was outlined in the August 2007 Village Newsletter. The Village has participated in the Lake County Municipal Advisory Committee. The meetings of this committee are open to the public and public notice is provided by Lake County.

B.7 Create permanent advisory panel for program implementation. At a minimum, this should be an ad hoc committee to discuss ongoing program implementation issues.

Measurable Goal(s): Create advisory panel or ad hoc committee and hold at least two meetings per year. This panel or committee should have input on program implementation and should review the annual report for the MS4.

Year 5: Conduct a minimum of one meeting of the advisory committee.

The committee met on February 14, 2008.

3. Illicit Discharge Detection and Elimination

The MS4 will perform activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control. The majority of these activities will be related to IDDE program design. The requirements of an IDDE program include the following:

- Develop a storm sewer system map that shows the locations of all outfalls and the names and locations of all water of the US that receive discharges from those outfalls.
- Prohibit non-storm water discharges into the storm sewer system and implement appropriate enforcement procedures and actions.
- Develop and implement a plan to detect and address illicit discharges into the storm sewer system.
- Educate public employees, businesses and general public of hazards associated with illegal discharges and improper disposal of waste.
- Identify the appropriate best management practices and measurable goals.

BMPs will be implemented under BMP numbers C.1, C.2, C.3, C.4, C.5, C.6, C.7, C.8, C.9 and C.10 as described below.

C.1 Prepare outfall map to allow for tracking of dry weather flow inspections and outfall maintenance. This map will be based upon information included in the MS4 Geographic Information System (GIS.)

Measurable Goal(s): The MS4 will map all storm sewer outfalls discharging to Waters of the United States. Each outfall will be field verified and given a unique identifier to be used to document inspections. The map will be regularly updated as improvements or new developments occur.

Year 5: The MS4 will continue to update the outfall map on an as needed basis.

The MS4 continues to update based upon new developments.

C.2 Review, consider and adopt ordinance language to prohibit non-storm water discharges to the storm sewer or drainage system.

Measurable Goal(s): Review the ordinance prohibiting non-stormwater discharges to the storm sewer or drainage system. Revise the ordinance if revisions are necessary.

Year 5: Enforce the local ordinance. Review and revise the ordinance, if necessary.

The MS4 adopted Ordinance 05-1957-21 on March 14, 2005. Staff reviewed the ordinance on February 14, 2008 and found that it continues to meet the requirements of the Village. Therefore, no revisions are necessary at this time.

C.3 The MS4 will prepare a prioritization plan for detection/elimination programs based upon the potential for impact to the receiving waters.

Measurable Goal(s): Adopt a prioritization plan.

Year 5: Review and revise, if necessary, the prioritizations plan.

The MS4's NPDES Phase II Committee reviewed the prioritization plan on February 14, 2008 and determined that no changes are necessary

C.4 Develop or adopt standard procedures for identifying the source of an illicit discharge.

Measurable Goal(s): The MS4 will develop or adopt procedures for source identification of a detected illicit discharge. The program will include procedures for tracing the discharge upstream from the outfall to the source. The program will also include procedures for notifying property owners when the MS4 is required to enter private property to investigate a discharge source.

Year 5: The MS4 will continue to employ the illicit discharge tracing procedures. The procedure will be reviewed and, if necessary, will be revised.

Staff reviewed the ordinance on February 14, 2008 and found that it continues to meet the requirements of the Village.

C.5 Establish procedures for eliminating the illicit discharge once the source is determined.

Measurable Goal(s): The MS4 will develop procedures for illicit discharge elimination.

Year 5: The MS4 will continue to employ the illicit discharge tracing procedures. The procedure will be reviewed and, if necessary, will be revised.

Staff reviewed the ordinance on February 14, 2008 and found that it continues to meet the requirements of the Village.

C.5 Provide a convenient location where the general public can dispose of common household pollutants.

Measurable Goal(s): Prepare a public service announcement related to periodic collection events held by the Solid Waste Agency of Lake County (SWALCO).

Year 5: Include public service announcement in MS4 Newsletter once annually.

The MS4 included articles about SWALCO in the June, and September 2007. The MS4 also provided a link to SWALCO's website on its website.

C.6 The MS4 will evaluate and assess its illicit discharge detection program.

Measurable Goal(s): Beginning in year three, the MS4 will keep statistics to evaluate the effectiveness of the illicit discharge detection and elimination program. MS4 Staff will analyze the program and make adjustments to improve effectiveness. An annual report assessing the effectiveness of the program will be prepared.

Year 5: The MS4 will prepare an annual effectiveness and assessment report.

Staff reviewed the ordinance on February 14, 2008 and found that it continues to meet the requirements of the Village.

C.7 Provide standard procedures that can be used to detect non-storm water flows.

Measurable Goal(s): The MS4 will develop an annual dry weather flow inspection program that involves visual inspection of all outfalls servicing commercial and industrial areas. In addition, the outfalls servicing residential areas will be inspected with the goal of inspecting all residential outfalls over the permit period. The program will include outfall inspection worksheets that will be kept on file for at least five years.

Measurable Goal(s), including frequencies: The Village will develop procedures for illicit discharge elimination.

Year 5: The MS4 will continue its dry weather flow inspection program.

The MS4 contracted a report from Conserv FS for their North Park Complex Detention Pond and the Chicago River. The report measured Water Characteristics, Impact on Plant Growth, Impact from Leaf and Root Contact and Impact on Soil Structure. The report is dated 5/8/07.

The MS4 conducted visual dry weather flow inspections in August 2007. The MS4 did not detect any dry weather flows.

C.8 In order to fully investigate dry weather flow, the MS4 will conduct pollutant field-testing where field conditions warrant it.

Measurable Goal(s): Adopt ordinance amendment by end of Year 4.

Year 5: The MS4 will utilize information obtained from the QLP to implement and conduct pollutant field-testing as necessitated by field conditions.

Staff reviewed the ordinance on February 14, 2008 and found that it continues to meet the requirements of the Village.

The Measurable Goal as stated for this BMP was not applicable this year.

C.9 Provide public notification of the MS4's illicit discharge detection and elimination program.

Measurable Goal(s): Prepare a public service announcement related to the MS4's illicit discharge detection and elimination program.

Year 5: Include public service announcement in MS4's newsletter once annually.

The MS4 included an article about illicit discharge detection and elimination in the July 2007 Village Newsletter.

C.10 Establish procedure that can be utilized by homeowners/citizens to report illicit discharges/illegal dumping.

Measurable Goal(s): The Village will develop a hotline or website page for citizens to report illegal dumping and suspicious discharges. The hotline will be established in the first year. The hotline will be advertised by placement of one ad in the MS4's monthly newsletter 6 months.

Year 5: Include public service announcement in MS4's newsletter twice annually.

The MS4 included an article about illicit discharges/illegal dumping in the "Did You Know" section of the monthly Village Newsletter.

C.10 Educate business owners on the differences between sanitary and storm sewers and the proper use of each.

Measurable Goal(s): The MS4 will publish information annually on the differences between sanitary and storm sewers and their proper use in the MS4's monthly newsletter.

Year 5: Include public service announcement in MS4's newsletter once annually.

The MS4 included an article about sewers in the November 2007 Village Newsletter.

C.10 Educate homeowners on the adverse environmental impacts on storm water quality caused by improper waste disposal.

Measurable Goal(s): The MS4 will develop and distribute a brochure addressing the impacts of improper waste disposal on storm water quality. The brochure will be aimed at educating business owners and residents.

Year 5: Identify local target groups and distribute manuals to groups as appropriate.

The MS4 identified two EPA documents: "Protecting Water Quality from Urban Runoff" and "After the Storm" which will address the impacts of improper waste disposal on stormwater quality. These documents were made available at the Village Hall.

4. Construction Site Runoff Control

Lake County has adopted a Watershed Development Ordinance (WDO) that establishes the minimum stormwater management requirements for development in Lake County. The WDO, which is enforced by SMC as well as by certified communities in the county, establishes standards for construction site runoff control. The enforcement of the WDO implements BMPs under BMP numbers D.1, D.2, D.3, D.4, D.5, D.6, and D.7 as described below.

D.1 The MS4 has adopted the Watershed Development Ordinance into the Municipal Code of the Village of Lincolnshire by reference. The MS4 will require that any site that disturbs 5,000 square feet or more obtain a permit from the Lake County Stormwater Management Commission in accordance with the Watershed Development Ordinance. Where the MS4 may issue a permit in accordance with a letter of understanding dated February 11, 1999 between the Lake County Stormwater Management Commission

and the Village of Lincolnshire, the MS4 will require erosion and sediment controls in accordance with Article IV, Section B.1.j. of the WDO.

Measurable Goal(s): The MS4 will ensure that SMC has issued a watershed development permit prior to issuing a building permit for the site. If so authorized by a letter of understanding, the MS4 will enforce the applicable provisions of the WDO. The MS4 will notify SMC and the contractor of any violations of the WDO noted during the MS4's inspections of construction sites.

Year 5: Continue to enforce the WDO. The MS4 will adopt revisions to the WDO as they become available from SMC.

The MS4 continues to enforce the WDO to the extent of its authority to do so.

D.2 The MS4 will require that any site with land disturbance activity obtain a permit from the Lake County Stormwater Management Commission in accordance with the Watershed Development Ordinance. Where the Village may issue a permit in accordance with a letter of understanding dated February 11, 1999 between the Lake County Stormwater Management Commission and the Village of Lincolnshire, the MS4 will review the plans to ensure compliance with Article IV, Section B.1.j of the WDO.

Measurable Goal(s): The MS4 will ensure that SMC has issued a watershed development permit prior to issuing a building permit for the site. If so authorized by a letter of understanding, the MS4 will enforce the applicable provisions of the WDO. The MS4 will notify SMC and the contractor of any violations of the WDO noted during the MS4's inspections of construction sites.

Year 5: Continue to enforce the WDO by ensuring that SMC has issued a permit for development.

The MS4 continues to enforce the WDO to the extent of its authority to do so.

D.3 The MS4 will adopt the revised WDO amendments addressing the control of waste and debris at construction sites.

Measurable Goal(s), including frequencies: The MS4 will adopt the revised WDO amendments addressing the control and debris at construction sites within six months of the receipt of the final version of said amendments. The MS4 will notify SMC and the contractor of any violations of the WDO noted during the MS4's inspections of construction sites.

Year 5: Adopt the revised WDO amendments addressing the control and debris at construction sites, subject to SMC providing the revised WDO.

The WDO was not revised during the reporting period. Therefore, adoption was not necessary.

D.4 Although the MS4 has elected to remain a non-certified community as defined in the WDO, Staff members are trained in the enforcement of the WDO. Staff member(s) will take the SMC enforcement officers' exam.

Measurable Goal(s): The MS4 will require that at least one member of its staff has passed the enforcement officer's exam or that it employs a consultant to review plans who has at least one staff member who has passed the exam.

Year 5: Continue track the number of MS4 staff members who have passed the exam.

The Village Engineer and the Building and Engineering Inspector are the staff members who have obtained this certification.

D.4 The MS4 conducts site plan reviews in conjunction with the issuance of permits. The MS4 has established review checklists to ensure that stormwater management systems are reviewed.

Measurable Goal(s): The MS4 will ensure that SMC has issued a watershed development permit prior to issuing a building permit for the site. If so authorized by a letter of understanding, the MS4 will enforce the applicable provisions of the WDO.

Year 5: Continue to enforce the WDO by ensuring that SMC has issued a permit for development.

The MS4 continues to enforce the WDO to the extent of its authority to do so.

D.5 The MS4 responds to information submitted by the public. The MS4 maintains a website where the public may obtain information on “Who to Call.”

Measurable Goal(s): The MS4 will update its website to provide “Who to Call” information. The MS4 will adopt a tracking system for complaints received and processed related to soil erosion and sediment control.

Year 5: Revise the tracking system for complaints received and processed related to soil and erosion and sediment control to make use of the Building Permit software implemented by the Village in 2006.

The MS4 currently tracks complaints through a manual work order system. The tracking is also included in the Building Permit Software. The Village did not receive one complaint related to soil erosion and sediment control in this reporting period.

D.6 Article VI of the WDO provides both the recommended and the minimum requirements for site inspection. The enforcement officers within each certified community must conduct site inspections. SMC has direct responsibility for non-certified communities, LCDOT, and the Forest Preserve. Article VII of the WDO specifies the penalties and legal action that may be imposed if the WDO is violated. If a construction site is not in compliance with the requirements of the WDO, the jurisdictional enforcement officer may issue a stop work order on all development activity on the subject property or on the portion of the activity in direct violation of the WDO. In addition, failure to comply with any of the requirements of the WDO constitutes a violation, and any person convicted thereof may be fined. Although the MS4 has elected to remain a non-certified community as defined in the WDO, the MS4 regularly conducts site inspections. Where violations of the WDO are found, Staff notifies the contractor and reinspects the site for compliance. Upon a second inspection, if the site remains in noncompliance, MS4 Staff notified SMC of the violation.

Measurable Goal(s): The MS4 will ensure that SMC has issued a watershed development permit prior to issuing a building permit for the site. If so authorized by a letter of understanding, the MS4 will enforce the applicable provisions of the WDO. The MS4 will track the number of site inspections conducted by the MS4.

Year 5: Track number of site inspections conducted by the MS4.

The MS4 conducted approximately 129 site inspections during Year 5.

5. Post-Construction Runoff Control

As described above, the Lake County Watershed Development Ordinance (WDO) establishes the minimum stormwater management requirements for development in Lake County. The WDO establishes standards for post-construction site runoff control. These standards apply to any new development or redevelopment resulting in over 0.5 acres of new impervious area. The enforcement of the WDO implements BMPs under BMP numbers E.2, E.3, E.4, E.5, and E.6 as described below.

E.2 The WDO requires that all applicants adopt a stormwater management strategy for controlling post-construction runoff. The applicant must develop a stormwater management strategy that minimizes the increase in runoff volumes and rates and addresses the water quality treatment requirements of the WDO. The proposed drainage plan must use the runoff reduction hierarchy in the WDO and implement BMPs as presented in the TRM. The WDO also requires the use of buffers when adjacent to existing water bodies.

Measurable Goal(s): The MS4 will ensure that SMC has issued a watershed development permit prior to issuing a building permit for the site. If so authorized by a letter of understanding, the MS4 will enforce the applicable provisions of the WDO.

Year 5: Continue to enforce the WDO by ensuring that SMC has issued a permit for development.

The MS4 continues to enforce the WDO to the extent of its authority to do so. The MS4 does not issue permits until SMC has issued a permit, if so required.

E.3 The WDO requires that a maintenance plan be prepared for all stormwater management system components for Major developments (as defined by the WDO). Enforcement officers may require maintenance plans to be prepared for all development sites that require a NPDES permit. The maintenance plan must include: maintenance tasks; the party responsible for performing the maintenance tasks; a description of all permanent public or private access maintenance easements and overland flow paths, and compensatory storage areas; and a description of dedicated sources of funding for the required maintenance. The TRM includes a sample maintenance plan.

Measurable Goal(s): The MS4 will ensure that SMC has issued a watershed development permit prior to issuing a building permit for the site. If so authorized by a letter of understanding, the MS4 will enforce the applicable provisions of the WDO.

Year 5: Continue to enforce the WDO by ensuring that SMC has issued a permit for development.

The MS4 continues to enforce the WDO to the extent of its authority to do so. The MS4 does not issue permits until SMC has issued a permit, if so required.

E.4 within each jurisdiction, one of the primary duties of the enforcement officer is to review all Watershed Development Applications and issue permits for those projects that are in compliance with the provisions of the WDO. This includes a review of the proposed BMPs for post-construction runoff control. Although the MS4 is not a certified community, we require that SMC issue a permit before the MS4 issues permits.

Measurable Goal(s): The MS4 will ensure that SMC has issued a watershed development permit prior to issuing a building permit for the site. If so authorized by a letter of understanding, the MS4 will enforce the applicable provisions of the WDO.

Year 5: Continue to enforce the WDO by ensuring that SMC has issued a permit for development.

The MS4 continues to enforce the WDO to the extent of its authority to do so. The MS4 does not issue permits until SMC has issued a permit, if so required.

E.5 Article VI of the WDO provides both the recommended and the minimum requirements for site inspection. The enforcement officers for each certified community must conduct these inspections. Enforcement officers may inspect site development at any stage in the construction process. For major developments, the enforcement officer shall conduct site inspections, at a minimum, upon completion of installation of sediment and runoff control measures and after final stabilization and landscaping, prior to removal of sediment controls.

Measurable Goal(s): The MS4 will ensure that SMC has issued a watershed development permit prior to issuing a building permit for the site. If so authorized by a letter of understanding, the MS4 will enforce the applicable provisions of the WDO.

Year 5: Continue to enforce the WDO by ensuring that SMC has issued a permit for development.

The MS4 continues to enforce the WDO to the extent of its authority to do so. The MS4 does not issue permits until SMC has issued a permit, if so required.

E.6 See description of the inspection program provided under E.5.

Measurable Goal(s): See description of the inspection program provided under E.5.

Year 5: Continue to enforce the WDO by ensuring that SMC has issued a permit for development.

The MS4 continues to enforce the WDO to the extent of its authority to do so. The MS4 does not issue permits until SMC has issued a permit, if so required.

6. Pollution Prevention/Good Housekeeping

This minimum control measure involves the development and implementation of an operation and maintenance program to reduce the discharge of pollutants from municipal operations. This program must include a training program for municipal employees. MS4s will perform BMPs under BMP number F.1, F.2, and F.6 described below.

F1The MS4 will develop a training program for municipal employees. This program may be based on existing training programs that the MS4 currently conducts. Any new training materials will be developed based on guidance that is widely available. SMC, the Qualifying Local Program, will serve as a clearinghouse of these materials. The training program may be updated and expanded as the MS4 implements its stormwater management program.

Measurable Goal(s): Develop municipal employee training program. Conduct annual training for employees that will implement or utilize BMPs.

Year 5: Train municipal employees in relevant positions and update program as needed.

The MS4 trained its staff on general Municipal Operations and Good Housekeeping practices as a component of its snow and ice control training in November 2007.

F.1 Educate MS4 employees on pollution prevention measure for ground maintenance and landscaping.

Measurable Goal(s): The MS4 will develop a pollution prevention workshop for all municipal employees responsible for grounds maintenance and landscaping at public. The MS4 will conduct this workshop on an annual basis.

Year 5: Revise the training program for employees. Conduct minimum of one training session.

The MS4 conducted training in the operation and use of the new Anti Icing Equipment purchased to aid in snow removal efforts in 2007.

The MS4 required its Streets/Parks personnel to undertake training on the proper use and handling of pesticides during calendar year 2007.

F.2 Reduce the amount of pollution (sand, salt, leaves, etc.) that accumulates on the MS4's streets, which has the potential to be carried by runoff into the MS4 and ultimately to Waters of the United States.

Measurable Goal(s): The MS4 will establish a street sweeping schedule for the months of April to November.

Year 5: The MS4 will maintain a street sweeping program.

The MS4 conducts street sweeping operations in accordance with its schedule.

F.2 Ensure detention and water quality ponds operate to maximize water quality benefits and detention storage.

Measurable Goal(s): The MS4 will implement an operations and maintenance program for detention and water quality ponds. The program consists of random inspections and periodic maintenance. The program will be enhanced with a formal inspection schedule, inspection checklist and record keeping procedures. Each detention pond and water quality pond will be inspected once per permit period.

Year 5: The MS4 will conduct inspections of each detention pond and water quality pond once per permit period.

The MS4 inspects each detention/retention facility annually. Additional inspections are conducted if complaints are received.

F.2 Determine components of the MS4 that require maintenance.

Measurable Goal(s): The MS4 will implement an MS4 inspection and maintenance program. Maintenance will be scheduled as needed.

Year 5: The MS4 will implement an annual inspection and maintenance program for its facilities.

F.3 Incorporate the use of road salt alternatives for roadway deicing.

Measurable Goal(s): The MS4 will research methods to reduce the amount of road salt applied to roadways. If feasible, a program to reduce the amount of road salt applied to roadways will be developed and implemented.

Year 5: Continue to review Public Work's publications for the latest information on methods to reduce the amount of road salt.

The MS4 continues to review efforts to reduce salt application.

F.6 Educate MS4 employees on the adverse environmental impacts on storm water quality caused by improper waste disposal.

Measurable Goal(s): The MS4 will publish articles, posters, or conduct training semiannually addressing the impacts of improper waste disposal on storm water quality in the MS4 newsletter. The articles will be aimed at educating public employees about the impacts of illicit discharges on storm water quality.

Year 5: Publish one article annually in MS4 monthly newsletter.

The MS4 distributed copies of the USEPA's website discussing Pollution Prevention/Good Housekeeping for Municipal Operations to its Staff. The MS4 also included an article in the "Did You Know" section of the monthly Village Newsletter regarding illicit discharges to drainage ditches.

Part C. Information and Data Collection Results

The Village did not collect water samples related to water quality sampling/monitoring data related to illicit discharge detection and elimination activities in Year 5.

Part D. Summary of Year 6 Stormwater Activities

The following table summarizes the BMPs committed to for Year 6. All Measurable Goals will be achieved on an annual basis, at a minimum. The current SMPP has established performance milestones for BMP activities under the Illicit Discharge Detection and Elimination minimum control section.

The QLP has committed to providing a SMPP template; refer to preamble and QLP sections of this NOI for additional information. The use of this type document will likely enhance the efficiency of the MS4 program and ease in reporting, training and tracking. Therefore, it is anticipated that the enhanced SMPP template will be received from SMC by mid Year 6. The MS4 will review, revise and accept the SMPP by the end of Year 6.

Note: X indicates BMPs committed to for Year 6.

Year 6	
MS4	
A. Public Education and Outreach	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
X	A.3 Public Service Announcement
X	A.4 Community Event
	A.5 Classroom Education Material
X	A.6 Other Public Education
B. Public Participation/Involvement	
X	B.1 Public Panel
	B.2 Educational Volunteer
X	B.3 Stakeholder Meeting
X	B.4 Public Hearing
	B.5 Volunteer Monitoring
	B.6 Program Coordination
X	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
X	C.3 Detection/Elimination Prioritization Plan
X	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
X	C.6 Program Evaluation and Assessment
X	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
X	C.9 Public Notification
X	C.10 Other Illicit Discharge Controls

Year 6	
MS4	
D. Construction Site Runoff Control	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
X	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
X	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
X	E.4 Pre-Const Review of BMP Designs
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
X	F.1 Employee Training Program
X	F.2 Inspection and Maintenance Program
X	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
X	F.5 Flood Management/Assess Guidelines
X	F.6 Other Municipal Operations Controls

1. **Public Education and Outreach**

The MS4 is committing to conduct Public Education and Outreach as part of its permit. Public Education and Outreach requires implementation of a program to distribute educational material to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to stormwater runoff.

BMP No. A.1: Distributed Paper Material

The SMC develops and distributes a variety of materials related to stormwater management in Lake County. A number of pamphlets and brochures related to BMPs and stormwater management have been produced. The MS4 makes these publications, at a minimum, available.

*Measurable Goal(s): Implement current MS4 SMPP.
Review and revise enhanced SMPP template, provided by QLP,
language related to this provision by end of Year 6.*

BMP No. A.3 The MS4 will create Public Service announcements regarding NPDES Phase II.

The MS4 provided Public Service announcements regarding the NPDES Phase II program.

Measurable Goal(s): Prepare a public service announcement related to the NPDES Phase II program. Publish announcement annually in the monthly MS4 Newsletter.

BMP No. A.4: Community Event

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 publicizes these SWALCO events.

*Measurable Goal(s): Implement current MS4 SMPP.
Review and revise enhanced SMPP template, provided by QLP,
language related to this provision by end of Year 6.*

BMP No. A.6: Other Public Education

The MS4 provides additional educational materials to the general public. This is accomplished by periodically including a water quality/ storm water section in local newsletter and maintaining links to NPDES II and BMP resources.

*Measurable Goal(s): Implement current MS4 SMPP.
Review and revise enhanced SMPP template, provided by QLP,
language related to this provision by end of Year 6.*

BMP No. A.6: The MS4 will provide additional avenues for public education regarding the NPDES Phase II.

The MS4 provides a summary of its NPDES Phase II program on its website.

Measurable Goal(s): The MS4 operates a website that provides many resources for citizens, developers, and engineers. The website includes information on community flooding concerns and links to agencies providing resources regarding drainage and stormwater activities.

2. Public Participation/Involvement

The MS4 will perform activities and services related to the Public Participation/Involvement minimum control measure.

BMP No. B.3: Stakeholder Meeting

Stakeholder meetings are conducted throughout the county for ongoing planning and project implementation efforts. When stakeholder groups (such as watershed planning committees) include the jurisdictional area of the MS4, the MS4 will publicize stakeholder meetings locally and participate by being represented at the stakeholder meetings.

Measurable Goal(s): Implement current MS4 SMPP.

BMP No. B.4: Public Hearing

MS4 will conduct a public meeting to present each annual report and on its proposed SMPP.

*Measurable Goal(s): Present summary of ongoing program implementation (annual report) at public meeting.
Present enhanced SMPP at end of Year 6 for board review and approval/acceptance.*

BMP No. B.7: Other Public Involvement

MS4 will maintain and publicize illicit discharge/illegal dumping contact numbers for citizens to report illegal dumping and suspicious discharges.

*Measurable Goal(s): Implement current MS4 SMPP.
Review and revise enhanced SMPP template, provided by QLP, language related to this provision by end of Year 6*

3. Illicit Discharge Detection and Elimination

The Village will perform activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control. The majority of these activities will be related to IDDE program design. .

BMP No. C.1: Storm Sewer Map Preparation

The Village prepared an outfall map, under the original NOI, to allow for tracking of dry weather flow inspections and outfall maintenance.

Measurable Goal(s): Maintain and update outfall map.

Review, revise and accept SMPP template language related to this provision by end of Year 6.

BMP No. C.2: Regulatory Control Program

The MS4 adopted ordinance language to prohibit non-storm water discharges to the storm sewer or drainage system, under the original NOI. Additionally, the WDO includes provisions, which prohibit illegal dumping to the storm sewer or drainage system.

Measurable Goal(s): Continue to enforce the ordinances.

BMP No. C.3: Detection/Elimination Prioritization Plan

Implement plan established during original NOI to detect and address illicit discharges. Detection methods include dry-weather screening, regular storm sewer maintenance, and public reporting. The MS4 will revise the plan to coordinate with performance milestones established in current SMPP. All outfalls observed to have dry weather flow during pre-screening (pre-screening activities completed during original NOI), to be investigated by the end of Year 8. Complete dry weather screening of all outfalls on a rotating basis with each outfall being inspected at least once every 5-years. Enhance current plan based on SMPP template and implement plan enhancements.

*Measurable Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. C.4: Illicit Discharge Tracing Procedures

Implement procedures established during original NOI to trace found/observed illicit discharges to their origin. Efforts to locate illicit discharges will be documented. Enhance current plan based on SMPP template and implement plan enhancements.

*Measurable Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. C.5: Illicit Source Removal Procedures

Implement procedures established during original NOI to remove directly connected illicit discharges (to the extent practicable), identified through the tracing program. Continue to advertise illicit discharge/illegal dumping hotline in local newsletter and track hotline calls. Enhance current plan based on SMPP template and implement plan enhancements.

*Measurable Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. C.6 Program Evaluation and Assessment

Periodically evaluate and assess the IDDE portion of the SMPP. Collaborate and share information about IDDE program and results through MAC.

Measurable Goal(s): *Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. C.7: Visual Dry Weather Screening

Implement dry weather screening program, established during original NOI. Continue screening storm sewer structures as part of regular cleaning and maintenance. Continue to investigate citizen illicit discharge/illegal dumping hotline reports in the field (“reactive investigation”).

Measurable Goal(s): *Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. C.9: Public Notification

It is anticipated that the enhanced SMPP template may include measures beyond the current program scope.

Measurable Goal(s): *Consider additional language in SMPP template language, and incorporate into program by end of Year 6.*

4. Construction Site Runoff Control

Lake County has adopted a Watershed Development Ordinance (WDO) that establishes the minimum stormwater management requirements for development in Lake County. The WDO, which is enforced by SMC as well as by certified communities in the county, establishes standards for construction site runoff control.

BMP No. D.1: Regulatory Control Program

See QLP description

Measurable Goal(s): *Enforce WDO.
Administer the Designated Erosion Control Inspector Program as outlined by the WDO.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. D.2: Erosion and Sediment Control BMPs

See QLP description.

Measurable Goal(s): *Enforce WDO.
Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. D.3: Other Waste Control Program

See QLP description. *Continue Leaf Collection Program.*

*Measurable Goal(s): Enforce WDO.
Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. D.4: Site Plan Review Procedures

See QLP description. Continue to stay in good standing with SMC. Continue to review TAC meeting minutes and provide input as applicable.

*Measurable Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. D.5: Public Information Handling Procedures

See QLP description. Continue tracking number of complaints received and processed related to soil erosion and sediment control.

*Measurable Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. D.6: Site Inspection/Enforcement Procedures

See QLP description. Continue current inspection and enforcement efforts.

*Measurable Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

5. Post-Construction Runoff Control

As described above, the Lake County Watershed Development Ordinance (WDO) establishes the minimum stormwater management requirements for development in Lake County. The WDO establishes standards for post-construction site runoff control. These standards apply to any new development or redevelopment resulting in over 0.5 acres of new impervious area.

BMP No. E.2: Regulatory Control Program

See QLP description.

*Measurable Goal(s): Enforce WDO.
Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. E.3: Long Term O&M Procedures

See QLP description. Continue existing village inspection program of detention facilities.

*Measurable Goal(s): Enforce WDO.
Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. E.4: Pre-Construction Review of BMP Designs

See QLP description.

*Measurable Goal(s): Enforce WDO.
Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. E.5: Site Inspections During Construction

See QLP description.

*Measurable Goal(s): Enforce WDO.
Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. E.6: Post-Construction Inspections

See QLP description.

*Measurable Goal(s): Enforce WDO.
Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

6. Pollution Prevention/Good Housekeeping

This minimum control measure involves the development and implementation of an operation and maintenance program to reduce the discharge of pollutants from municipal operations. This program includes a training program for municipal employees.

BMP No. F.1: Employee Training Program

Implement training program, established under original NOI, for municipal employees. SMC, the Qualifying Local Program, will serve as a clearinghouse of these materials.

*Measurable Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. F.2: Inspection and Maintenance Program

The Pollution Prevention/Good Housekeeping program completed under the original NOI 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 Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. F.3: Municipal Operations Storm Water Control

The program completed under the original NOI identifies where maintenance and washing of MS4 fleet is done, how lubricant and oil spills are handled, how/where road salt and chemicals are stored, etc.

*Measurable Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

BMP No. F.4: Municipal Operations Waste Disposal

The program completed during the original NOI helps 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 Goal(s): Implement current MS4 SMPP.
Review, revise and accept SMPP template language related to this provision by end of Year 6.*

F.6 Other Municipal Operations Control

It is anticipated that the enhanced SMPP template may include measures beyond the current program scope.

Measurable Goal(s): Consider additional language in SMPP template language, and incorporate into program by end of Year 6.

Part E. Notice of Qualifying Local Program

The Lake County Stormwater Management Commission (SMC) will serve as a Qualifying Local Program (QLP) for MS4s in Lake County. As outlined in the General Permit, SMC will perform functions related to each of the six minimum control measures. Part E of the Annual Report, which outlines the activities performed by SMC as the Qualifying Local Program, consists of the following 5 subparts:

- **Part E1** summarizes and describes any changes to Best Management Practices (BMPs) originally outlined for Year 5 in the General Permit.
- **Part E2** describes the status of BMPs and measurable goals performed in Year 5
- **Part E3** provides the results of information or data collected during Year 5.
- **Part E4** describes BMPs and measurable goals for the program for Year 6.
- **Part E5** lists the construction projects funded by the QLP during Year 6 of the permit.

Part E1. Changes to Best Management Practices

Note: X indicates BMPs performed that were proposed in your NPDES permit
 ✓ indicates changes to BMPs proposed in your NPDES permit

Year 1	Year 2	Year 3	Year 4	Year 5		Year 1	Year 2	Year 3	Year 4	Year 5	
					QLP						QLP
A. Public Education and Outreach						D. Construction Site Runoff Control					
X	X	X	X	X	A.1 Distributed Paper Material	X	X	X	X	X	D.1 Regulatory Control Program
					A.2 Speaking Engagement	X	X	X	X	X	D.2 Erosion and Sediment Control BMPs
X	X	X	X	X	A.3 Public Service Announcement	X	X	X	X	X	D.3 Other Waste Control Program
X	X	X			A.4 Community Event	X	X	X	X	X	D.4 Site Plan Review Procedures
	X	X			A.5 Classroom Education Material	X	X	X	X	X	D.5 Public Information Handling Procedures
X	X	X	X	X	A.6 Other Public Education						D.6 Site Inspection/Enforcement Procedures
B. Public Participation/Involvement											D.7 Other Construction Site Runoff Controls
X	X	X	X	X	B.1 Public Panel		X	X			
					B.2 Educational Volunteer						
X	X	X	X	X	B.3 Stakeholder Meeting	E. Post-Construction Runoff Control					
					B.4 Public Hearing		X				E.1 Community Control Strategy
					B.5 Volunteer Monitoring	X	X	X	X	X	E.2 Regulatory Control Program
X	X	X	X	X	B.6 Program Coordination	X	X	X	X	X	E.3 Long Term O&M Procedures
					B.7 Other Public Involvement	X	X	X	X	X	E.4 Pre-Const Review of BMP Designs
C. Illicit Discharge Detection and Elimination						X	X	X	X	X	E.5 Site Inspections During Construction
		X			C.1 Storm Sewer Map Preparation	X	X	X	X	X	E.6 Post-Construction Inspections
X	X	X			C.2 Regulatory Control Program						E.7 Other Post-Const Runoff Controls
					C.3 Detection/Elimination Prioritization	F. Pollution Prevention/Good Housekeeping					
					C.4 Illicit Discharge Tracing Procedures	X	X	X	X	X	F.1 Employee Training Program
					C.5 Illicit Source Removal Procedures						F.2 Inspection and Maintenance Program
					C.6 Program Evaluation and Assessment						F.3 Municipal Operations Storm Water Control
					C.7 Visual Dry Weather Screening						F.4 Municipal Operations Waste Disposal
					C.8 Pollutant Field Testing	X	X	X	X	X	F.5 Flood Management/Assess Guidelines
					C.9 Public Notification						F.6 Other Municipal Operations Controls
X	X	X	✓	X	C.10 Other Illicit Discharge Controls						

During Year 5 the Lake County SMC prepared an IDDE Guidance Manual for Lake County. Training on this manual was deferred as the document was prepared and distributed

No changes.

Part E2. Status of Compliance with Permit Conditions

The Lake County Stormwater Management Commission (SMC) will serve as a Qualifying Local Program for MS4s in Lake County. As part of ongoing services, SMC will perform functions related to each of the six minimum control measures. The status of BMPs and measurable goals performed in Year 5 are summarized below.

The Lake County Stormwater Management Commission (SMC) is a countywide governmental agency created by county ordinance under the authority of Illinois Revised Statute 55/5-1062. SMC's goals include the reduction of flood damage and water quality degradation and assurance that new development addresses nonpoint source pollution, does not increase flood and drainage hazards to others or create unstable conditions susceptible to erosion. To accomplish this, the SMC works cooperatively with individuals, groups, and units of government as well as serving as the corporate enforcement authority for the Lake County Watershed Development Ordinance. Certified communities are also required participants in the enforcement of the Watershed Development Ordinance. SMC utilizes technical assistance, educational programs and watershed planning to increase public awareness of natural resources and the impacts of urbanization on stormwater quality. In addition, SMC provides solutions to problems related to stormwater and identifies better ways of managing natural resources.

SMC assisted small MS4s in the development and establishment of an efficient and effective program to meet the requirements of the Illinois NPDES Phase II program via a countywide approach under the original 5-year NOI period. SMC has been implementing a comprehensive, countywide stormwater program for 11 years, which provided services under four of the six Minimum Control Measures at the issuance of the original NOI. In 2002, SMC formed an Ad Hoc Municipal Advisory Committee (MAC) specifically to advise MS4s on the NPDES Phase II Permit program. The MAC is comprised of municipal, township, drainage district, consultant and county representatives. SMC is advising and assisting the MS4s in preparing their NOIs, but will not be a permittee as it does not own or operate any sewer systems.

SMC has sponsored informational workshops and roundtable discussions and formed the Municipal Advisory Committee (MAC) to receive input on how SMC can best assist local governments during the permit application process and implementation period. Through these discussions, it was decided that each municipality (or small MS4) will submit its own "Notice of Intent" (NOI) to be covered under IEPA's statewide general permit; however, using the countywide approach municipalities may take credit for the programs and ordinances developed by SMC as well as tailor specific local BMP programs for compliance with the Phase II rules.

As part of the countywide approach to comply with the NPDES Phase II program, SMC has already provided the following assistance to municipalities at no additional cost:

- Supported NPDES II presentations to local boards,
- Developed model Notice of Intent (NOI),
- Provided countywide receiving streams map,
- Developed specific BMP Measurable Goals and program development tasks for Years 1 through 5,
- Served as clearinghouse for all support information and acts as a liaison to IEPA and USEPA,

- Supported the Municipal Advisory Committee (MAC),
- Drafted models of the Annual Performance Reports and specific BMP Measurable Goals for Years 1 through 5,
- Provided model Illicit Discharge Ordinance language and a Lake County Guidance Manual for Illicit Discharge Detection and Elimination (IDDE),
- Developed training workshops for municipal employees regarding IDDE program development, good house keeping, Managing Snow and Ice Operations to Protect Water Quality, and
- Continued to enforce and amend the Lake County Watershed Development Ordinance (WDO).

The original NOI identified various existing SMC countywide services that qualify for credit under four of the six Minimum Control Measures. These services include:

- **Public Education and Outreach:** SMC provides, through its Public Information Coordinator, various training workshops, homeowners workshops, brochures, training manuals, videos, etc., which qualify for credit.
- **Public Participation and Involvement:** SMC coordinates and participates in public meetings and committees, including the Municipal Advisory Committee (MAC), SMC Board of Commissioners, Technical Advisory Committee (TAC), citizen watershed planning committees, Watershed Management Board (WMB), and volunteer support.
- D. **Construction Site Runoff Control:** SMC adopted the countywide Watershed Development Ordinance in 1992, which establishes the minimum stormwater management requirements for development in Lake County. The WDO, which is enforced by SMC as well as by certified communities in the county, establishes standards for construction site runoff control.
- E. **Post-Construction Runoff Control:** The Watershed Development Ordinance also establishes standards for post-construction runoff control.

The MAC approach left the bulk of the remaining two Minimum Control Measures to the MS4.

- C. **Illicit Discharge Detection and Elimination:** The MS4 was responsible for creating an Illicit Discharge Detection and Elimination (IDDE) program, development of a map identifying outfalls to the drainage system, and the development of a local IDDE ordinance.
- F. **Pollution Prevention/Good House Keeping:** The MS4 was responsible for creating a Pollution Prevention/Good Housekeeping plan for municipal activities, and creating an employee training program

Part E3. Information and Data Collection Results

Year 5 activities consisted primarily of permit program planning efforts. Therefore, no information or monitoring data was collected during this period.

Part E4. Summary of Year 6 Stormwater Activities

The table shown below summarizes the BMPs committed to for Year 6 .

Note: X indicates BMPs committed to for Year 6.

Year 6	
QLP	
A. Public Education and Outreach	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
X	A.3 Public Service Announcement
X	A.4 Community Event
	A.5 Classroom Education Material
X	A.6 Other Public Education
B. Public Participation/Involvement	
X	B.1 Public Panel
	B.2 Educational Volunteer
X	B.3 Stakeholder Meeting
	B.4 Public Hearing
	B.5 Volunteer Monitoring
X	B.6 Program Coordination
	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
	C.1 Storm Sewer Map Preparation
	C.2 Regulatory Control Program
	C.3 Detection/Elimination Prioritization Plan
	C.4 Illicit Discharge Tracing Procedures
	C.5 Illicit Source Removal Procedures
	C.6 Program Evaluation and Assessment
	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
	C.9 Public Notification
X	C.10 Other Illicit Discharge Controls

Year 6	
QLP	
D. Construction Site Runoff Control	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
X	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
X	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
X	E.4 Pre-Const Review of BMP Designs
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
X	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
X	F.1 Employee Training Program
	F.2 Inspection and Maintenance Program
	F.3 Municipal Operations Storm Water Control
	F.4 Municipal Operations Waste Disposal
X	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

The Lake County Stormwater Management Commission (SMC) will serve as a Qualifying Local Program for MS4s in Lake County.

SMC is proposing to create a SMPP template that can be reviewed and revised by each MS4, to enhance their existing program. Additionally, SMC will continue to foster the success of a countywide NPDES Phase II approach by continuing to provide support to local municipalities throughout the permit process and implementation phase.

1. Public Education and Outreach.

The SMC will conduct Public Education and Outreach as part of its ongoing countywide services. Public Education and Outreach requires implementation of a program to distribute educational material to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to stormwater runoff.

BMP No. A.1: Distributed Paper Material

The SMC develops and distributes a variety of materials related to stormwater management in Lake County. A number of pamphlets and brochures related to BMPs and stormwater management have been produced. SMC prepares a quarterly newsletter, "Mainstream" as well as an Annual Report that highlights the stormwater management activities in Lake County. SMC also prepares Project Fact Sheets that provide information on ongoing and recently completed stormwater management projects. SMC has developed or collaborated on a number of manuals such as the "Riparian Areas Management: A Citizen's Guide", "A Citizen's Guide to Maintaining Stormwater Best Management Practices", and the "Streambank Stabilization Manual."

*Measurable Goals: Distribute informational materials from "take away" rack at SMC.
Upon request, distribute materials directly to municipalities for local distribution.
Recommend measures to address this BMP in SMPP template.*

BMP No. A.3: Public Service Announcement

A public service announcement related to the NPDES Phase II program will be written and included in the Quarterly Newsletter, "Mainstream." SMC will coordinate with Lake County Department of Transportation (LCDOT) to post watershed identification signage in watersheds where watershed planning activities occur.

*Measurable Goals: Include public service announcement highlighting community accomplishments related to the NPDES Phase II process in "Mainstream" once annually.
Post watershed identification signage with LCDOT.*

BMP No. A.4: Community Event

The SMC sponsors and co-sponsors technical training and public awareness workshops. Workshop topics include watershed tours for the public, soil erosion and sediment control technical training module, management practices to protect water quality, etc.

Measurable Goals: Conduct workshop(s) annually.

Recommend measures to address this BMP in SMPP template

BMP No. A.5: Classroom Education

The SMC will contribute to the development and compilation of a stormwater educational material kit for local teachers.

Measurable Goals: Develop and compile information for stormwater educational kit for distribution upon request.

Provide materials and training on storm sewer inlet stenciling kits to teachers upon request.

BMP No. A.6: Other Public Education

The SMC operates a website that provides many resources for citizens, developers, engineers, and municipalities. The website includes pages such as “Citizens Assistance”, “Watershed Planning”, “Projects”, “Best Management Practices”, “Publications”, “Press Releases” and “Links.” These pages provide notices of upcoming meetings and ongoing projects, allow for download of many SMC documents, and provide links to other NPDES II and BMP resources.

Measurable Goal: Maintain and update the NPDES Phase II portion SMC website with resource materials such as model ordinances, case studies and brochures.

Recommend measures to address this BMP in SMPP template.

2. Public Participation/Involvement.

The SMC will support Lake County MS4s by performing activities and services related to the Public Participation/Involvement minimum control measure.

BMP No. B.1: Public Panel

The SMC coordinates and conducts public meetings and committee meetings that include public representation. A monthly Stormwater Management Commission meeting is open to the public and also includes the SMC Board of Commissioners, which includes six municipal representatives and six county board members.

The Technical Advisory Committee (TAC) was started in 1992 to assist in the development, revision and review of the Watershed Development Ordinance (WDO) standards and administrative procedures. TAC is made up of representatives from the development, environmental, municipal and consultant engineering fields. TAC meetings are held monthly or on an as-needed basis.

The Municipal Advisory Committee (MAC) is made up of municipal, township, drainage district, consulting and county representatives. MAC has worked to coordinate and review the Notice of Intent (NOI) and other NPDES Phase II program components. The MAC will continue to meet as needed during the implementation of the NPDES Phase II stormwater management program.

The Watershed Management Boards (WMBs) meet yearly to make recommendations on BMP project funding. Members include chief municipal elected officials, township supervisors, drainage district chairs, and county board members from each district within the boundaries of the watersheds.

*Measurable Goals: Provide notice of public meetings on SMC website.
Track number of meetings conducted.*

BMP No. B.3: Stakeholder Meeting

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

*Measurable Goals: Provide notice of stakeholder meetings on SMC website.
Track number of watershed planning committee meetings conducted.
Establish watershed planning committees for each new watershed planning effort.
Recommend measures to address this BMP in SMPP template*

BMP No. B.6: Program Coordination

The Countywide Approach to NPDES Phase II Permitting Summary identifies the role of SMC as a Qualifying Local Program. The SMC proactively formed the Municipal Advisory Committee (MAC) to facilitate coordination of the NPDES Phase II stormwater program in Lake County. SMC also prepared a presentation that can be used by municipal representatives to inform their board members about the NPDES II program and how it will be implemented in Lake County through existing local resources and programs. SMC will continue to coordinate the program and provide guidance for the regulated MS4s by continuing to facilitate MAC meetings through the program implementation phase. SMC will prepare a draft report on the Qualifying Local Program activities and provide guidance to MS4s in preparing their annual reports.

*Measurable Goals: Track number of MAC meetings conducted during program implementation.
Prepare draft report on Qualifying Local Program activities at the end of each permit year, if required.*

BMP No. B.7: Other Public Involvement

Measurable Goals: Recommend measures to address this BMP in SMPP template.

3. Illicit Discharge Detection and Elimination.

MS4s are required to perform activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control. The requirements of an IDDE program include the following:

- Develop a storm sewer system map that shows the locations of all outfalls and the names and locations of all waters of the US that receive discharges from those outfalls.
- Prohibit non-storm water discharges into the storm sewer system and implement appropriate enforcement procedures and actions.
- Develop and implement a plan to detect and address illicit discharges into the storm sewer system.
- Educate public employees, businesses and general public of hazards associated with illegal discharges and improper disposal of waste.
- Identify the appropriate best management practices and measurable goals.

The SMC will provide a SMPP template that includes recommended measures to be implemented by the MS4s. Additionally, SMC is committed to providing some supporting additional functions to MS4s for meeting the Illicit Discharge Detection and Elimination minimum control.

BMP No. C.1: Storm Sewer Map Preparation

Measurable Goals: Recommend measures to address this BMP in SMPP template.

BMP No. C.2: Regulatory Control Program

The SMC provided model ordinance examples for MS4s to consider at the local level. The model ordinance language will prohibit non-storm water discharges to the storm sewer or drainage system. Additionally, the WDO includes provisions, which prohibit illegal dumping to the storm sewer or drainage system.

Measurable Goal: Continue to enforce the countywide WDO.

BMP No. C.3: Detection/Elimination Prioritization Plan

Measurable Goals: Recommend measures to address this BMP in SMPP template.

BMP No. C.4: Illicit Discharge Tracing Procedures

Measurable Goals: Recommend measures to address this BMP in SMPP template.

BMP No. C.5: Illicit Source Removal Procedures

Measurable Goals: Recommend measures to address this BMP in SMPP template.

BMP No. C.6: Program Evaluation and Assessment

Measurable Goals: Recommend measures to address this BMP in SMPP template.

BMP No. C.7: Visual Dry Weather Screening

Measurable Goals: Recommend measures to address this BMP in SMPP template.

BMP No. C.9: Public Notification

Measurable Goals: Recommended measures to address this BMP may be included in the SMPP template.

4. Construction Site Runoff Control.

Lake County has adopted a Watershed Development Ordinance (WDO) that establishes the minimum stormwater management requirements for development in Lake County. The WDO, which is enforced by SMC as well as by certified communities in the county, establishes standards for construction site runoff control.

BMP No. D.1: Regulatory Control Program

The WDO has been adopted as the regulatory mechanism to require erosion and sediment controls for construction activities in Lake County. The soil erosion and sedimentation control performance standards are included in Article IV, Section B.1.j. of the WDO. At a minimum, these standards apply to any development that hydrologically disturbs 5,000 square feet or more.

SMC initiated a Designated Erosion Control Inspector (DECI) Program, which originated out of an assessment of WDO implementation during the original NOI period. The purpose of the DECI program is to facilitate positive communication between the permit issuing agency or community and the permit holder by creating a single point of contact for soil erosion/sediment control issues with the idea that it is easier to prevent soil erosion and sediment control problems than it is to correct them after they have occurred. Further, the program is intended to improve site conditions, minimize environmental impacts, and educate contractors/developers/inspectors about proper soil erosion/sediment control Best Management Practices. The DECI program was designed to closely mirror the inspection requirements of the IEPA NPDES Phase II permit (for individual construction sites).

*Measurable Goal: Continue to enforce the countywide WDO.
Administer the DECI as outlined by the WDO.
Recommend measures to address this BMP in SMPP template.*

BMP No. D.2: Erosion and Sediment Control BMPs

Article IV, Section B.1.j of the WDO specifies the required soil erosion and sediment control measures for any land disturbance activity. This section of the WDO includes 15 requirements for soil erosion and sediment control measures including: minimize soil

disturbance; protect adjoining properties from erosion and sedimentation; complete installation of soil erosion and sediment control features prior to commencement of hydrologic disturbance; stabilize disturbed areas within 14 days of active disturbance; avoid disturbance of streams and when possible, size measures appropriate to the amount of tributary drainage area; protect functioning storm sewers from sediment; prevent sediment from being tracked onto adjoining streets; limit earthen embankments to slopes of 3H:1V; identify soil stockpile areas; and utilize statewide standards and specifications as guidance for soil erosion and sediment control.

The SMC has also prepared the Technical Reference Manual (TRM) for the WDO. The TRM is used to guide compliance with the WDO and provides detailed information on soil erosion and sedimentation control BMPs. The TRM is currently being updated and expanded to include BMP guidance chapters on Wetland Areas, Public Roadways, and Ordinance Administration and Enforcement.

*Measurable Goal: Continue to enforce the countywide WDO.
Complete TRM updates, approve and publicize final TRM.
Recommend measures to address this BMP in SMPP template.*

BMP No. D.3: Other Waste Control Program

The WDO includes provisions regarding the control of waste and debris at construction sites.

*Measurable Goal: Enforce WDO provisions regarding the control of waste and debris at construction sites.
Recommend measures to address this BMP in SMPP template.*

BMP No. D.4: Site Plan Review Procedures

Within each jurisdiction, one of the primary duties of the enforcement officer is to review all Watershed Development Applications and issue permits for those projects that are in compliance with the provisions of the WDO. SMC provides training for all new enforcement officers and enforcement officers must pass an exam in order to be certified. SMC periodically reviews all certified communities' Ordinance enforcement records and performance. Ongoing updates to the TRM include the addition of sections that discuss Ordinance Administration and Enforcement.

*Measurable Goals: Track number of enforcement officers who have passed the exam.
Track number of communities that undergo a performance review.
Complete Ordinance Administration Chapter of TRM.
Recommend measures to address this BMP in SMPP template.*

BMP No. D.5: Public Information Handling Procedures

The SMC provides a number of opportunities for receipt and consideration of information submitted by the public. The Citizen Inquiry Response System (CIRS) documents and tracks the resolution of reported problems and citizen complaints. SMC's website provides information on "Who to call" for various problems or concerns. An Interagency Coordination Agreement between SMC and the U.S. Army Corps of Engineers, the Lake

County Soil and Water Conservation District and the National Resources Conservation Service specifies that if any of these agencies receive a report of a soil erosion and sediment control issue, they will contact SMC. SMC will then investigate the report and prescribe corrective action to the property owner or coordinate with the certified community to find a solution.

*Measurable Goal: Track number of complaints received and processed related to soil erosion and sediment control.
Recommend measures to address this BMP in SMPP template.*

BMP No. D.6: Site Inspection/Enforcement Procedures

Article VI of the WDO provides both the recommended and the minimum requirements for site inspection. The enforcement officers within each certified community must conduct site inspections. SMC has direct responsibility for non-certified communities, LCDOT, and the Lake County Forest Preserve. Article VII of the WDO specifies the penalties and legal action that may be imposed if the WDO is violated. If a construction site is not in compliance with the requirements of the WDO, the jurisdictional enforcement officer may issue a stop work order on all development activity on the subject property or on the portion of the activity in direct violation of the WDO. In addition, failure to comply with any of the requirements of the WDO constitutes a violation, and any person convicted thereof may be fined.

*Measurable Goals: Track number of site inspections conducted by SMC.
Recommend measures to address this BMP in SMPP template.*

5. Post-Construction Runoff Control.

As described above, the Lake County Watershed Development Ordinance (WDO) establishes the minimum stormwater management requirements for development in Lake County. The WDO establishes standards for post-construction site runoff control. These standards apply to any new development or re-development, which result in over 0.5 acres of new impervious area.

BMP No. E.2: Regulatory Control Program

The WDO requires that all applicants adopt a stormwater management strategy for controlling post-construction runoff. The applicant must develop a stormwater management strategy that minimizes the increase in runoff volumes and rates and addresses the water quality treatment requirements of the WDO. The proposed drainage plan must use the runoff reduction hierarchy in the WDO and implement BMPs as presented in the TRM. The WDO also requires the use of buffers when adjacent to existing water bodies.

*Measurable Goal: Continue to enforce the countywide WDO.
Recommend measures to address this BMP in SMPP template.*

BMP No. E.3: Long Term O&M Procedures

The WDO requires that a maintenance plan be prepared for all stormwater management system components for Major developments (as defined by the WDO). Enforcement officers may require maintenance plans to be prepared for all development sites that require a NPDES permit. The maintenance plan must include: maintenance tasks; the party responsible for performing the maintenance tasks; a description of all permanent public or private access maintenance easements and overland flow paths, and compensatory storage areas; and a description of dedicated sources of funding for the required maintenance. The TRM includes a sample maintenance plan. The Ordinance also requires that all stormwater management systems be located and described within a deed or plat restriction to ensure perpetuity and access for maintenance.

*Measurable Goal: Continue to enforce the countywide WDO.
Recommend measures to address this BMP in SMPP template.*

BMP No. E.4: Pre-Construction Review of BMP Designs

Within each jurisdiction, one of the primary duties of the enforcement officer is to review all Watershed Development Applications and issue permits for those projects that are in compliance with the provisions of the WDO. This includes a review of the proposed BMPs for post-construction runoff control.

*Measurable Goal: Continue to enforce the countywide WDO.
Recommend measures to address this BMP in SMPP template.*

BMP No. E.5: Site Inspections During Construction

Article VI of the WDO provides both the recommended and the minimum requirements for site inspection. The enforcement officers for each certified community must conduct these inspections. Enforcement officers may inspect site development at any stage in the construction process. For major developments, the enforcement officer shall conduct site inspections, at a minimum, upon completion of installation of sediment and runoff control measures and after final stabilization and landscaping, prior to removal of sediment controls.

*Measurable Goal: Continue to enforce the countywide WDO.
Recommend measures to address this BMP in SMPP template.*

BMP No. E.6: Post-Construction Inspections

(See description of the inspection program provided under E.5)

*Measurable Goal: Continue to enforce the countywide WDO.
Recommend measures to address this BMP in SMPP template.*

BMP No. E.7: Other Post-Construction Runoff Controls

Through the Watershed Management Board (WMB), SMC reviews and partially funds projects related to drainage and water quality improvements. The WMB representing the Lake Michigan, North Branch of the Chicago River, Fox and Des Plaines watersheds – meets yearly to make recommendations on project funding. Members include chief municipal

elected officials, township supervisors, drainage district chairs, and county board members from each district within the boundaries of the watershed. The goal of the WMB is to maximize opportunities for local units of government and other groups to have input and influence in local stormwater management problem solving. Projects have improved quality of water in streams and swales, and have enhanced stormwater facilities.

*Measurable Goals: Conduct annual WMB meeting.
Contribute funding to water quality improvement projects, including BMP retrofits, through the WMB.*

6. Pollution Prevention/Good Housekeeping.

This minimum control measure involves the development and implementation of an operation and maintenance program to reduce the discharge of pollutants from municipal operations. This program must include a training program for municipal employees.

BMP No. F.1: Employee Training Program

The SMC will assist MS4s in developing programs for F.1 by incorporating recommended actions into the SMPP template. Additionally, SMC will serve as technical advisors and as a clearinghouse of information related to employee training BMPs and periodically offer training programs.

*Measurable Goal: Provide list of available resources to MS4s.
Provide employee training workshops.
Include training recommendations in SMPP template.*

BMP No. F.2: Inspection and Maintenance Program

Measurable Goal: Recommend measures to address this BMP in SMPP template.

BMP No. F.3: Municipal Operations Storm Water Control

Measurable Goal: Recommend measures to address this BMP in SMPP template.

BMP No. F.4: Municipal Operations Waste Disposal

Measurable Goal: Recommend measures to address this BMP in SMPP template.

BMP No. F.5: Flood Management/Assess Guidelines

By adopted policy in the Lake County Stormwater Management Plan, SMC's standard operating procedure is to assess the feasibility of implementing water quality functions in all flood control designs. SMC will evaluate all SMC-sponsored projects for multi-objective opportunities.

Measurable Goal: Track number of projects that are reviewed for multi-objective opportunities.

BMP No. F.6: Other Municipal Operations Control

Measurable Goal: Recommend measures to address this BMP in SMPP template.

Part E5. Construction Projects Conducted During Year 5

Project Name	Project Size (acres)	Construction Start Date	Construction End Date
NB – Abbott Laboratories Pond Retrofit	200	Spring 2006	Spring 2006
NB – West Skokie Drainage District (Middle Fork) Fujisawa Streambank Restoration	5	Fall 2006	Fall 2006
NB- Deerfield High School (Middle Fork) Streambank Restoration (Phase 3)	5	Spring 2006	Summer 2006
NB- Middle Fork Tributary Restoration	10	Summer 2006	Fall 2006
WMB – Ivanhoe Drain Tile Replacement	1	Spring 2006	Fall 2006
WMB – Sylvan Lake Streambank Plantings	1	Spring 2006	Fall 2006
WMB – Meadow Lane Drain Tile Replacement	1	Spring 2006	Fall 2006
WMB - Mallard Ridge Detention/Flood Mitigation Enhancements	1	Spring 2005	Fall 2006
WMB-Counrywalk Detention Pond	2	Spring 2007	Fall 2007
WMB-Streambank Restoration on Bull Creek	3	Spring 2007	Fall 2007
WMB-Warner Avenue Drainage Ditch	3	Spring 2007	Fall 2007
WMB-Long Lake Shoreline Stabilization	3	Spring 2007	Fall 2007

