



# Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

## Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

### for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

*This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.*

Report Period: From March, 2010 To March, 2011

Permit No. ILR40 0339

#### MS4 OPERATOR INFORMATION: (As it appears on the current permit)

Name: Village of Fox Lake Mailing Address 1: \_\_\_\_\_

Mailing Address 2: 66 Thillen Drive County: Lake

City: Fox Lake State: IL Zip: 60020 Telephone: 847-587-2151

Contact Person: Mayor Ed Bender Email Address: \_\_\_\_\_  
(Person responsible for Annual Report)

#### Name(s) of governmental entity(ies) in which MS4 is located: (As it appears on the current permit)

Village of Fox Lake, Illinois

#### THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

- |  |                          |   |                          |
|--|--------------------------|---|--------------------------|
| 1. Public Education and Outreach             | <input type="checkbox"/> | 4. Construction Site Runoff Control       | <input type="checkbox"/> |
| 2. Public Participation/Involvement          | <input type="checkbox"/> | 5. Post-Construction Runoff Control       | <input type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination | <input type="checkbox"/> | 6. Pollution Prevention/Good Housekeeping | <input type="checkbox"/> |

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

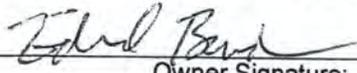
C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle ( including an implementation schedule.)

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

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

  
Owner Signature:

Edward Bender

Printed Name:

5/25/2011  
Date:

Mayor

Title:

EMAIL COMPLETED FORM TO: [epa.ms4annualinsp@illinois.gov](mailto:epa.ms4annualinsp@illinois.gov)

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL  
COMPLIANCE ASSURANCE SECTION #19  
1021 NORTH GRAND AVENUE EAST  
POST OFFICE BOX 19276  
SPRINGFIELD, ILLINOIS 62794-9276

# **MS4 Annual Facility Inspection Report**

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

**Permit Year 8: March 2010 to February 2011**

***Village of Fox Lake***

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## Part A. MS4 Changes to Best Management Practices, Year 8

Note: X indicates BMPs that were implemented in accordance with the MS4's SMPP  
 ✓ indicates BMPs that were changed during Year 8

Year 8	
MS4	
<b>A. Public Education and Outreach</b>	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
X	A.3 Public Service Announcement
X	A.4 Community Event
X	A.5 Classroom Education Material
X	A.6 Other Public Education
<b>B. Public Participation/Involvement</b>	
X	B.1 Public Panel
	B.2 Educational Volunteer
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
<b>C. Illicit Discharge Detection and Elimination</b>	
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
	C.6 Program Evaluation and Assessment
X	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
X	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 8	
MS4	
<b>D. Construction Site Runoff Control</b>	
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
<b>E. Post-Construction Runoff Control</b>	
	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
<b>F. Pollution Prevention/Good Housekeeping</b>	
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

Additional information about the changes that were made to the BMPs described in the MS4's SMPP during Year 8 is provided below.

*Measurable Goal(s): Review and revise enhanced SMPP template, provided by QLP, language related to this provision by end of Year 8.*

**Due to budgetary constraints, the Village of Fox Lake was unable to develop their SMPP in Year 8 as originally planned. Currently, this task has been budgeted for development in Year 9.**

*Measurable Goal(s): Implement, and track progress, of BMPs as described in the SMPP.*

**Due to budgetary constraints, limited outfall screenings and/or dry weather flow investigations were conducted during Year 8 through daily maintenance activities.**

*Measurable Goal(s): Continue implementation of stenciling program utilizing citizen groups (such as school children) in the activities.*

**Due to budgetary constraints, the Village of Fox Lake was unable to continue the stenciling program for existing stormwater inlets. The Village plans to continue this program in Year 9.**

*Measurable Goal(s): -Distribute illicit discharge information packets to commercial/industrial businesses which are permitted stormwater dischargers within the Village in conjunction with license renewal beginning in Year 9.*

**Due to budgetary constraints and the desire to reduce paper materials, the Village of Fox Lake will plan to make this information available on its website instead of through mailings. This measurable goal will be updated beginning in Year 9 and all subsequent years.**

## **Part B. MS4 Status of Compliance with Permit Conditions, Year 8**

### **Stormwater Management Activities, Year 8**

The stormwater management activities that the MS4 performed during Year 8 and the status of each of the BMPs and measurable goals are described below.

#### **Public Education and Outreach**

The Village of Fox Lake 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.

*Measurable Goal(s):*

- Provide new information on BMPs to homeowners associations known to have BMPs in place, as they become available.*
- Make information from LC-SMC available for pick-up at Village Hall and/or electronically on Village website.*
- Review and revise enhanced SMPP template, provided by QLP, language related to this provision by end of Year 8.*

**The Village of Fox Lake has makes some information available for pick-up at Village Hall. The Village's website was updated just prior to the end of Year 8 and is currently being evaluated. Additional information will be added in Year 9 to enhance this measurable goal. See Part A for changes regarding the SMPP.**

#### **BMP No. A.3: Public Service Announcement**

The SMC issues a public service announcement annually related to the NPDES Phase II in the Quarterly Newsletter, "Mainstream".

*Measurable Goal(s):*

- Make announcements provided by LC-SMC available through a link on the Village website.*
- Review and revise enhanced SMPP template, provided by QLP, language related to this provision by end of Year 8.*

**The Village's website was updated just prior to the end of Year 8 and includes a link to LC-SMC's webpage for additional information. The site is currently being evaluated and additional information will be added once identified. See Part A for changes regarding the SMPP.**

**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.

*Measurable Goal(s):*

- Publicize SWALCO events or provide a link to SWALCO on Village website, at a minimum.
- Cooperate with SWALCO to host waste collection events within the Village on an occasional basis.
- Attend annual technical training and public awareness workshops as sponsored by SMC regarding soil erosion and sediment control training by key Building Department and Public Works staff.
- Review and revise enhanced SMPP template, provided by QLP, language related to this provision by end of Year 8.

**The Village currently posts SWALCO events on the Village website and hosts the SWALCO event for Lake County occasionally. April 2011 (Permit Year 9) will be the next scheduled SWALCO event. The Village, or a representative, attended the SMC presentation on USEPA's proposed Effluent Limit Guidelines and TMDL regulations in the DuPage River and Salt Creek on January 12, 2011. County Board Member (District 5) Bonnie Thomson Carter will be holding a seminar for business owners located in the regulatory floodplain in Year 9. This seminar will give an overview of floodplain development and the associated restrictions and regulations. See Part A for changes regarding the SMPP.**

**BMP No. A.5: Classroom Education**

The SMC develops stormwater educational materials for local teachers. The Village of Fox Lake will, at a minimum, make this information available to all citizen groups and local classrooms upon request. The Village of Fox Lake has begun testing different stormwater inlet stenciling products. They will continue to look for opportunities to involve citizen groups in a stenciling program.

*Measurable Goal(s):*

- Make educational materials available for teachers upon request.
- Continue implementation of stenciling program utilizing citizen groups (such as school children) in the activities.
- Review and revise enhanced SMPP template, provided by QLP, language related to this provision by end of Year 8.

**There were no requests for educational materials in Year 8. The stenciling program was developed in Year 7. Due to budget constraints, stenciling did not take place in Year 8 but is expected to continue in Year 9. See Part A for changes regarding the SMPP.**

**BMP No. A.6: Other Public Education**

The Village provides additional educational materials to the general public.

*Measurable Goal(s): -Post pertinent Village of Fox Lake stormwater-related information on the Village website.  
-Post NPDES Phase II and BMP resources on the Village website.  
-Review and revise enhanced SMPP template, provided by QLP, language related to this provision by end of Year 8.*

**The Village's website was updated just prior to the end of Year 8 and includes a link to LC-SMC's webpage for additional information. The site is currently being evaluated and additional information will be added once identified. See Part A for changes regarding the SMPP.**

## **2. Public Participation/Involvement**

The Village of Fox Lake is committing to implementing the Public Participation/Involvement component of its Stormwater Management Program as described below.

### **BMP No. B.1: Public Panel**

The SMC conducts public meetings and committee meetings including the Technical Advisory Committee (TAC), the Municipal Advisory Committee (MAC), and the Watershed Management Boards (WMBs). The Village of Fox Lake currently attends all MAC meetings, and monitors additional meetings as they arise.

*Measurable Goal(s): -Continue to send a representative to MAC meetings hosted by LC-SMC and Watershed Management Board Meetings which are relevant to the Village of Fox Lake.  
-Review and revise enhanced SMPP template, provided by QLP, language related to this provision by end of Year 8.*

**The Village's website was updated just prior to the end of Year 8 and includes a link to LC-SMC's webpage for additional information. The site is currently being evaluated and additional information will be added once identified. A representative of the Village attended every MAC meeting in Year 8 (4 Total). See Part A for changes regarding the SMPP.**

### **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 Fox Lake, the Village will publicize stakeholder meetings locally and participate by being represented at the stakeholder meetings.

*Measurable Goal(s): -Continue to monitor all stakeholder meetings and send a representative to all meetings which are relevant to the Village of Fox Lake.*

**The Village monitored stakeholder meetings in Year 8. There were no meeting held in Year 8 which were relevant to the Village of Fox Lake. See Part A for changes regarding the SMPP.**

**BMP No. B.4: Public Hearing**

The Village of Fox Lake will present updated information at Village Board Meetings, when applicable, regarding any stormwater regulation changes and/or SMPP development.

*Measurable Goal(s):* -Present stormwater related updates at public Board Meetings.  
-Present Public Works SWPPP to Village Board in Year 8.  
-Review and revise enhanced SMPP template language, provided by QLP, related to this provision by end of Year 8.  
-Upon completion of SMPP template, present to Village Board for review and approval.

**The Public Works SWPPP was discussed at a board meeting in Year 8. See Part A for changes regarding the SMPP.**

**BMP No. B.6: Program Coordination**

SMC has developed the Municipal Advisory Committee (MAC) to facilitate the coordination of the NPDES Phase II stormwater program in Lake County. The Village of Fox Lake has been involved in the MAC meetings through a representative. The Village will continue to participate in MAC meetings and review any guidance and reports as presented by SMC.

*Measurable Goal(s):* -Continue to attend all MAC meetings and monitor all NPDES Phase II stormwater guidance presented by LC-SMC.  
-Review and revise enhanced SMPP template, provided by QLP, and language related to this provision by end of Year 8.

**A representative of the Village attended all 4 MAC meetings held in Year 8 and monitored all NPDES Phase II stormwater information. See Part A for changes regarding the SMPP.**

**BMP No. B.7: Other Public Involvement**

The Village of Fox Lake will maintain and publicize illicit discharge/illegal dumping contact numbers for citizens to report illegal dumping and suspicious discharges.

*Measurable Goal(s):* -Publish a complaint number on Village website for public reporting of any stormwater compliance issues. Track these complaints and their corresponding resolutions.  
-Review and revise enhanced SMPP template, provided by QLP, language related to this provision by end of Year 8.

**All complaints are currently made to the Building Department and they are tracked by complaint and corresponding resolution. The Village's website was updated just prior to the end of Year 8. The site is currently being evaluated and additional information will be added once identified. The Village plans to post a complaint number and the Annual Report on the new website in Year 9. See Part A for changes regarding the SMPP.**

### 3. Illicit Discharge Detection and Elimination

The Village of Fox Lake 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 of Fox Lake has 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 8.

**The outfall map was maintained in Year 8. See Part A for changes regarding the SMPP.**

#### **BMP No. C.2: Regulatory Control Program**

The Village of Fox Lake will continue to prohibit non-storm water discharges to the storm sewer or drainage system through enforcement of the Lake County WDO and Village Code. The WDO includes provisions, which prohibit illegal dumping to the storm sewer or drainage system.

*Measurable Goal(s):* -Continue to enforce the ordinances and issue citations as necessary.  
-Review, revise and accept SMPP template language related to this provision by end of Year 8.

**The Village of Fox Lake enforced all ordinances in Year 8. There were approximately 3 citations regarding illicit discharges in Year 8, documented by the Building Department. See Part A for changes regarding the SMPP.**

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

The Village of Fox Lake will continue implementing the schedule developed under the original NOI regarding illicit discharges. Detection methods include dry-weather screening during daily maintenance activities, regular storm sewer maintenance, and catch basin cleaning. Storm sewer and catch basin cleaning will continue to be completed at least once every 2 years. Perform dry weather screening during regular maintenance activities of all outfalls on a rotating basis with each outfall being inspected at least once every 5 years.

*Measurable Goal(s):* -Perform outfall inspections at least once every 5 years.  
-Continue storm sewer and catch basin cleaning once every 2 years to help in detection of illicit discharges.  
- Document all inspections and record potential illicit discharges.  
-Review, revise and accept SMPP template language related to this provision by end of Year 8.

**Approximately half of the Village storm sewer and catch basins were cleaned in Year 8. Inspection records are kept at the Village Public Works facility. See Part A for changes regarding the SMPP.**

**BMP No. C.4: Illicit Discharge Tracing Procedures**

The Village of Fox Lake will continue implementing the schedule developed under the original NOI regarding illicit discharges. Detection methods include dry-weather screening during maintenance activities, regular storm sewer maintenance, and catch basin cleaning. Storm sewer and catch basin cleaning will continue to be completed at least once every 2 years. Perform dry weather screening of all outfalls on a rotating basis with each outfall being inspected at least once every 5 years.

*Measurable Goal(s):* -Continue to utilize storm sewer map for illicit discharge tracing, as applicable.  
-Document all illicit discharges discovered and the actions taken for resolution.  
-Review, revise and accept SMPP template language related to this provision by end of Year 8.

**There were approximately 3 illicit discharges detected in Year 8. All were documented by the Building Department and properly corrected. See Part A for changes regarding the SMPP.**

**BMP No. C.5: Illicit Source Removal Procedures**

The Village of Fox Lake will continue implementing the schedule developed under the original NOI regarding illicit discharges. Detection methods include dry-weather screening during maintenance activities, regular storm sewer maintenance, and catch basin cleaning. Storm sewer and catch basin cleaning will continue to be completed at least once every 2 years. Perform dry weather screening of all outfalls on a rotating basis with each outfall being inspected at least once every 5 years.

*Measurable Goal(s):* -Track complaints received and corresponding resolutions.  
-Review, revise and accept SMPP template language related to this provision by end of Year 8.

**All complaints are received by the Building Department and tracked with their corresponding resolutions. See Part A for changes regarding the SMPP.**

**BMP No. C.6: Program Evaluation and Assessment**

Periodically evaluate and assess the IDDE portion of the program. Collaborate and share information about IDDE program and results through MAC (sponsored by LC-SMC).

*Measurable Goal(s):* -Continue to enforce ordinances.  
-Review, revise and accept SMPP template language related to this provision by end of Year 8.

**All ordinances were enforced in Year 8. See Part A for changes regarding the SMPP.**

**BMP No. C.7: Visual Dry Weather Screening**

The Village of Fox Lake will continue implementing the schedule developed under the original NOI regarding illicit discharges. Detection methods include dry-weather screening during maintenance activities, regular storm sewer maintenance, and catch basin cleaning. Storm sewer and catch basin cleaning will continue to be completed at least once every 2 years. Perform dry weather screening of all outfalls on a rotating basis with each outfall being inspected at least once every 5 years.

Measurable Goal(s): *-Perform outfall inspections at least once every 5 years.*  
*-Continue storm sewer and catch basin cleaning once every 2 years to help in detection of illicit discharges.*  
*-Review, revise and accept SMPP template language related to this provision by end of Year 8.*

**Approximately half of the Village storm sewer and catch basins were cleaned in Year 8. Inspection records are kept at the Village Public Works facility. See Part A for changes regarding the SMPP.**

**BMP No. C.9: Public Notification**

In order to promote compliance with the EPA NPDES program within the Village of Fox Lake, informational material will be distributed to all permitted dischargers within the Village in coordination with their business renewal licenses. This information packet will contain literature regarding illicit discharges and other stormwater related topics.

Measurable Goal(s): *-Distribute illicit discharge information packets to commercial/industrial businesses which are permitted stormwater dischargers within the Village in conjunction with license renewal beginning in Year 9.*  
*-Notify property owners of any illicit discharges detected from their property.*  
*-Consider additional language in SMPP template language, and incorporate into program by end of Year 8.*

**See Part A for changes related to the commercial/industrial dischargers. The Village will plan to make this information available on the website in an effort to reduce paper mailings and promote conservation of resources. Additionally, all marinas were required to show verification that they have applied for their individual NPDES permits through the IEPA. This was conducted through the Building Department in Year 8. There were approximately 3 illicit discharges detected in Year 8. All were documented by the Building Department and properly corrected. See Part A for changes regarding the SMPP.**

#### **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 as described below.

##### **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 8.*

**The WDO was enforced in Year 8. The new Building Commissioner was certified as an Enforcement Officer in Year 8. All applicable development projects were required to abide by the requirements set forth in the Designated Erosion Control Inspector Program. See Part A for changes regarding the SMPP.**

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

See QLP description.

*Measurable Goal(s): -Enforce WDO.*

*-Continue construction site inspection within Village for compliance with ordinances.*

*-Review, revise and accept SMPP template language related to this provision by end of Year 8.*

**The WDO was enforced in Year 8. Construction sites were inspected for ordinance compliance. Additionally, the Village of Fox Lake has hired an outside firm (B&F Technical Services) for additional code enforcement. There were two active development-related construction sites in Year 8. See Part A for changes regarding the SMPP.**

##### **BMP No. D.3: Other Waste Control Program**

See QLP description. Continue brush collection program which is available for all residents upon request.

*Measurable Goal(s): -Enforce WDO.*

*-Continue brush collection program within the Village.*

*-Review, revise and accept SMPP template language related to this provision by end of Year 8.*

**The WDO was enforced in Year 8. Brush collection program was continued in Year 8. See Part A for changes regarding the SMPP.**

**BMP No. D.4: Site Plan Review Procedures**

See QLP description. Continue to stay in good standing with SMC.

*Measurable Goal(s): -Enforce WDO.*

*-Review, revise and accept SMPP template language related to this provision by end of Year 8.*

**The WDO was enforced in Year 8. See Part A for changes regarding the SMPP.**

**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): -Continue to track and respond to all erosion and sediment control complaints received.*

*-Review, revise and accept SMPP template language related to this provision by end of Year 8.*

**There were no public initiated sediment and erosion control complaints received in Year 8. All noticeable violations were resolved and tracked by the Building Department. See Part A for changes regarding the SMPP.**

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

See QLP description. Continue current inspection and enforcement efforts.

*Measurable Goal(s): -Continue inspection and enforcement of all construction site and sediment and erosion control procedures within the Village of Fox Lake.*

*-Review, revise and accept SMPP template language related to this provision by end of Year 8.*

**All construction sites were inspection for sediment and erosion control procedures during Year 8. There were two active development-related construction sites in Year 8. See Part A for changes regarding the SMPP.**

**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 new development or redevelopment resulting in over 0.5 acres of new impervious area. The enforcement of the WDO implements BMPs as described below.

**BMP No. E.2: Regulatory Control Program**

See QLP description.

*Measurable Goal(s): -Enforce WDO.*

*-Review, revise and accept SMPP template language related to this provision by end of Year 8.*

**The WDO was enforced in Year 8. See Part A for changes regarding the SMPP.**

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

See QLP description. Continue to inspect and enforce all complaints of structural BMPs maintenance compliance within the Village of Fox Lake. Take enforcement measures as necessary.

*Measurable Goal(s): -Enforce WDO.*

*-Continue providing new information to Homeowner's Associations regarding stormwater pond maintenance.*

*-Investigate all reported complaints regarding structural BMP maintenance and enforce if necessary.*

*-Review, revise and accept SMPP template language related to this provision by end of Year 8.*

**The WDO was enforced in Year 8. There was no new information to pass along to the Homeowner's Associations regarding stormwater ponds. As new information becomes available, this information will be passed along to the Homeowner's Associations via electronic or paper distribution methods. There were no complaints reported regarding structural BMP maintenance in Year 8. See Part A for changes regarding the SMPP.**

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

See QLP description.

*Measurable Goal(s): -Enforce WDO.*

*-Review, revise and accept SMPP template language related to this provision by end of Year 8.*

**The WDO was enforced in Year 8. See Part A for changes regarding the SMPP.**

**BMP No. E.5: Site Inspections During Construction**

See QLP description.

*Measurable Goal(s): -Enforce WDO.*

*-Continue periodic site visits of construction sites and follow-up visits in response to complaints received.*

*-Review, revise and accept SMPP template language related to this provision by end of Year 8.*

**The WDO was enforced in Year 8. All construction sites were inspected in Year 8. There were two active development-related construction sites in Year 8 which were both ongoing from the previous year. All noticeable violations were resolved. See Part A for changes regarding the SMPP.**

**BMP No. E.6: Post-Construction Inspections**

See QLP description.

*Measurable Goal(s):* -Enforce WDO.  
-Review, revise and accept SMPP template language related to this provision by end of Year 8.

**The WDO was enforced in Year 8. See Part A for changes regarding the SMPP.**

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

See QLP description.

*Measurable Goal(s):* -Enforce WDO.  
-Continue to monitor progress made by SMC.  
-Attend any relevant meetings by SMC.

**The WDO was enforced in Year 8. All progress by SMC was monitored, and all relevant meetings were attended. A representative of the Village attended all 4 MAC meetings in Year 8. See Part A for changes regarding the SMPP.**

**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. The Village of Fox Lake commits to implementation of BMPs as described below.

**BMP No. F.1: Employee Training Program**

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

*Measurable Goal(s):* -Conduct Public Works new hire employee training regarding waste disposal, spill cleanup, and facilities operation and maintenance.  
-Attend LC-SMC sponsored training events as applicable for all key Building Department and Public Works staff.  
-Conduct information sharing opportunities where employees can share information from other seminars attended with other staff.  
-Review, revise and accept SMPP template language related to this provision by end of Year 8.

**There were no new hires in Public Works in Year 8. The Public Works SWPPP was developed in the beginning of Year 8 for compliance (a copy is attached for reference).**

The Public Works Department sponsored a “Stormwater Pollution Prevention Training” on April 29, 2010, instructed by Cynthia Tomuskiak, Hazmat Team Leader for the Fox Lake Fire Protection District for all employees. Additionally, the Building Commissioner attended a 3-day course titled “Advanced Floodplain Management Concepts” as hosted by the Department of Homeland Security’s Emergency Management Institute (EMI) – National Emergency Training Center (NETC) on February 14-17, 2011. The Building Department also attended a Leadership in Energy and Environmental Design (LEED) class in Year 8. See Part A for changes regarding the SMPP.

**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. Street sweeping is performed on all streets at the beginning of Spring season, and major streets and streets with storm sewers are swept regularly through the Spring, Summer, and Fall seasons. Conduct storm sewer and catch basin cleaning at least once every 2 years and dry weather screening of all outfalls at least once every 5 years.

*Measurable Goal(s):*

- Continue street sweeping at the schedule developed in the original NOI.
- Perform outfall inspections and storm sewer and catch basin cleaning at the schedule developed in the original NOI.
- Review, revise and accept SMPP template language related to this provision by end of Year 8.

**Street sweeping was completed on all streets at the beginning of the Spring season, and on major street and storm sewer streets regularly through Spring, Summer, and Fall. Approximately half of all storm sewer and catch basins were cleaned in Year 8. See Part A for changes regarding the SMPP.**

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

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

*Measurable Goal(s):*

- Continue periodic evaluation of municipal facilities.
- Update facilities with necessary stormwater controls, if applicable.
- Continue minimizing the use of road salt applicable by utilizing a salt/sand application mix.
- Continue implementation of SWPPP for Public Works.
- Review, revise and accept SMPP template language related to this provision by end of Year 8.

**Municipal facilities were periodically evaluated, and methods for minimizing the use of road salt were used in Year 8. The Public Works SWPPP was developed in the beginning of Year 8 for compliance (a copy is attached for reference). See Part A for changes regarding the SMPP.**

**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):* -Construct salt storage shed upon receiving awarded grant money from the State of Illinois. In the meantime, continue proper cover of storage materials.  
-Review, revise and accept SMPP template language related to this provision by end of Year 8.

**Plans for the salt storage shed have been completed. The Village was notified that they were awarded a grant from the State of Illinois and is currently in the process of securing the funds. It is anticipated that construction of the Salt Storage shed will occur in Year 9 if the expected funding is received. See Part A for changes regarding the SMPP.**

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

See QLP description. The program currently implemented includes permit review processes in accordance with WDO regulation related to Floodplain Management. Additionally, the Village works closely with SMC regarding flood mitigation and flood control projects.

*Measurable Goals:* -Monitor progress of SMC.  
- Enforce WDO.  
-Review, revise and accept SMPP template language related to this provision by end of Year 8.

**The WDO was enforced in Year 8. Progress of SMC was monitored, and all relevant meetings were attended in Year 8. The Building Commissioner attended a 3-day course titled “Advanced Floodplain Management Concepts” as hosted by the Department of Homeland Security’s Emergency Management Institute (EMI) – National Emergency Training Center (NETC) on February 14-17, 2011. See Part A for changes regarding the SMPP.**

**BMP No. F.6: Other Municipal Operations Control**

Progress has taken place toward the construction of a salt dome to protect de-icing salt from the rain. Currently, plans have been made during the original NOI. Late in Year 7 the Village was notified they will be receiving grant money from the State of Illinois to aid in the construction of the salt dome. It is anticipated that the enhanced SMPP template may include measures beyond the current program scope.

*Measurable Goals: -Construct salt storage shed upon receiving awarded grant money from the State of Illinois. In the meantime, continue proper cover of storage materials.*  
*-Consider additional language in SMPP template language, and incorporate into program by end of Year 8.*

**Municipal facilities were periodically evaluated, and methods for minimizing the use of road salt were used in Year 8. Plans for the salt storage shed have been completed. The Village was notified that they were awarded a grant from the State of Illinois and is currently in the process of securing the funds. It is anticipated that construction of the Salt Storage shed will occur in Year 9 if the expected funding is received. See Part A for changes regarding the SMPP.**

#### **Stormwater Management Program Assessment, Year 8**

An overall assessment of the MS4's stormwater management program and the appropriateness of its BMPs is provided below.

During Year 9, it is anticipated that the Village of Fox Lake will develop and implement a SMPP to outline its stormwater management program. Also in Year 9, the QLP will be reviewing and revising the SMPP template, which was last revised in April 2009, to better address the annual program assessment requirements of General NPDES Permit No. ILR40. The Village of Fox Lake will review the revised SMPP template and will incorporate changes that are beneficial to its stormwater management program into its SMPP. These changes will likely include the addition of a process for conducting an annual assessment of its stormwater management program and BMPs using environmental indicators. During Year 9, the MS4 anticipates that it will begin using this process to evaluate its stormwater management program and the appropriateness of its BMPs.

## **Part C. MS4 Information and Data Collection Results, Year 8**

### **Annual Monitoring and Data Collection, Year 8**

Information and data that the MS4 collected to meet the annual monitoring requirement of General NPDES Permit No. ILR40 are summarized below.

Due to budgetary constraints, no information or monitoring data was collected during Year 8. However, during Year 9, the MS4 anticipates that it will begin identification of appropriate water quality sampling locations and attempt at conducting annual monitoring at these locations. Monitoring parameters will likely include: Copper, Phosphate, Chlorine, Ammonia, Alkalinity, and pH.

### **IDDE Monitoring and Data Collection, Year 8**

Information and data that the MS4 collected as part of its illicit discharge detection and elimination program are summarized below.

Due to budgetary constraints, no formal dry weather flow investigations were conducted during Year 8 and limited dry weather flow investigations were performed during daily maintenance activities. However, during Year 9, the MS4 anticipates that it will continue its dry weather flow investigations and associated water quality testing.

## Part D. MS4 Summary of Year 9 Stormwater Activities

The table below indicates the stormwater management activities that the MS4 plans to undertake during Year 9. Additional information about the BMPs and measurable goals that the MS4 will implement during Year 9 is provided in the section following the table.

**Note:** X indicates BMPs that will be implemented during Year 9

Year 9	
MS4	
<b>A. Public Education and Outreach</b>	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
X	A.3 Public Service Announcement
X	A.4 Community Event
X	A.5 Classroom Education Material
X	A.6 Other Public Education
<b>B. Public Participation/Involvement</b>	
X	B.1 Public Panel
	B.2 Educational Volunteer
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
<b>C. Illicit Discharge Detection and Elimination</b>	
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
	C.10 Other Illicit Discharge Controls

Year 9	
MS4	
<b>D. Construction Site Runoff Control</b>	
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
<b>E. Post-Construction Runoff Control</b>	
	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
<b>F. Pollution Prevention/Good Housekeeping</b>	
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

The stormwater management activities that the MS4 plans to undertake during Year 9 are described below.

In addition to the stormwater management activities described below, it is anticipated that the QLP will be reviewing and revising the SMPP template, which was last revised in April 2009, to better address the monitoring and program assessment requirements of General NPDES Permit No. ILR40. The Village of Fox Lake plans to develop and implement their SMPP in Year 9 and will review the revised SMPP template and incorporate changes that are beneficial to its stormwater management program into its existing SMPP. These changes may include the addition of a water quality monitoring program and a process for conducting an annual assessment of its stormwater management program and BMPs using environmental indicators.

### **Public Education and Outreach**

The Village of Fox Lake 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.

*Measurable Goal(s):*

- Provide new information on BMPs to homeowners associations known to have BMPs in place, as they become available.
- Make information from LC-SMC available for pick-up at Village Hall and/or electronically on Village website.
- Review and revise enhanced SMPP template, provided by QLP, language related to this provision by end of Year 9.

#### **BMP No. A.3: Public Service Announcement**

The SMC issues a public service announcement annually related to the NPDES Phase II in the Quarterly Newsletter, "Mainstream".

*Measurable Goal(s):*

- Make announcements provided by LC-SMC available through a link on the Village website.
- Review and revise enhanced SMPP template, provided by QLP, language related to this provision by end of Year 9.

#### **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.

*Measurable Goal(s):* -Publicize SWALCO events or provide a link to SWALCO on Village website, at a minimum.  
-Cooperate with SWALCO to host waste collection events within the Village on an occasional basis.  
-Attend annual technical training and public awareness workshops as sponsored by SMC regarding soil erosion and sediment control training by key Building Department and Public Works staff.  
-Review and revise enhanced SMPP template, provided by QLP, language related to this provision by end of Year 9.

**BMP No. A.5: Classroom Education**

The SMC develops stormwater educational materials for local teachers. The Village of Fox Lake will, at a minimum, make this information available to all citizen groups and local classrooms upon request. The Village of Fox Lake has begun testing different stormwater inlet stenciling products. They will continue to look for opportunities to involve citizen groups in a stenciling program.

*Measurable Goal(s):* -Make educational materials available for teachers upon request.  
-Continue implementation of stenciling program utilizing citizen groups (such as school children) in the activities.  
-Review and revise enhanced SMPP template, provided by QLP, language related to this provision by end of Year 9.

**BMP No. A.6: Other Public Education**

The Village provides additional educational materials to the general public.

*Measurable Goal(s):* -Post pertinent Village of Fox Lake stormwater-related information on the Village website.  
-Post NPDES Phase II and BMP resources on the Village website.  
-Review and revise enhanced SMPP template, provided by QLP, language related to this provision by end of Year 9.

**2. Public Participation/Involvement**

The Village of Fox Lake is committing to implementing the Public Participation/Involvement component of its Stormwater Management Program as described below.

**BMP No. B.1: Public Panel**

The SMC conducts public meetings and committee meetings including the Technical Advisory Committee (TAC), the Municipal Advisory Committee (MAC), and the Watershed Management Boards (WMBs). The Village of Fox Lake currently attends all MAC meetings, and monitors additional meetings as they arise.

*Measurable Goal(s):* -Continue to send a representative to MAC meetings hosted by LC-SMC and Watershed Management Board Meetings which are relevant to the Village of Fox Lake.

*-Review and revise enhanced SMPP template, provided by QLP, language related to this provision by end of Year 9.*

**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 Fox Lake, the Village will publicize stakeholder meetings locally and participate by being represented at the stakeholder meetings.

*Measurable Goal(s): -Continue to monitor all stakeholder meetings and send a representative to all meetings which are relevant to the Village of Fox Lake.*

**BMP No. B.4: Public Hearing**

The Village of Fox Lake will present updated information at Village Board Meetings, when applicable, regarding any stormwater regulation changes and/or SMPP development.

*Measurable Goal(s): -Present stormwater related updates at public Board Meetings.  
-Review and revise enhanced SMPP template language, provided by QLP, related to this provision by end of Year 9.  
-Upon completion of SMPP template, present to Village Board for review and approval.*

**BMP No. B.6: Program Coordination**

SMC has developed the Municipal Advisory Committee (MAC) to facilitate the coordination of the NPDES Phase II stormwater program in Lake County. The Village of Fox Lake has been involved in the MAC meetings through a representative. The Village will continue to participate in MAC meetings and review any guidance and reports as presented by SMC.

*Measurable Goal(s): -Continue to attend all MAC meetings and monitor all NPDES Phase II stormwater guidance presented by LC-SMC.  
-Review and revise enhanced SMPP template, provided by QLP, and language related to this provision by end of Year 9.*

**BMP No. B.7: Other Public Involvement**

The Village of Fox Lake will maintain and publicize illicit discharge/illegal dumping contact numbers for citizens to report illegal dumping and suspicious discharges.

*Measurable Goal(s): -Publish a complaint number on Village website for public reporting of any stormwater compliance issues. Track these complaints and their corresponding resolutions.  
-Review and revise enhanced SMPP template, provided by QLP, language related to this provision by end of Year 9.*

**3. Illicit Discharge Detection and Elimination**

The Village of Fox Lake 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 of Fox Lake has 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 9.

**BMP No. C.2: Regulatory Control Program**

The Village of Fox Lake will continue to prohibit non-storm water discharges to the storm sewer or drainage system through enforcement of the Lake County WDO and Village Code. The WDO includes provisions, which prohibit illegal dumping to the storm sewer or drainage system.

*Measurable Goal(s):* -Continue to enforce the ordinances and issue citations as necessary.  
-Review, revise and accept SMPP template language related to this provision by end of Year 9.

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

The Village of Fox Lake will continue implementing the schedule developed under the original NOI regarding illicit discharges. Detection methods include dry-weather screening during daily maintenance activities, regular storm sewer maintenance, and catch basin cleaning. Storm sewer and catch basin cleaning will continue to be completed at least once every 2 years. Perform dry weather screening during regular maintenance activities of all outfalls on a rotating basis with each outfall being inspected at least once every 5 years.

*Measurable Goal(s):* -Perform outfall inspections at least once every 5 years.  
-Continue storm sewer and catch basin cleaning once every 2 years to help in detection of illicit discharges.  
- Document all inspections and record potential illicit discharges.  
-Review, revise and accept SMPP template language related to this provision by end of Year 9.

**BMP No. C.4: Illicit Discharge Tracing Procedures**

The Village of Fox Lake will continue implementing the schedule developed under the original NOI regarding illicit discharges. Detection methods include dry-weather screening during maintenance activities, regular storm sewer maintenance, and catch basin cleaning. Storm sewer and catch basin cleaning will continue to be completed at least once every 2 years. Perform dry weather screening of all outfalls on a rotating basis with each outfall being inspected at least once every 5 years.

*Measurable Goal(s):* -Continue to utilize storm sewer map for illicit discharge tracing, as applicable.

*-Document all illicit discharges discovered and the actions taken for resolution.*

*-Review, revise and accept SMPP template language related to this provision by end of Year 9.*

**BMP No. C.5: Illicit Source Removal Procedures**

The Village of Fox Lake will continue implementing the schedule developed under the original NOI regarding illicit discharges. Detection methods include dry-weather screening during maintenance activities, regular storm sewer maintenance, and catch basin cleaning. Storm sewer and catch basin cleaning will continue to be completed at least once every 2 years. Perform dry weather screening of all outfalls on a rotating basis with each outfall being inspected at least once every 5 years.

*Measurable Goal(s): -Track complaints received and corresponding resolutions.*

*-Review, revise and accept SMPP template language related to this provision by end of Year 9.*

**BMP No. C.6: Program Evaluation and Assessment**

Periodically evaluate and assess the IDDE portion of the program. Collaborate and share information about IDDE program and results through MAC (sponsored by LC-SMC).

*Measurable Goal(s): -Continue to enforce ordinances.*

*-Review, revise and accept SMPP template language related to this provision by end of Year 9.*

**BMP No. C.7: Visual Dry Weather Screening**

The Village of Fox Lake will continue implementing the schedule developed under the original NOI regarding illicit discharges. Detection methods include dry-weather screening during maintenance activities, regular storm sewer maintenance, and catch basin cleaning. Storm sewer and catch basin cleaning will continue to be completed at least once every 2 years. Perform dry weather screening of all outfalls on a rotating basis with each outfall being inspected at least once every 5 years.

*Measurable Goal(s): -Perform outfall inspections at least once every 5 years.*

*-Continue storm sewer and catch basin cleaning once every 2 years to help in detection of illicit discharges.*

*-Review, revise and accept SMPP template language related to this provision by end of Year 9.*

**BMP No. C.9: Public Notification**

In order to promote compliance with the EPA NPDES program within the Village of Fox Lake, informational material will be distributed to all permitted dischargers within the Village in coordination with their business renewal licenses. This information packet will contain literature regarding illicit discharges and other stormwater related topics.

*Measurable Goal(s):* -Make illicit discharge information available on the Village website for commercial/industrial businesses which are permitted stormwater dischargers.  
-Notify property owners of any illicit discharges detected from their property.  
-Consider additional language in SMPP template language, and incorporate into program by end of Year 9.

#### **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 as described below.

##### **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 9.

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

See QLP description.

*Measurable Goal(s):* -Enforce WDO.  
-Continue construction site inspection within Village for compliance with ordinances.  
-Review, revise and accept SMPP template language related to this provision by end of Year 9.

##### **BMP No. D.3: Other Waste Control Program**

See QLP description. Continue brush collection program which is available for all residents upon request.

*Measurable Goal(s):* -Enforce WDO.  
-Continue brush collection program within the Village.  
-Review, revise and accept SMPP template language related to this provision by end of Year 9.

##### **BMP No. D.4: Site Plan Review Procedures**

See QLP description. Continue to stay in good standing with SMC.

*Measurable Goal(s): -Enforce WDO.  
-Review, revise and accept SMPP template language related to this provision by end of Year 9.*

**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): -Continue to track and respond to all erosion and sediment control complaints received.  
-Review, revise and accept SMPP template language related to this provision by end of Year 9.*

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

See QLP description. Continue current inspection and enforcement efforts.

*Measurable Goal(s): -Continue inspection and enforcement of all construction site and sediment and erosion control procedures within the Village of Fox Lake.  
-Review, revise and accept SMPP template language related to this provision by end of Year 9.*

**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 new development or redevelopment resulting in over 0.5 acres of new impervious area. The enforcement of the WDO implements BMPs as described below.

**BMP No. E.2: Regulatory Control Program**

See QLP description.

*Measurable Goal(s): -Enforce WDO.  
-Review, revise and accept SMPP template language related to this provision by end of Year 9.*

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

See QLP description. Continue to inspect and enforce all complaints of structural BMPs maintenance compliance within the Village of Fox Lake. Take enforcement measures as necessary.

*Measurable Goal(s): -Enforce WDO.  
-Continue providing new information to Homeowner's Associations as it becomes available.  
-Investigate all reported complaints regarding structural BMP maintenance and enforce if necessary.*

*-Review, revise and accept SMPP template language related to this provision by end of Year 9.*

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

See QLP description.

*Measurable Goal(s): -Enforce WDO.  
-Review, revise and accept SMPP template language related to this provision by end of Year 9.*

**BMP No. E.5: Site Inspections During Construction**

See QLP description.

*Measurable Goal(s): -Enforce WDO.  
-Continue periodic site visits of construction sites and follow-up visits in response to complaints received.  
-Review, revise and accept SMPP template language related to this provision by end of Year 9.*

**BMP No. E.6: Post-Construction Inspections**

See QLP description.

*Measurable Goal(s): -Enforce WDO.  
-Review, revise and accept SMPP template language related to this provision by end of Year 9.*

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

See QLP description.

*Measurable Goal(s): -Enforce WDO.  
-Continue to monitor progress made by SMC.  
-Attend any relevant meetings by SMC.*

**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. The Village of Fox Lake commits to implementation of BMPs as described below.

**BMP No. F.1: Employee Training Program**

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

*Measurable Goal(s): -Conduct Public Works new hire employee training regarding waste disposal, spill cleanup, and facilities operation and maintenance.*

- Attend LC-SMC sponsored training events as applicable for all key Building Department and Public Works staff.*
- Conduct information sharing opportunities where employees can share information from other seminars attended with other staff.*
- Review, revise and accept SMPP template language related to this provision by end of Year 9.*

**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. Street sweeping is performed on all streets at the beginning of Spring season, and major streets and streets with storm sewers are swept regularly through the Spring, Summer, and Fall seasons. Conduct storm sewer and catch basin cleaning at least once every 2 years and dry weather screening of all outfalls at least once every 5 years.

- Measurable Goal(s):*
- Continue street sweeping at the schedule developed in the original NOI.*
  - Perform outfall inspections and storm sewer and catch basin cleaning at the schedule developed in the original NOI.*
  - Review, revise and accept SMPP template language related to this provision by end of Year 9.*

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

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

- Measurable Goal(s):*
- Continue periodic evaluation of municipal facilities.*
  - Update facilities with necessary stormwater controls, if applicable.*
  - Continue minimizing the use of road salt applicable by utilizing a salt/sand application mix.*
  - Continue implementation of SWPPP for Public Works.*
  - Review, revise and accept SMPP template language related to this provision by end of Year 9.*

**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): -Construct salt storage shed upon receiving awarded grant money from the State of Illinois. In the meantime, continue proper cover of storage materials.  
-Review, revise and accept SMPP template language related to this provision by end of Year 9.*

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

See QLP description. The program currently implemented includes permit review processes in accordance with WDO regulation related to Floodplain Management. Additionally, the Village works closely with SMC regarding flood mitigation and flood control projects.

*Measurable Goals: -Monitor progress of SMC.  
- Enforce WDO.  
-Review, revise and accept SMPP template language related to this provision by end of Year 9.*

**BMP No. F.6: Other Municipal Operations Control**

Progress has taken place toward the construction of a salt dome to protect de-icing salt from the rain. Currently, plans have been made during the original NOI. Late in Year 7 the Village was notified they will be receiving grant money from the State of Illinois to aid in the construction of the salt dome. It is anticipated that the enhanced SMPP template may include measures beyond the current program scope.

*Measurable Goals: -Construct salt storage shed upon receiving awarded grant money from the State of Illinois. In the meantime, continue proper cover of storage materials.  
-Consider additional language in SMPP template language, and incorporate into program by end of Year 9.*

## **Part E. Notice of Qualifying Local Program**

The Lake County Stormwater Management Commission (SMC) serves as a Qualifying Local Program (QLP) for MS4s in Lake County. In accordance with the General Permit, as a QLP, SMC performs activities related to each of the six minimum control measures. This part of the Annual Report, which summarizes the stormwater management activities performed by SMC as a QLP, consists of the following five subparts:

- **Part E1** identifies changes to Best Management Practices (BMPs) that occurred during Year 8 and includes information about how these changes affected the QLP's stormwater management program.
- **Part E2** describes the stormwater management activities that the QLP performed during Year 8.
- **Part E3** summarizes the information and data collected by the QLP during Year 8.
- **Part E4** describes the stormwater management activities that the QLP plans to undertake during Year 9.
- **Part E5** lists the construction projects that were funded by the QLP during Year 8.

## Part E1. QLP Changes to Best Management Practices, Year 8

Note: X indicates BMPs that were implemented as planned  
 ✓ indicates BMPs that were changed during Year 8

Year 8	
QLP	
<b>A. Public Education and Outreach</b>	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
X	A.3 Public Service Announcement
X	A.4 Community Event
X	A.5 Classroom Education Material
X	A.6 Other Public Education
<b>B. Public Participation/Involvement</b>	
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
<b>C. Illicit Discharge Detection and Elimination</b>	
	C.1 Storm Sewer Map Preparation
X	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
	C.10 Other Illicit Discharge Controls

Year 8	
QLP	
<b>D. Construction Site Runoff Control</b>	
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
X	D.7 Other Construction Site Runoff Controls
<b>E. Post-Construction Runoff Control</b>	
	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
<b>F. Pollution Prevention/Good Housekeeping</b>	
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

## **Part E2. QLP Status of Compliance with Permit Conditions, Year 8**

The Lake County Stormwater Management Commission (SMC) serves as a Qualifying Local Program for MS4s in Lake County. In accordance with the General Permit, as a QLP, SMC performs activities related to each of the six minimum control measures. The stormwater management activities that the QLP performed during Year 8 are described below.

### **A. Public Education and Outreach**

#### **A.1 Distributed Paper Material**

*Measurable Goals: Distribute informational materials from “take away” rack at SMC. Upon request, distribute materials directly to municipalities for local distribution.*

**SMC distributes a variety of informational materials related to stormwater management through its “take away” rack and website.**

**Upon request, informational materials are distributed directly to Lake County MS4s in .PDF format for use on community websites, in community newsletters, and in community “take away” racks.**

#### **A.3 Public Service Announcement**

*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.*

**SMC includes announcements highlighting community accomplishments related to the NPDES Stormwater Program on its website, in its newsletter, and through other media outlets. For example, the SMC website includes information highlighting Lake County’s new Central Permit Facility, which opened in April 2010. The facility includes a number of green infrastructure practices that reduce stormwater runoff rates, volumes, and pollutant loads and is the “greenest” project that Lake County has completed to date.**

**Watershed identification signage is located throughout the county.**

#### **A.4 Community Event**

*Measurable Goals: Conduct or Co-sponsor workshop on NPDES related topic.*

**SMC sponsored or co-sponsored a number of workshops and events on stormwater-related topics between March 1, 2010 and February 28, 2011, including:**

- **Designated Erosion Control Inspector (DECI) Workshops held on May 12 & 13, 2010**
- **Homeowners Association (HOA) Stormwater Workshop held on June 2, 2010**
- **Riparian Landowners Workshop held on Sept. 18, 2011**
- **Roadway De-Icing Workshop held on Sept. 22, 2010**

- North Mill Creek/Dutch Gap Canal Watershed Tour held on Sept. 25, 2010
- Presentation on US EPA's proposed Effluent Limit Guidelines (ELGs) and ongoing Stormwater Rulemaking Process at Jan. 12, 2011 MAC meeting
- Presentation on implementing Total Maximum Daily Load (TMDL) regulations in the DuPage River & Salt Creek Watersheds at Jan. 12, 2011 MAC meeting
- DECI Workshops held on Feb. 8, 9 & 16, 2011

#### **A.5 Classroom Education**

*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.*

**Stormwater educational materials were compiled for use at several public education events that were held between March 1, 2010 and February 28, 2011, including the Lake County Green Living Fair, held in March 2010, and Loch Lomond Lake Day, held in August 2010.**

#### **A.6 Other Public Education**

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

**As new information and resource materials become available, they are posted to the SMC website and/or distributed directly to Lake County MS4s.**

### **B. Public Participation/Involvement**

#### **B.1 Public Panel**

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

**Notice of all public meetings continues to be provided on the SMC website and through direct mailings and e-mailings to distribution lists. SMC tracked the number of Stormwater Management Committee Board (SMC) meetings, Technical Advisory Committee (TAC) meetings, Municipal Advisory Committee (MAC), and Watershed Management Board (WMB) meetings conducted during Year 8. According to records, there were 11 SMC meetings, 10 TAC meetings, 4 MAC meetings, and 1 WMB meeting conducted during this period.**

#### **B.3 Stakeholder Meeting**

*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.*

**Notice of all stakeholder meetings continues to be provided on the SMC website and through direct mailings and e-mailings to stakeholder lists.**

**SMC tracked the number of stakeholder meetings conducted for the various watershed planning committees during Year 8. The list below summarizes the watershed planning committee meetings that were conducted during Year 8:**

**North Branch Chicago River Planning Committee – 3  
Bull Creek/Bull’s Brook Watershed Council – 4  
Indian Creek Watershed Committee – 2  
North Mill Creek Watershed Planning Committee – 10**

**SMC continues to establish watershed planning committees for each new watershed planning effort.**

#### **B.6 Program Coordination**

*Measurable Goals: Track number of MAC meetings conducted during Year 8.*

*Prepare draft report on Qualifying Local Program activities at end of Year 8.*

**SMC tracked the number of Municipal Advisory Committee (MAC) meetings conducted during Year 8. According to records, there were 4 MAC meetings conducted during this period.**

**The stormwater management activities that the QLP performed during Year 8 are described in the Annual Facility Inspection Report (Annual Report) template that was provided to Lake County MS4s. The stormwater management activities that the QLP will perform during Year 9 are described in Part E4 of the Annual Report template.**

#### **C. Illicit Discharge Detection and Elimination**

##### **C.2 Regulatory Control Program**

*Measurable Goal: Continue to enforce the countywide WDO.*

**SMC continues to enforce the countywide WDO.**

##### **C.10 Other Illicit Discharge Controls**

*Measurable Goal: Host and track number of attendees at the Illicit Discharge Detection and Elimination Training Workshop*

**SMC sponsored or co-sponsored a number of workshops and events on stormwater-related topics between March 1, 2010 and February 28, 2011, as described under BMP No. A.4.**

## **D. Construction Site Runoff Control**

### **D.1 Regulatory Control Program**

*Measurable Goals: Continue to enforce the countywide WDO.*

*Administer the Designated Inspector Program as outlined by the WDO.*

*Revise WDO to be consistent with new ILR10 permit conditions.*

**SMC continues to enforce the countywide WDO.**

**SMC continues to administer the Designated Erosion Control Inspector (DECI) program as outlined by the WDO.**

**A package of 83 amendments to the countywide WDO was released for public comment on Feb. 4, 2011. Since then, several additional amendments were added to address the requirements of the National Flood Insurance Program (NFIP). There are now proposed 91 amendments to the WDO. Two of these amendments will enhance the DECI program and update the DECI inspection requirements to match those of the new General NPDES Permit No. ILR10. SMC anticipates that these amendments will be approved during Year 9. Municipal adoption of the WDO amendments is also expected to occur during Year 9.**

### **D.2 Erosion and Sediment Control BMPs**

*Measurable Goal: Continue to enforce the countywide WDO.*

*Complete TRM updates, approve and publicize final TRM.*

*Revise WDO to be consistent with new ILR10 permit conditions.*

**SMC continues to enforce the countywide WDO.**

**The process of updating the TRM has been deferred until after the WDO amendment process is complete.**

**A package of 83 amendments to the countywide WDO was released for public comment on Feb. 4, 2011. Since then, several additional amendments were added to address the requirements of the National Flood Insurance Program (NFIP). There are now proposed 91 amendments to the WDO. Two of these amendments will address the Effluent Limitation Guidelines (ELGs) currently being developed by the US EPA, including guidelines on the erosion and sediment control BMPs that will need to be implemented on construction sites to meet the ELGs. SMC anticipates that these amendments will be approved during Year 9. Municipal adoption of the WDO amendments is also expected to occur during Year 9.**

### **D.3 Other Waste Control Program**

*Measurable Goal: Enforce WDO provisions regarding the control of waste and debris at construction sites.*

**SMC continues to enforce the countywide WDO.**

### **D.4 Site Plan Review Procedures**

*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.*

**SMC continues to track the number of enforcement officers (EOs) who have passed the EO exam and have become EOs. According to records, as of the end of Year 8, there are currently 87 EOs in Lake County.**

**All 55 certified and non-certified communities underwent a performance review between March 1, 2010 and February 28, 2011 as part of the community re-certification process.**

**The process of updating the TRM has been deferred until after the WDO amendment process is complete.**

**D.5 Public Information Handling Procedures**

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

**SMC continues to track the number of complaints received and processed related to soil erosion and sediment control.**

**According to records, between March 1, 2010 and February 28, 2011, 2 SE/SC complaints were received and processed by SMC staff.**

**D.6 Site Inspection/Enforcement Procedures**

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

**SMC continues to track the number of site inspections conducted by SMC staff.**

**According to records, between March 1, 2010 and February 28, 2011, 748 site inspections were conducted by SMC staff.**

**E. Post-Construction Runoff Control**

**E.2 Regulatory Control Program**

*Measurable Goal: Continue to enforce the countywide WDO.*

**SMC continues to enforce the countywide WDO.**

**A package of 83 amendments to the countywide WDO was released for public comment on Feb. 4, 2011. Since then, several additional amendments were added to address the requirements of the National Flood Insurance Program (NFIP). There are now proposed 91 amendments to the WDO. Ten of these amendments will update the runoff volume reduction hierarchy section of the ordinance in accordance with SMC's approved runoff volume reduction guidance principles and the requirements of the new General NPDES Permit No. ILR40. SMC anticipates that these amendments will be approved during Year 9. Municipal adoption of the WDO amendments is also expected to occur during Year 9.**

**E.3 Long Term O&M Procedures**

*Measurable Goal: Continue to enforce the countywide WDO.*

**SMC continues to enforce the countywide WDO.**

**E.4 Pre-Construction Review of BMP Designs**

*Measurable Goal: Continue to enforce the countywide WDO.*

**SMC continues to enforce the countywide WDO.**

**E.5 Site Inspections During Construction**

*Measurable Goal: Continue to enforce the countywide WDO.*

**SMC continues to enforce the countywide WDO.**

**E.6 Post-Construction Inspections**

*Measurable Goal: Continue to enforce the countywide WDO.*

**SMC continues to enforce the countywide WDO.**

**E.7 Other Post-Construction Runoff Controls**

*Measurable Goals: Conduct annual WMB meeting.*

*Contribute funding to flood reduction and water quality improvement projects, including BMP retrofits, through the WMB.*

**The annual WMB meeting was held on Thursday, December 9, 2010.**

**At the annual WMB meeting, 11 flood reduction and water quality improvement projects, including stormwater retrofit projects, were selected to receive \$146,000 of funding through the WMB.**

**F. Pollution Prevention/Good Housekeeping**

**F.1 Employee Training Program**

*Measurable Goal: Provide list of available resources to MS4s.*

*Make available the Excal Visual Municipal Storm Water Pollution Prevention Storm Watch Everyday Best Management Practices Software.*

**SMC continues to pass along information on training opportunities and training resources and to make available the Excal Visual Storm Watch Municipal Stormwater Pollution Prevention software to Lake County MS4s.**

**According to records, between March 1, 2010 and February 28, 2011, 1 MS4 borrowed the Excal Visual software.**

**F.5 Flood Management/Assess Guidelines**

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

**SMC continues evaluate all SMC-sponsored projects for multi-objective opportunities, such as flood control and water quality.**

### **Part E3. QLP Information and Data Collection Results, Year 8**

The QLP did not collect any information or monitoring data on behalf of Lake County's MS4s during Year 8. However, beginning in Year 9, the QLP anticipates reviewing the information presented by the IEPA in the Illinois Integrated Water Quality Report and 303(d) List and providing a summary of this information to Lake County MS4s in an annual "state of Lake County's waters" report. This information may be used by MS4s while they are preparing future Annual Reports.

## Part E4. QLP Summary of Year 9 Stormwater Activities

The table below indicates the stormwater management activities that the QLP plans to undertake during Year 9. Additional information about the BMPs and measurable goals that the QLP will implement during Year 9 is provided in the section following the table.

**Note:** X indicates BMPs that will be implemented during Year 9

Year 9	
QLP	
<b>A. Public Education and Outreach</b>	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
X	A.3 Public Service Announcement
X	A.4 Community Event
X	A.5 Classroom Education Material
X	A.6 Other Public Education
<b>B. Public Participation/Involvement</b>	
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
<b>C. Illicit Discharge Detection and Elimination</b>	
	C.1 Storm Sewer Map Preparation
X	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 9	
QLP	
<b>D. Construction Site Runoff Control</b>	
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
X	D.7 Other Construction Site Runoff Controls
<b>E. Post-Construction Runoff Control</b>	
	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
<b>F. Pollution Prevention/Good Housekeeping</b>	
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

In addition to the stormwater management activities described below, during Year 9, SMC will continue to provide general support to Lake County MS4s as they continue to implement their stormwater management programs. During Year 9, SMC will again review and revise the Stormwater Management Program Plan (SMPP) template, which was last revised in April 2009, to better address the monitoring and program assessment requirements of General NPDES Permit No. ILR40.

#### **A. Public Education and Outreach**

SMC will support Lake County MS4s by performing activities related to the Public Education and Outreach minimum control measure.

##### **A.1 Distributed Paper Material**

SMC develops and distributes a variety of materials related to stormwater management in Lake County. SMC prepares a quarterly newsletter, "Mainstream" as well as an Annual Report that highlights stormwater management activities conducted in Lake County. SMC also prepares Project Fact Sheets that provide information on ongoing and recently completed stormwater management projects. SMC will develop or collaborate on manuals or manual updates related to stormwater management.

*Measurable Goals: Distribute informational materials from "take away" rack at SMC. Upon request, distribute materials directly to municipalities for local distribution.*

##### **A.3 Public Service Announcement**

A public service announcement related to the NPDES Phase II program will be written and included in SMC's Quarterly Newsletter, "Mainstream." SMC will coordinate with the Lake County Department of Transportation (LCDOT) to post watershed identification signage in watersheds where watershed planning activities occur. Upon request, SMC will provide an educational presentation on the NPDES Stormwater Management Program to Lake County MS4s.

A package of 83 amendments to the countywide WDO was released for public comment on Feb. 4, 2011. Since then, several additional amendments were added to address the requirements of the National Flood Insurance Program (NFIP). There are now proposed 91 amendments to the WDO. A number of these amendments are being proposed to match the requirements of IEPA's General NPDES Permit No. ILR10 and General NPDES Permit No. ILR40. SMC anticipates that these amendments will be approved during Year 9. SMC will host a public hearing on the proposed amendments prior to their approval.

*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. Upon request, present "The Big Picture: Water Quality, Regulations & NPDES" to Lake County MS4s. Host a public hearing on the proposed WDO amendments.*

#### **A.4 Community Event**

SMC sponsors technical training and public awareness workshops. SMC will sponsor or co-sponsor at least one workshop on a NPDES related topic, such as best management practices that can be used to protect water quality.

*Measurable Goals: Conduct or co-sponsor workshop on NPDES related topic.*

#### **A.5 Classroom Education**

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.*

#### **A.6 Other Public Education**

SMC maintains 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, ongoing projects, and publications, provide for the download of many SMC documents, and provide links to other NPDES Phase II and BMP resources.

*Measurable Goals: Maintain and update the NPDES Phase II portion SMC website with resource materials such as model ordinances, case studies, brochures and web links.  
Make "The Big Picture: Water Quality, Regulations & NPDES" presentation available to Lake County MS4s.*

### **B. Public Participation/Involvement**

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

#### **B.1 Public Panel**

SMC coordinates and conducts public meetings as well as 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, review, and revision of the Watershed Development Ordinance (WDO) and the associated administrative policies and procedures. TAC is made up of representatives from the development, environmental, municipal, and consulting 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 firm, and county representatives. The MAC will continue to meet as needed during the implementation of the NPDES Municipal Stormwater Program.

The Watershed Management Board (WMB) meets 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 found within each of Lake County's four major watersheds.

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

### **B.3 Stakeholder Meeting**

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.*

### **B.6 Program Coordination**

The countywide approach that has been taken toward the implementation the NPDES Municipal Stormwater Program in Lake County places SMC in the role of a Qualifying Local Program (QLP). In this role, SMC proactively formed the Municipal Advisory Committee (MAC) as a way to coordinate the efforts of regulated MS4s across Lake County. The SMC will continue to facilitate MAC meetings and will continue to provide general support to Lake County's MS4s as they implement their stormwater management programs. SMC will prepare a draft report on the QLP's stormwater management activities and will provide guidance to MS4s in preparing their annual reports.

*Measurable Goals: Track number of MAC meetings conducted during Year 9.  
Prepare draft report on Qualifying Local Program activities at end of Year 9.*

## **C. Illicit Discharge Detection and Elimination**

SMC will support Lake County MS4s by performing activities related to the Illicit Discharge Detection and Elimination minimum control measure.

### **C.2 Regulatory Control Program**

SMC provided model ordinances for MS4s to consider at the local level. The language included in the model ordinances prohibits all non-stormwater discharges, including illegal

dumping, to the storm sewer system. Additionally, the countywide WDO includes provisions that prohibit illegal discharges to the storm sewer system.

*Measurable Goal: Continue to enforce the countywide WDO.*

#### **C.10 Other Illicit Discharge Controls**

SMC sponsors technical training workshops. SMC will sponsor or co-sponsor an illicit discharge detection and elimination training workshop and track the number of attendees that attend the workshop.

*Measurable Goal: Host and track number of attendees at the Illicit Discharge Detection and Elimination Training Workshop*

#### **D. Construction Site Runoff Control**

Lake County has adopted a countywide Watershed Development Ordinance (WDO) that establishes the minimum stormwater management requirements for development in Lake County. The WDO, which is enforced by SMC, as well as by certified communities in Lake County, establishes standards for construction site runoff control. SMC will support Lake County MS4s in the implementation of the construction site runoff control minimum control measure by enforcing the WDO and performing other stormwater activities, as described below.

##### **D.1 Regulatory Control Program**

The WDO has been adopted as the regulatory mechanism for requiring erosion and sediment controls for construction activities in Lake County. The soil erosion and sediment 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 has also created a Designated Erosion Control Inspector (DECI) program. The purpose of the program is to facilitate positive communication between the permit issuing agency, whether it be SMC or a certified community, and the permit holder, by creating a single point of contact for soil erosion and sediment control issues. Furthermore, the program is intended to improve site conditions, minimize environmental impacts, and educate contractors, developers, and inspectors about proper soil erosion and sediment control BMPs. The DECI program was designed to closely mirror the inspection requirements of General NPDES Permit No. ILR10.

A package of 83 amendments to the countywide WDO was released for public comment on Feb. 4, 2011. Since then, several additional amendments were added to address the requirements of the National Flood Insurance Program (NFIP). There are now proposed 91 amendments to the WDO. Two of these amendments will enhance the DECI program and update the DECI inspection requirements to match those of the new General NPDES Permit No. ILR10. SMC anticipates that these amendments will be approved during Year 9. Municipal adoption of the WDO amendments is also expected to occur during Year 9.

*Measurable Goals: Continue to enforce the countywide WDO.  
Administer the Designated Inspector Program as outlined by the WDO.  
Adopt WDO amendments  
Conduct or co-sponsor training sessions on the WDO amendments.*

## **D.2 Erosion and Sediment Control BMPs**

Article IV, Section B.1.j of the WDO specifies the soil erosion and sediment control measures that must be used in conjunction with any land disturbing activity. This section of the WDO specifies 15 soil erosion and sediment control BMPs 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 whenever possible; use controls that are appropriate for the size of the 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.

SMC has also prepared a Technical Reference Manual (TRM) to accompany the WDO. The TRM is used to guide the creation of development plans that are in compliance with the provisions of the WDO and provides detailed information on the use of soil erosion and sedimentation control BMPs. The TRM is currently being updated and expanded to include guidance on wetland areas, public roadways, and ordinance administration and enforcement.

A package of 83 amendments to the countywide WDO was released for public comment on Feb. 4, 2011. Since then, several additional amendments were added to address the requirements of the National Flood Insurance Program (NFIP). There are now proposed 91 amendments to the WDO. Two of these amendments will address the Effluent Limitation Guidelines (ELGs) currently being developed by the US EPA, including guidelines on the erosion and sediment controls that will need to be implemented on construction sites to meet the ELGs. SMC anticipates that these amendments will be approved during Year 9. Municipal adoption of the WDO amendments is also expected to occur during Year 9.

*Measurable Goal: Continue to enforce the countywide WDO.  
Complete TRM update and work toward the approval and publication of the TRM.  
Adopt WDO amendments.  
Conduct or co-sponsor training sessions on the WDO amendments.*

## **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.*

#### **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 to 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' enforcement records and performance. Ongoing updates to the TRM include the addition of sections that discuss WDO administration and enforcement.

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

#### **D.5 Public Information Handling Procedures**

SMC provides a number of opportunities for the receipt and consideration of information submitted by the public. SMC's 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 and concerns. An Interagency Coordination Agreement between SMC, the US 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 actions. This information is provided directly to the property owner. Where applicable, investigations are coordinated with the certified community.

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

#### **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 is responsible for conducting site inspections in non-certified communities and on LCDOT and Lake County Forest Preserve District (LCFPD) projects. Article VII of the WDO specifies the penalties and legal actions that may be imposed if the WDO is violated. If a construction site is not in compliance with the requirements of the WDO, the enforcement officer may issue a stop work order on all development activity on the subject property or on the activities that are 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.*

#### **E. 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 that results in over 0.5 acres of new impervious

area. SMC will support Lake County MS4s in the implementation of the post-construction runoff control minimum control measure by enforcing the WDO and performing other stormwater activities, as described below.

### **E.2 Regulatory Control Program**

The WDO requires all applicants to adopt a stormwater management strategy for controlling post-construction stormwater runoff. The applicant must develop a stormwater management strategy that minimizes the increase in stormwater runoff rates and volumes and addresses the water quality treatment requirements of the WDO. The proposed drainage plan must use the runoff reduction hierarchy included in the WDO and must implement BMPs in accordance with the guidance provided in the TRM.

A package of 83 amendments to the countywide WDO was released for public comment on Feb. 4, 2011. Since then, several additional amendments were added to address the requirements of the National Flood Insurance Program (NFIP). There are now proposed 91 amendments to the WDO. Ten of these amendments will update the runoff volume reduction hierarchy section of the ordinance in accordance with SMC's approved runoff volume reduction guidance principles and the requirements of the new General NPDES Permit No. ILR40. SMC anticipates that these amendments will be approved during Year 9. Municipal adoption of the WDO amendments is also expected to occur during Year 9.

*Measurable Goal: Continue to enforce the countywide WDO.  
Adopt WDO amendments.  
Conduct or co-sponsor training sessions on the WDO amendments.*

### **E.3 Long Term O&M Procedures**

The WDO requires that a maintenance plan be developed for all components of the stormwater management systems designed 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, 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 WDO 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.*

### **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 to issue permits for those projects that are in compliance with the provisions of the WDO. This includes a review of the BMPs that will be used for post-construction runoff control.

*Measurable Goal: Continue to enforce the countywide WDO.*

### **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 developments 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 the removal of sediment controls.

*Measurable Goal: Continue to enforce the countywide WDO.*

### **E.6 Post-Construction Inspections**

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 developments 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 the removal of sediment controls.

*Measurable Goal: Continue to enforce the countywide WDO.*

### **E.7 Other Post-Construction Runoff Controls**

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

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

## **F. Pollution Prevention/Good Housekeeping**

SMC will support Lake County MS4s by performing activities related to the Pollution Prevention/Good Housekeeping minimum control measure.

### **F.1 Employee Training Program**

SMC will assist MS4s in employee training programs by incorporating recommended actions into the SMPP template. Additionally, SMC will serve as a technical advisor and as a clearinghouse of information related to employee training. SMC will sponsor or co-sponsor employee training programs.

*Measurable Goal: Provide list of available resources to MS4s.  
Make available the Excal Visual Municipal Storm Water  
Pollution Prevention Storm Watch Everyday Best Management  
Practices Software.*

**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.*



