MS4 Annual Facility Inspection Report

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

Permit Year 10: March 2012 to February 2013

City of North Chicago

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Part A. MS4 Changes to Best Management Practices, Year 10

Information regarding the status of all of the BMPs and measurable goals described in the MS4's SMPP is provided in the following table.

Note: X indicates BMPs that were implemented in accordance with the MS4's SMPP
✓ indicates BMPs that were changed during Year 10

Year 10 MS4	
A. Public Education and Outreach	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
	A.3 Public Service Announcement
✓	A.4 Community Event
	A.5 Classroom Education Material
✓	A.6 Other Public Education
B. Public Participation/Involvement	
	B.1 Public Panel
	B.2 Educational Volunteer
X	B.3 Stakeholder Meeting
	B.4 Public Hearing
	B.5 Volunteer Monitoring
✓	B.6 Program Coordination
	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
✓	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
X	C.8 Pollutant Field Testing
X	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 10 MS4	
D. Construction Site Runoff Control	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
X	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
X	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
X	E.4 Pre-Const Review of BMP Designs
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
✓	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
X	F.1 Employee Training Program
✓	F.2 Inspection and Maintenance Program
✓	F.3 Municipal Operations Storm Water Control
✓	F.4 Municipal Operations Waste Disposal
	F.5 Flood Management/Assess Guidelines
	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 10 is provided below.

A. Public Education and Outreach

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

A.4 Stormwater educational brochures were made available at the annual Community Day.
A.6 Provided updates to website. Stormwater Literature was made available to public at City Council meetings

B. Public Participation/Involvement

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

B-6 Stormwater Program has been coordinated with SMC. Relevant stormwater information from SMC was passed on to home owners associations, and the public

C. Illicit Discharge Detection and Elimination

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

C.1 A map of Outfalls and Basins was created and updated

E. Post Construction Runoff Control

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

E.7 Non-active sites that are currently under NPDES permits are being monitored for compliance.

F. Pollution Prevention/Good Housekeeping

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

F.2 The City is continuing inspections and are checking and cleaning "problem" areas to keep from flooding.
F.3, F.4 North Chicago implemented a televising and cleaning program for storm and sanitary sewers. They continue with street sweeping operations.

Part B. MS4 Status of Compliance with Permit Conditions, Year 10

Stormwater Management Activities, Year 10
The stormwater management activities that the MS4 performed during Year 10 and the status of each of the BMPs and measurable goals described in the MS4's SMPP, as of the end of Year 10, are described below. The MS4's SMPP can be viewed at http://www.northchicago.org/Tracking forms are used to track the implementation of the BMPs described in the MS4's SMPP.

A. Public Education and Outreach

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

The MS4 continues to implement the BMPs described in its SMPP and to track progress in implementing its stormwater management program.

Various NPDES II related information is available on the City of North Chicago's "take away" rack and website.

Continue addition of a stormwater "tip" in the City newsletter.

B. Public Participation/Involvement

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

The MS4 continues to implement the BMPs described in its SMPP and to track progress in implementing its stormwater management program.
The MS4's Year 9 Annual Report was placed online for public viewing.

Attended MAC meeting as possible.

Attended North Brach of the Chicago River meeting as possible.

C. Illicit Discharge Detection and Elimination

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

The MS4 continues to implement the BMPs described in its SMPP and to track progress in implementing its stormwater management program.

The MS4 continues to enforce the WDO.

D. Construction Site Runoff Control

Measurable Goal(s): Implement, and track progress, of BMPs as described in the SMPP. Enforce WDO in ensuring that all applicable developments are in compliance with the WDO

The MS4 continues to implement the BMPs described in its SMPP and to track progress in implementing its stormwater management program.
The MS4 continues to enforce the WDO in ensuring that all applicable developments are in compliance with the WDO.

E. Post-Construction Runoff Control

Measurable Goal(s): Implement, and track progress, of BMPs as described in the SMPP. Enforce WDO in ensuring that all applicable developments are in compliance with the WDO.

The MS4 continues to implement the BMPs described in its SMPP and to track progress in implementing its stormwater management program.
The MS4 continues to enforce the WDO in ensuring that all applicable developments are in compliance with the WDO.

F. Pollution Prevention/Good Housekeeping

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

The MS4 continues to implement the BMPs described in its SMPP and to track progress in implementing its stormwater management program.

New employees are provided training using the Excal Visual Stormwatch Video

Stormwater Management Program Assessment, Year 10
An overall assessment of the MS4's stormwater management program and the appropriateness of its BMPs is provided below.

During Year 10, SMC (i.e., the QLP) completed a minor revision of the SMPP template, which was last revised in April 2009, to provide additional guidance on addressing the annual program assessment requirements of IEPA's General NPDES Permit No. ILR40. The MS4 will review the revised SMPP template and will incorporate the changes that are applicable to its stormwater management program into its SMPP. Those changes may include the addition of a process for conducting an annual evaluation of its stormwater management program activities (i.e., BMPs) and the appropriateness of its stormwater management program. The MS4 anticipates that, in the future, it will begin using this process to evaluate the appropriateness of its stormwater management program.

Annual Monitoring and Data Collection, Year 10
Information and data that the MS4 collected to meet the annual monitoring requirement of IEPA's General NPDES Permit No. ILR40 are summarized below.

Water quality sampling was conducted within the receiving waters, both upstream and downstream of the MS4's stormwater discharges. At these locations, the physical characteristics of the sampling point were observed. Collected water quality samples were tested for: copper, chlorine, alkalinity, hardness, and pH)]. There were no noticeable increases in these water quality parameters between the upstream and downstream sampling locations.

IDDE Monitoring and Data Collection, Year 10
Information and data that the MS4 collected as part of its illicit discharge detection and elimination program are summarized below.

Dry weather flows were investigated at stormwater outfalls. No potential illicit discharges were identified at any of these locations.

Part D. MS4 Summary of Year 11 Stormwater Activities

The table below indicates the stormwater management activities that the MS4 plans to undertake during Year 11. Additional information about the BMPs and measurable goals that the MS4 will implement during Year 11 is provided in the section following the table.

Note: X indicates BMPs that will be implemented during Year 11

Year 11 MS4	
A. Public Education and Outreach	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
	A.3 Public Service Announcement
	A.4 Community Event
X	A.5 Classroom Education Material
X	A.6 Other Public Education
B. Public Participation/Involvement	
	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
X	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
X	C.3 Detection/Elimination Prioritization Plan
X	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
X	C.6 Program Evaluation and Assessment
X	C.7 Visual Dry Weather Screening
X	C.8 Pollutant Field Testing
X	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 11 MS4	
D. Construction Site Runoff Control	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
X	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
X	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
X	E.4 Pre-Const Review of BMP Designs
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
X	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
X	F.1 Employee Training Program
X	F.2 Inspection and Maintenance Program
X	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

The stormwater management activities that the MS4 plans to undertake during Year 11 are described in detail in the MS4's SMPP and in brief below. The MS4's SMPP can be viewed at http://www.northchicago.org/. The MS4 will continue to use tracking forms to track the implementation of the BMPs described in its SMPP.

A. Public Education and Outreach

The MS4 is committing to implementing the Public Education and Outreach component of its SMPP. The MS4's Public Education and Outreach program includes: the distribution of educational material to the community or conducting equivalent outreach activities about the impacts of stormwater discharges on water bodies and the steps that the public can take to reduce those impacts and supporting SWALCO events.

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

B. Public Participation/Involvement

The MS4 is committing to implementing the Public Participation/Involvement component of its SMPP. The MS4's Public Participation/Involvement program includes: maintaining a process for receiving and processing citizen input and publicizing IDDE reporting contact numbers.

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

C. Illicit Discharge Detection and Elimination

The MS4 will conduct activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control measure. According to IEPA's General NPDES Permit No. ILR40, the MS4's IDDE program must include:

- A storm sewer system map showing the locations of all outfalls and the names and locations of all waters that receive discharges from those outfalls;
- An ordinance or other regulatory mechanism that prohibits all non-storm water discharges into the storm sewer system and provides the authority for appropriate enforcement procedures and actions;
- A plan to detect and address all non-stormwater discharges, including illegal dumping, into the storm sewer system;
- A program to educate public employees, businesses, and the general public about the hazards associated with illegal discharges and improper disposal of waste; and,
- Periodic (annual is recommended) inspection of storm sewer outfalls for detection of non-stormwater discharges and illegal dumping.

Measurable Goal(s): Implement, and track progress, of BMPs as described in the SMPP. Conduct dry weather screening and associated water quality testing in accordance with the procedures outlined in the SMPP.

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 administered and enforced within the community by the MS4, establishes standards for construction site runoff control.

Measurable Goal(s): Implement, and track progress, of BMPs as described in the SMPP. Enforce WDO in ensuring that all applicable developments are in compliance with the WDO.

E. Post-Construction Runoff Control

As described above, the countywide WDO establishes the minimum stormwater management requirements for development in Lake County. The WDO establishes standards for post-construction site runoff control. These standards apply to any new development or redevelopment resulting in over 0.5 acres of new impervious area. The MS4's SMPP also includes inspection procedures for pre-WDO developments, streambanks and shorelines, streambeds, and detention/retention ponds.

Measurable Goal(s): Implement, and track progress, of BMPs as described in the SMPP. Enforce WDO in ensuring that all applicable developments are in compliance with the WDO.

F. Pollution Prevention/Good Housekeeping

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

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

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 IEPA's General NPDES Permit No. ILR40, 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 10 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 10.
- **Part E3** summarizes the information and data collected by the QLP during Year 10.
- **Part E4** describes the stormwater management activities that the QLP plans to undertake during Year 11.
- **Part E5** lists the construction projects that were funded by the QLP during Year 10.

Part E1. QLP Changes to Best Management Practices, Year 10

Note: X indicates BMPs that were implemented as planned
✓ indicates BMPs that were changed during Year 10

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

Part E2. QLP Status of Compliance with Permit Conditions, Year 10

The Lake County Stormwater Management Commission (SMC) serves as a Qualifying Local Program (QLP) for MS4s in Lake County. In accordance with IEPA's NDPES General Permit No. ILR40, 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 10 are described below.

A. Public Education and Outreach

A.1 Distributed Paper Material

Measurable Goal(s): 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 Goal(s): Include public service announcement highlighting community accomplishments related to IEPA's NPDES Stormwater Program in "Mainstream" once annually.
Post watershed identification signage with LCDOT.
Upon request, present "The Big Picture: Water Quality, Regulations & NPDES" to Lake County MS4s.

SMC includes announcements highlighting community accomplishments related to the NPDES Municipal Stormwater Program on its website, in its newsletter, and through other media outlets.
Watershed identification signage is located throughout the county.
SMC made the "The Big Picture: Water Quality, Regulations & NPDES" presentation available to Lake County MS4s upon request. According to records, between March 1, 2012 and February 28, 2013, no MS4s requested the presentation.

A.4 Community Event

Measurable Goal(s): Sponsor or co-sponsor workshop on a topic related to IEPA's NPDES Stormwater Program.

SMC sponsored or co-sponsored a number of workshops and events on stormwater-related topics between March 1, 2012 and February 28, 2013, including:

- **Webcast on Stormwater Retrofitting: A Guide to Retrofitting the World on Feb. 29, 2012**

- **Illicit Discharge Detection and Elimination Training Workshop held on Mar. 20, 2012**
- **Webcast on Stormwater Retrofit Construction Issues on Apr. 18, 2012**
- **Homeowners Association (HOA) Stormwater Maintenance Workshop held on Apr. 19, 2012**
- **Presentation on NPDES Pesticide General Permit at May 9, 2012 MAC meeting**
- **Presentation on Skokie River Stream Assessment at May 9, 2012 MAC meeting**
- **Webcast on Stream Restoration: Implementation You Can Take to the Bank on Jun. 20, 2012**
- **Presentation on the Root-Pike Watershed Initiative Network at Jul. 11, 2012 MAC meeting**
- **Designated Erosion Control Inspector (DECI) Workshop held on Aug. 1, 2012**
- **Native Landscaping for Stormwater Management Practices Workshop held on Aug. 7, 2012**
- **Webcast on Get the Dirt on Stormwater on Aug. 15, 2012**
- **Presentation on the Total Maximum Daily Load (TMDL) Program in Illinois at Sep. 12, 2011 MAC meeting**
- **Presentation on the 9 Lakes Total Maximum Daily Load (TMDL) Implementation Planning Process at Sep. 12, 2011 MAC meeting**
- **Roadway De-Icing Workshop held on Oct. 2 & 3, 2012**
- **Webcast on Leaving You Out in the Rain: Design and Implementation of Monitoring Projects on Oct. 24, 2012**
- **Presentation on Lake County, IL Pollution Prevention/Good Housekeeping Program at Nov. 14, 2012 MAC meeting**
- **Presentation on Addison, IL Illicit Discharge Detection and Elimination Program at Nov. 14, 2012 MAC meeting**
- **Webcast on Customizing Stormwater BMP Design for Specific Pollutants on Dec. 12, 2012**
- **Webcast on Losing 10 Pounds of Pollution Without Structural BMPs: the Joys of Good Housekeeping on Feb. 13, 2013**

A.5 Classroom Education

Measurable Goal(s): 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, 2012 and February 28, 2013, including:

- **Lake County Green Living Fair held in Libertyville on Mar. 17, 2012**
- **Abbott Labs Green Initiatives Presentation on Apr. 5, 2012**

- **Gurnee Mills Green Expo held in Gurnee on Apr. 27, 2012**
- **County Green 2012 held at the College of Lake County on May 17, 2012**
- **Loch Lomond Property Owners Association's Loch Fest held in Mundelein on Jul. 28, 2012**
- **Wild Ones Presentation on Jan. 7, 2013**

A.6 Other Public Education

Measurable Goal(s): Maintain and update the portion of the SMC website dedicated to IEPA's NPDES Stormwater Program 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.

As new information and resource materials become available, they are posted to the SMC website and/or distributed directly to Lake County MS4s.
SMC made the "The Big Picture: Water Quality, Regulations & NPDES" presentation available to Lake County MS4s upon request. According to records, between March 1, 2012 and February 28, 2013, no MS4s requested the presentation.

B. Public Participation/Involvement

B.1 Public Panel

Measurable Goal(s): 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 10. According to records, there were 9 SMC meetings, 7 TAC meetings, 4 MAC meetings, and 1 WMB meeting conducted during this reporting period.

B.3 Stakeholder Meeting

Measurable Goal(s): 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 the reporting period. The list below summarizes the watershed planning committee meetings that were conducted during Year 10:

- **North Branch Chicago River Planning Committee – 4**
- **Skokie River Consortium – 1**
- **Bull Creek/Bull's Brook Watershed Council – 4**
- **Indian Creek Watershed Committee – 1**
- **Buffalo Creek Clean Water Partnership – 4**
- **Flint Creek Watershed Partnership – 5**
- **Tower Lake Drain Watershed Partnership – 2**

SMC continues to establish and/or assist watershed planning committees for each new watershed planning effort.

B.6 Program Coordination

Measurable Goal(s): Track number of MAC meetings conducted during Year 10. Prepare annual report on Qualifying Local Program activities at end of Year 10.

SMC tracked the number of Municipal Advisory Committee (MAC) meetings conducted during Year 10. According to records, there were 4 MAC meetings conducted during this reporting period.
The stormwater management activities that SMC performed as a QLP during Year 10 are described in the Annual Facility Inspection Report (i.e., Annual Report) template provided to Lake County MS4s. The stormwater management activities that SMC plans to perform as a QLP during Year 11 are described in Part E4 of the Annual Report template.

C. Illicit Discharge Detection and Elimination

C.2 Regulatory Control Program

Measurable Goal(s): Continue to enforce the countywide WDO.

SMC continues to enforce the countywide WDO.

C.10 Other Illicit Discharge Controls

Measurable Goal(s): Sponsor or co-sponsor and track the number of attendees at an Illicit Discharge Detection and Elimination workshop or other training workshop related to IEPA's NPDES Stormwater Program.

SMC co-sponsored an Illicit Discharge Detection and Elimination Training Workshop on March 20, 2012. According to records, 69 people attended the training workshop.

D. Construction Site Runoff Control

D.1 Regulatory Control Program

Measurable Goal(s): Continue to enforce the countywide WDO.

Administer the Designated Erosion Control Inspector (DECI) program outlined by the WDO.

SMC continues to enforce the countywide WDO.
SMC continues to administer the Designated Erosion Control Inspector (DECI) program as outlined by the WDO.
Lake County approved and adopted 94 amendments to the countywide WDO on July 10, 2012. Seven of those amendments modified the construction site runoff control program, enhancing the Designated Erosion Control Inspector (DECI) program and updating the DECI inspection requirements to match those of the latest version of IEPA's General NPDES Permit No. ILR10. Training sessions on the WDO amendments, including those that modified the construction site runoff control program, were held on September 5, 14, 25 & 26, 2012.

D.2 Erosion and Sediment Control BMPs

Measurable Goal(s): *Continue to enforce the countywide WDO.*
Complete TRM update and work toward final approval and publication of the document.

SMC continues to enforce the countywide WDO.
The TRM is currently being updated to include guidance on the WDO amendments as well as ordinance administration and enforcement.

D.3 Other Waste Control Program

Measurable Goal(s): *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 Goal(s): *Track number of enforcement officers who have passed the exam.*
Track number of communities that undergo a performance review.
Complete ordinance administration and enforcement 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 10, there were 92 EOs in Lake County.
SMC completed a cycle of the community re-certification process, which included a performance review of all 53 certified and non-certified communities, during the previous reporting period (i.e., Year 9). In accordance with the amended countywide WDO, the next cycle of the community re-certification process is scheduled to be completed in 2017.
The TRM is currently being updated to include guidance on the WDO amendments as well as ordinance administration and enforcement.

D.5 Public Information Handling Procedures

Measurable Goal(s): 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, 2012 and February 28, 2013, 0 SE/SC complaints were received and processed by SMC staff.

D.6 Site Inspection/Enforcement Procedures
Measurable Goal(s): 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, 2012 and February 28, 2013, 573 site inspections were conducted by SMC staff.

E. Post-Construction Runoff Control

E.2 Regulatory Control Program
Measurable Goal(s): Continue to enforce the countywide WDO.

SMC continues to enforce the countywide WDO.
Lake County approved and adopted 94 amendments to the countywide WDO on July 10, 2012. Eleven of those amendments modified the post-construction runoff control program, by creating a "credits and incentives" approach to the runoff volume reduction (RVR) requirements of the latest version of IEPA's General NPDES Permit No. ILR40. Training sessions on the WDO amendments, including those that modified the post-construction runoff control program, were held on September 5, 14, 25 & 26, 2012.

E.3 Long Term O&M Procedures
Measurable Goal(s): Continue to enforce the countywide WDO.

SMC continues to enforce the countywide WDO.

E.4 Pre-Construction Review of BMP Designs
Measurable Goal(s): Continue to enforce the countywide WDO.

SMC continues to enforce the countywide WDO.

E.5 Site Inspections During Construction
Measurable Goal(s): Continue to enforce the countywide WDO.

SMC continues to enforce the countywide WDO.

E.6 Post-Construction Inspections
Measurable Goal(s): Continue to enforce the countywide WDO.

SMC continues to enforce the countywide WDO.

E.7 Other Post-Construction Runoff Controls

Measurable Goal(s): Conduct annual WMB meeting.
Contribute funding to flood reduction and water quality improvement projects, including stormwater retrofits, through the WMB.

The annual WMB meeting was held on Dec. 13, 2012.
At the annual WMB meeting, 15 flood reduction and water quality improvement projects, including stormwater retrofit projects, were selected to receive just over $141,000 of funding through the WMB.

F. Pollution Prevention/Good Housekeeping

F.1 Employee Training Program

Measurable Goal(s): Provide list of available resources to MS4s.
Sponsor or co-sponsor employee training workshops or events.
Make available the Excal Visual Municipal Storm Water Pollution Prevention Storm Watch Everyday Best Management Practices software.

SMC continues to provide information on training opportunities and training resources to Lake County MS4s.
SMC continues to make available the Excal Visual Storm Watch Municipal Stormwater Pollution Prevention software to Lake County MS4s. According to records, between March 1, 2012 and February 28, 2013, 1 MS4 borrowed the Excal Visual software.

F.5 Flood Management/Assess Guidelines

Measurable Goal(s): 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 10

The QLP did not collect any monitoring data on behalf of Lake County's MS4s during Year 10. However, SMC has reviewed information presented by the Illinois EPA in the 2012 Illinois Integrated Water Quality Report and 303(d) List and has developed the brief "State of Lake County's Waters" report provided below.

State of Lake County's Waters
April 2013

This brief report is based on information contained in the Illinois EPA's 2012 Illinois Integrated Water Quality Report and Section 303(d) List, dated December 20, 2012. Its purpose is to provide basic information to Lake County's MS4 on the condition of surface waters within Lake County. More detailed information about the condition of surface waters in Lake County can be found in the Illinois EPA's 2012 Illinois Integrated Water Quality Report and Section 303(d) List.

Streams
An analysis of data accompanying the Illinois EPA's 2012 Illinois Integrated Water Quality Report and Section 303(d) List shows that 183 stream miles in Lake County have been assessed by the Illinois EPA for attainment of at least one designated use. The degree of support (attainment) of a designated use in a particular stream segment is determined by the Illinois EPA through an analysis of various types of information, including biological, physicochemical, physical habitat, and toxicity data. When sufficient data are available, the Illinois EPA assesses each applicable designated use in a particular stream segment as Fully Supporting (good), Not Supporting (fair), or Not Supporting (poor). Waters in which at least one applicable use is not fully supported are called "impaired."

An analysis of data accompanying the Illinois EPA's 2012 Illinois Integrated Water Quality Report and Section 303(d) List shows that 139 stream miles (of the 183 stream miles that have been assessed) in Lake County are considered impaired by the Illinois EPA. These stream segments have been mapped and are shown in Figure E3.1.

Lakes
An analysis of data accompanying the Illinois EPA's 2012 Illinois Integrated Water Quality Report and Section 303(d) List shows that 170 inland lakes in Lake County have been assessed by the Illinois EPA for attainment of at least one designated use. As with streams, the degree of support (attainment) of a designated use in a particular lake is determined by the Illinois EPA through an analysis of various types of information, including biological, physicochemical, physical habitat, and toxicity data. When sufficient data are available, the Illinois EPA assesses each applicable designated use in a particular lake as Fully Supporting (good), Not Supporting (fair), or Not Supporting (poor). Waters in which at least one applicable use is not fully supported are called "impaired."

An analysis of data accompanying the Illinois EPA's 2012 Illinois Integrated Water Quality Report and Section 303(d) List shows that 134 inland lakes in Lake County are considered impaired by the Illinois EPA. These lakes have been mapped and are shown in Figure E3.1.

Lake Michigan

Lake Michigan is monitored annually through a cooperative agreement between the City of Chicago and the Illinois EPA. Bordering Cook and Lake Counties, the State of Illinois has jurisdiction over approximately 1,526 square miles of open water, 2.62 square miles of bays and harbors, and 63 shoreline miles of Lake Michigan.

196 square miles of open water of Lake Michigan, or about thirteen percent of the total open water located within Illinois, were assessed for the Illinois EPA's 2012 Illinois Integrated Water Quality Report and Section 303(d) List, and all 196 assessed square miles were rated as Fully Supporting for the following uses: aesthetic quality, aquatic life use, primary contact use, secondary contact use, and public and food processing water supply use. However, fish consumption use in all 196 assessed square miles of open water was rated as Not Supporting due to contamination from polychlorinated biphenyls (PCBs) and mercury.

A portion of all 2.62 square miles of bays and harbors of Lake Michigan located in Illinois were assessed for the Illinois EPA's 2012 Illinois Integrated Water Quality Report and Section 303(d) List for several different designated uses. 66.7 percent of the square miles of bays and harbors assessed for aesthetic quality (i.e., 1.2 of 1.8 sq. mi.) were rated as Fully Supporting, while the remaining 33.3 percent (i.e., 0.6 of 1.8 sq. mi.) were rated as Not Supporting. 97.6 percent of the square miles of bays and harbors assessed for aquatic life use (i.e., 2.52 of 2.58 sq. mi.) were rated as Fully Supporting, while the remaining 2.4 percent (i.e., 0.06 of 2.58 sq. mi.) were rated as Not Supporting. 100 percent of the square miles of bays and harbors assessed for fish consumption (i.e., 2.62 of 2.62 sq. mi.), were rated as Not Supporting. Potential causes of impairment in the bays and harbors of Lake Michigan located in Illinois include contamination from polychlorinated biphenyls (PCBs), mercury, bottom deposits, lead, zinc, cadmium, arsenic, phosphorus, copper, and chromium.

A portion of all 63 shoreline miles of Lake Michigan located in Illinois were assessed for the Illinois EPA's 2012 Illinois Integrated Water Quality Report and Section 303(d) List for several different designated uses. All 63 of the shoreline miles assessed for fish consumption and primary contact use were rated as Not Supporting due to bacterial contamination from *Escherichia coli* (*E. coli*) bacteria and contamination from polychlorinated biphenyls (PCBs) and mercury.

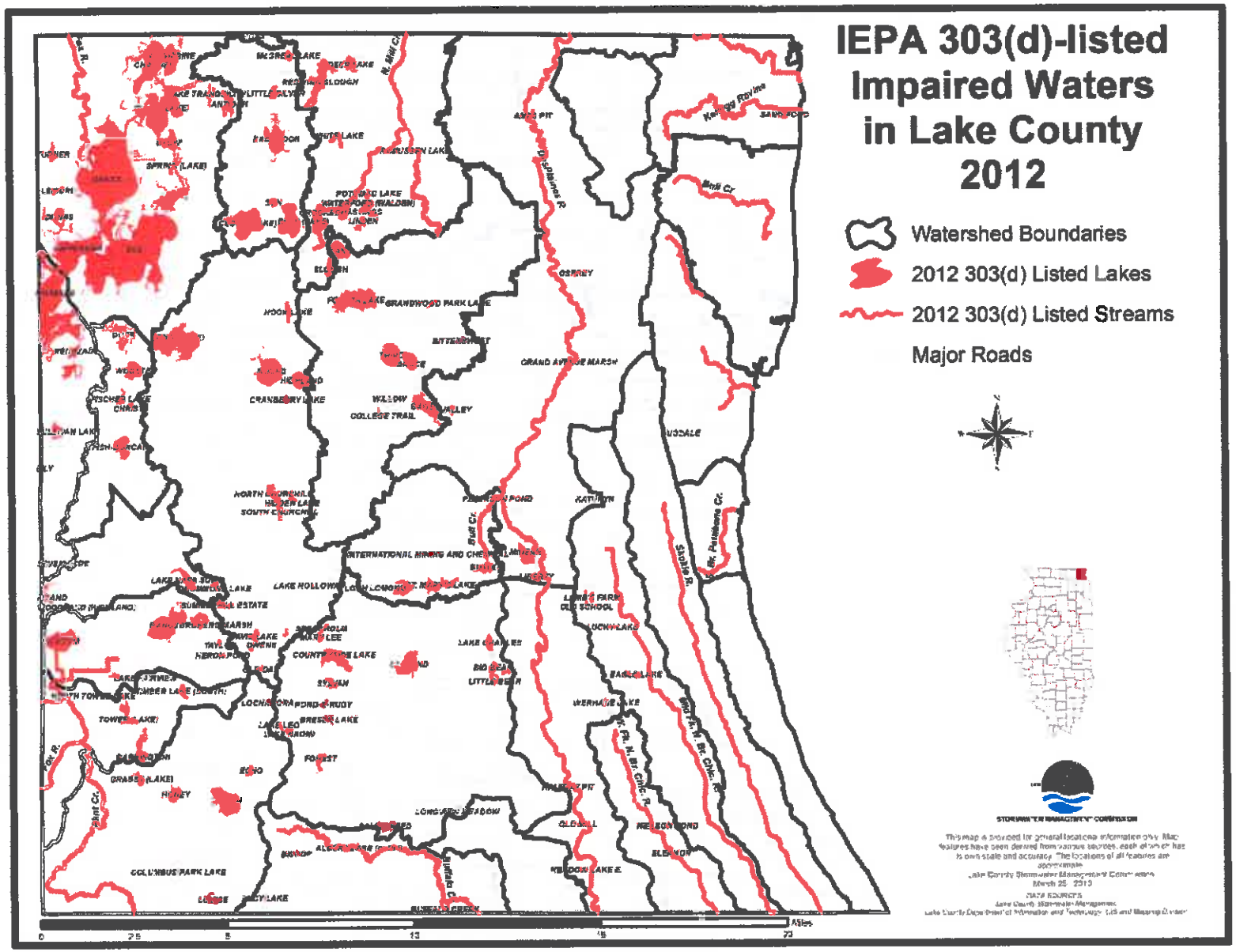
IEPA 303(d)-listed Impaired Waters in Lake County 2012
Watershed Boundaries
2012 303(d) Listed Lakes
2012 303(d) Listed Streams
Major Roads
Miles
0
2.5
5
10
15
20

Figure E3.1

Part E4. QLP Summary of Year 11 Stormwater Activities

The table below indicates the stormwater management activities that the QLP plans to undertake during Year 11. Additional information about the BMPs and measurable goals that the QLP will implement during Year 11 is provided in the section following the table.

Note: X indicates BMPs that will be implemented during Year 11

Year 11 QLP	
A. Public Education and Outreach	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
X	A.3 Public Service Announcement
X	A.4 Community Event
X	A.5 Classroom Education Material
X	A.6 Other Public Education
B. Public Participation/Involvement	
X	B.1 Public Panel
	B.2 Educational Volunteer
X	B.3 Stakeholder Meeting
	B.4 Public Hearing
	B.5 Volunteer Monitoring
X	B.6 Program Coordination
	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
	C.1 Storm Sewer Map Preparation
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 11 QLP	
D. Construction Site Runoff Control	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
X	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
X	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
X	E.4 Pre-Const Review of BMP Designs
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
X	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
X	F.1 Employee Training Program
	F.2 Inspection and Maintenance Program
	F.3 Municipal Operations Storm Water Control
	F.4 Municipal Operations Waste Disposal
X	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

In addition to the stormwater management activities described below, SMC will continue to provide general support to Lake County MS4s as they continue to implement their stormwater management programs.

A. Public Education and Outreach

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

A.1 Distributed Paper Material

SMC develops and distributes a variety of materials related to stormwater management in Lake County. SMC has produced a number of pamphlets and brochures related to stormwater management and BMPs and prepares a quarterly newsletter, "Mainstream," as well as an Annual Report, that highlight stormwater management activities conducted in Lake County. SMC also prepares project fact sheets that provide information on ongoing and recently completed stormwater management projects. In addition, SMC has developed or collaborated on a number of manuals related to stormwater management, such as "Riparian Areas Management: A Citizen's Guide," "A Citizen's Guide to Maintaining Stormwater Best Management Practices," and the "Streambank Stabilization Manual," and will continue to develop or collaborate on such manuals or manual updates.

Measurable Goal(s): 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 IEPA's NPDES Stormwater 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 IEPA's NPDES Stormwater Program to Lake County MS4s.

Measurable Goal(s): Include public service announcement highlighting community accomplishments related to IEPA's NPDES Stormwater Program in "Mainstream" once annually.
Post watershed identification signage with LCDOT.
Upon request, present "The Big Picture: Water Quality, Regulations & NPDES" to Lake County MS4s.

A.4 Community Event

SMC sponsors and co-sponsors technical training and public awareness workshops. Each year, SMC will sponsor or co-sponsor at least one workshop on a topic related to IEPA's NPDES Stormwater Program, such as soil erosion and sediment control, illicit discharge detection and elimination, or best management practices that can be used to protect water quality.

Measurable Goal(s): *Sponsor or co-sponsor workshop on a topic related to IEPA's NPDES Stormwater Program.*

A.5 Classroom Education

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

Measurable Goal(s): *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 and ongoing projects, publications, allow for download of many SMC documents, and provide links to other NPDES Stormwater Program and BMP resources. In addition to the resources available through the website, SMC will make an educational presentation on IEPA's NPDES Stormwater Program available to Lake County MS4s.

Measurable Goal(s): *Maintain and update the portion of the SMC website dedicated to IEPA's NPDES Stormwater Program 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, as described below.

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 involves the SMC Board of Commissioners, which includes six municipal representatives and six county board members.

The Technical Advisory Committee (TAC) was created 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. MAC has worked to discuss,

coordinate, and collaborate on the implementation of IEPA's NPDES Municipal Stormwater Program. MAC will continue to meet as needed to assist Lake County MS4s with the implementation of IEPA's NPDES Municipal Stormwater Program.

The Watershed Management Board (WMB) meets annually to make recommendations on BMP project funding. Members include chief municipal elected officials, township supervisors, drainage district chairs, and county board members from each district within each of Lake County's four major watersheds.

Measurable Goal(s): 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 Goal(s): 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 of IEPA's 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 Lake County MS4s during implementation of their stormwater management programs. SMC will continue to facilitate MAC meetings and will continue to provide general support to Lake County MS4s during implementation of their stormwater management programs. SMC will prepare an annual report on the QLP's stormwater management activities and will provide guidance to Lake County MS4s in preparing their own annual reports.

Measurable Goal(s): Track number of MAC meetings conducted during Year 11.
Prepare annual report on Qualifying Local Program activities at end of Year 11.

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, as described below.

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 during construction.

Measurable Goal(s): Continue to enforce the countywide WDO.

C.10 Other Illicit Discharge Controls

SMC sponsors and co-sponsors technical training workshops. SMC will sponsor or co-sponsor an illicit discharge detection and elimination workshop or other training workshop related to IEPA's NPDES Stormwater Program and track the number of attendees that attend the workshop.

Measurable Goal(s): Sponsor or co-sponsor and track the number of attendees at an Illicit Discharge Detection and Elimination workshop or other training workshop related to IEPA's NPDES Stormwater Program.

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 that requires 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 IEPA's General NPDES Permit No. ILR10.

Measurable Goal(s): Continue to enforce the countywide WDO.

Administer the Designated Erosion Control Inspector (DECI) program outlined by the WDO.

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 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 7 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 sediment control BMPs. The TRM is currently being updated to include guidance on wetland areas, public roadways, and ordinance administration and enforcement.

Measurable Goal(s): *Continue to enforce the countywide WDO.*
Complete TRM update and work toward final approval and publication of the document.

D.3 Other Waste Control Program

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

Measurable Goal(s): *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 Permit 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 Goal(s): *Track number of enforcement officers who have passed the exam.*
Track number of communities that undergo a performance review.
Complete ordinance administration and enforcement chapter of TRM.

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, 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 certified communities.

Measurable Goal(s): 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 minimum requirements for site inspections. The enforcement officers within each certified community must conduct these site inspections; SMC is responsible for conducting site inspections in non-certified communities and on Lake County Division of Transportation (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 Goal(s): 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 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 increases 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.

Measurable Goal(s): Continue to enforce the countywide WDO.

E.3 Long Term O&M Procedures
The WDO requires that a maintenance plan be developed for all stormwater management systems designed to serve major developments (as defined by the WDO). 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 within a deed or plat restriction to ensure perpetuity and access for maintenance.

Measurable Goal(s): 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 Permit 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(s): Continue to enforce the countywide WDO.

E.5 Site Inspections During Construction
Article VI of the WDO provides both the recommended and minimum requirements for site inspections. The enforcement officers for each certified community must conduct these site 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(s): Continue to enforce the countywide WDO.

E.6 Post-Construction Inspections
Article VI of the WDO provides both the recommended and minimum requirements for site inspections. The enforcement officers for each certified community must conduct these site inspections. Enforcement officers may inspect developments at any stage of the construction process, including final stabilization and landscaping. 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(s): 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 annually 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 Goal(s): *Conduct annual WMB meeting.*
Contribute funding to flood reduction and water quality improvement projects, including stormwater 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 with their 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 workshops or events.

Measurable Goal(s): *Provide list of available resources to MS4s.*
Sponsor or co-sponsor employee training workshops or events.
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(s): *Track number of projects that are reviewed for multi-objective opportunities.*

Part E5. QLP Construction Projects Conducted During Year 10

Project Name	Project Size (acres)	Construction Start Date	Construction End Date

Part F. MS4 Construction Projects Conducted During Year 10

Project Name	Project Size (acres)	Construction Start Date	Construction End Date
Jamie Public Flood Control and Wetland Project	13.7	Dec 2012	Current
Rosalind Franklin University Building Expansion	4.2	Jan 2013	Current

Project Name	Project Size (acres)	Construction Start Date	Construction End Date