



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, 2014 _____ To March, 2015 _____

Permit No. ILR40 0339

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

Name: Village of Fox Lake _____ Mailing Address 1: 66 Thillen Drive _____
Mailing Address 2: _____ County: Lake _____
City: Fox Lake _____ State: IL Zip: 60020 _____ Telephone: 847-587-2151
Contact Person: Mayor Donny Schmit _____ Email Address: schmidt@foxlake.org
(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:

Donny Schmit

Printed Name:

5-29-15

Date:

Mayor

Title:

EMAIL COMPLETED FORM TO: 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

IL 532 2585 This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form
WPC 691 Rev 6/10 has been approved by the Forms Management Center.

**Illinois Environmental Protection Agency
Annual Facility Inspection Report
for General Permit for Discharges from Small MS4s**

The Village Of Fox Lake

Permit Year 12: March 2014 to February 2015

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Part A. MS4 Changes to Best Management Practices, Year 12

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

Note: X indicates BMPs that were implemented in accordance with the MS4's NOI
 ✓ indicates BMPs that were changed during Year 12

Year 12	
MS4	
A. Public Education and Outreach	
X A.1 Distributed Paper Material	
	A.2 Speaking Engagement
X A.3 Public Service Announcement	
X A.4 Community Event	
X A.5 Classroom Education Material	
X A.6 Other Public Education	
B. Public Participation/Involvement	
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X B.3 Stakeholder Meeting	
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C. Illicit Discharge Detection and Elimination	
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X C.10 Other Illicit Discharge Controls	
D. Construction Site Runoff Control	
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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	
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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

Additional information about the changes that were made to the BMPs described in the MS4's NOI during Year 12 is provided below.

Measurable Goal(s): Review and revise enhanced SMPP template provided by QLP, language related to this provision by end of year 11.

Although the SMPP was allocated in the Village budget in Year 11, unexpected issues and elections (staff turnover in Year 11, including a new Village Administrator), have led to the delay of development of the SMPP. A new administration was elected in April of 2013 and a new Village Administrator was just recently hired. Also in Year 12 a new Community Development Director was hired. Personnel have been briefed on the NPDES status and tasks. It is anticipated that the SMPP will begin in year 12 for adoption in year 13.

Illicit Discharge Detection and Elimination

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

Due to budgetary constraints and loss of staff, minimal catch basin and storm sewer cleaning and outfall inspections (during maintenance activities) were conducted during Year 11. The Village of Fox Lake continued the inspection program in Year 12 which included the inspection of all outlets, the cleaning of outlets and catch basins and inspection of all outlets, basins and flows after a 1-inch rainfall. It is anticipated that the SMPP will begin in year 12 for adoption in year 13.

Part B. MS4 Status of Compliance with Permit Conditions, Year 12

Stormwater Management Activities, Year 12

The stormwater management activities that the MS4 performed during Year 12 and the status of each of the MS4's BMPs and measureable goals, as of the end of Year 12, are described in detail below.

During Year 12, the Village of Fox Lake continued to perform a variety of stormwater management activities, as described in detail below.

A. 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 BMP's 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 the Village website.
-Review and revise enhanced SMPP template, provided by QLP, language related to the provision by end of Year 12.
Implement, and track progress, of BMPs as described in the SMPP.

In Year 12 the Village created several brochures for distribution to residents and businesses: Erosion Control Checklist; Silt Fencing Details; New Construction Checklist. These all pinpoint the requirements of the WDO. Also, these are posted on the Village's website.

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 Villages website.*
-Review and revise enhanced SMPP template, provided by the QLP, language related to the provision by end of Year 12.
Implement, and track progress, of BMPs as described in the SMPP.

The Village has redesigned its website and is in the middle of updating all links and information regarding stormwater management as well as a direct link to the SMC website. The site is evaluated weekly and updated to post current information.

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 waster before it enters the storm sewer system.

Measurable Goal(s): -Publicize SWALCO events or provide a link on Village website, at a minimum.

- Cooperate with SWALCO to host solid 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 Work staff.*
- Review and revise enhanced SMPP template provided by QLP language related to this provision by the end of Year 12.*

The Village posts all SWALCO events on their website and hosts the SWALCO events for Lake County when requested. In Year 12 the Village hosted an informational event in partnership with SMC and our Dunn's Lake Homeowner's Association to resolve detention issues. In addition, the Village worked closely with Woodhills Bay Homeowners Association to assist in obtaining an SMC grant for a survey and design of drainage corrections and installation throughout that subdivision. The Village continues to work closely with these groups to assist in implementation.

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. The Village 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 12.*

There were no requests for additional educational materials in Year 12. The Village developed a stenciling program in year 7. Due to budget restraints and no requests from citizen groups to volunteer, stenciling did not take place in Year 12. With the hiring of a new Community Development Director, the Village will work to involve citizens in more classroom educational workshops as we have done for our HOA's in Year 12.

BMP No. A.6: Other Public Education

The Village provides additional 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 advise enhanced SMPP template provided by QLP language related to this provision by the end of Year 12.

The Village presents its NPDES report to the Village Board at the first Board meeting in June and updates everyone on the submittal. The report is posted to the website. We continue to work on creating new updated brochures which we distribute to anyone obtaining a permit for drainage or in floodplain areas. The Village also worked closely with several homeowners and SMC onsite to give information and direction on several stormwater and flooding issues.

B. 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 Managements 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 in Year 12.

Representatives from the Village attended every MAC Meeting in Year 12 (4 total) and Mayor (Donny Schmit) is on the Lake County Stormwater Management Board.

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 of Fox Lake participates in stakeholder meetings through various groups such as the Upper Fox River Discovery meeting in October which is the 2nd meeting the Village attended. The exercises provided information from FEMA regarding programs and tools that are available for mitigation plans and forecasting. Staff identified flood prone areas according to the FEMA maps provided and are preparing action plans for 3 areas identified for immediate implementation-Route 12 and Eagle Point road, Route 12 and Grand Avenue, Grand Avenue and Rollins Road. **Others**

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 the provision by end of Year 12.
-Upon completion of the SMPP template, present to Village Board for review and approval.*

The Village presents the NPDES at their Village Board Meeting in June. Also as discussed the Village worked with SMC on several public issues regarding stormwater, flooding and drainage. The Village is hosting a meeting in Year 13 for the Fox Chain O Lakes with the Lake County Health Department for presentation of their Water Quality Report. The Village will continue to work with other agencies to hold informational public hearings in Year 13.

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 NPDES Phase II stormwater guidance presented by LC-SMC.
-Review and revise enhanced SMPP template language, provided by QLP, related to the provision by end of Year 12.*

Village representatives attend all MAC meetings in Year 12. In Year 12 the Village hosted an informational event in partnership with SMC and our Dunn's Lake Homeowner's Association to resolve detention issues. In addition, the Village worked closely with Woodhills Bay Homeowners Association to assist in obtaining an SMC grant for a survey and design of drainage corrections and installation throughout that subdivision. The Village continues to work closely with these groups to assist in implementation.

The Village also worked closely with several homeowners and SMC onsite to give direction on several stormwater and flooding issues. The Village has worked closely with SMC to coordinate the Community Assessment Visit (CAV) with IDNR and FEMA. 15 Homes were identified with violations in the flood plain. In Year 12 we began a Corrective Action Plan and surveyed and worked with IDNR and SMC for corrections. This year, due to budget constraints we were able to remove 2 of these homes off the list. We have budgeted for Year 13 the Action Plan and will have all homes removed and in compliance in Year 13.

The Village in partnership with LCSMC was able to obtain FEMA grants for 5 homes in the Village that were in the flood plain and deemed "severe repetitive loses":

200 Park Lane
623 Channel Lane
98 Keystone
37 Medinah

These four homes are slated for demolition in Year 13. The Village and LCSMC continue to work with the homeowners regarding the process.

BMP No. B.7: Other Public Involvement

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

Measurable Goal(s): *-Publish a compliant telephone 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 language, provided by QLP, related to the provision by end of Year 12.

The Village is preparing a Public Outreach Program to educate HOA's, schools and flood prone areas within the village on stormwater issues and BMPs. We currently have a number to call for reporting stormwater compliance issues or concerns and they are investigated and tracked by our Community Development Department. The number is posted on our website.

C. Illicit Discharge Detection and Elimination

The Village of Fox Lake will perform activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control. According to the current General NPDES Permit No. ILR 40, 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 receives discharges from those outfalls;
- An ordinance or other regulatory mechanism that prohibits all non-stormwater discharges into the storm sewer systems 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 hazard 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.

The majority of these regulations 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): *-Review and revise enhanced SMPP template language, provided by QLP, related to the provision by end of Year 12.*
-Implement, and track progress, of BMPs.

The Village reviewed the current outflow maps in Year 12 and no changes were made. The Village has purchased a GIS mapping system in Year 12 and the outflow maps will be added in Year 13.

BMP No. C.2: Regulatory Control Program

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

Measurable Goal(s): *-Continue to enforce ordinances and issue citations as necessary.*
-Revise, revise and accept SMPP template language related to the provision by end of year 12.

The Village passed an Ordinance in Year 12 prohibiting illicit discharges and connections and giving authority to the village for appropriate enforcement procedures and actions. (Ordinance 2014-17). In addition the Village adopted an ordinance prohibiting

The village continues to enforce the County WDO.

The Village adopted an ordinance (Ordinance 2015-13) prohibiting the use of fertilizer containing phosphorus:

5-6-2 PROHIBITION. No Commercial or Non- Commercial Applicator, including homeowners and renters, shall apply to any area within the Village any fertilizer, whether liquid, granular, or solid, which contains any amount of phosphorus or other compound containing phosphorus, such as phosphate, except:

The naturally occurring phosphorus in unadulterated natural or organic fertilizing products such as yard waste or compost.

The Village of Fox Lake enforced all ordinances in Year 12 and there were 11 code enforcement violations regarding erosion control, fill or drainage. These violations were Reported to the Community Development Department (formerly Building and Zoning) and were investigated by our WDO enforcement Officer and remedied immediately in full compliance.

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 sand 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 12.*

In Year 12 the Village inspected all drainage systems including the cleaning and clearing of all debris, all catch basins were checked and cleaned, all outlets were checked and cleaned, all detention ponds were checked, mowed and all debris cleared out. All storm sewer structures were inspected and repairs of all failures were completed. Dry weather screening was completed during this time and staff inspects all outflows after a 1-inch rainfall for flow and debris. All inspection records are kept in the Village's Public Works Facility.

BMP No. C.4: Illicit Discharge Tracking 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 12.

The tracking procedures are outlined in the Village's IDDE Ordinance 2014-17 and there were no illicit discharges reported in Year 12. The Village has a Stormwater Pollution Prevention Plan developed in 2010. We are in the process of incorporating this into our SMPP with tracking procedures outlined in Year 13.

In Year 12 the Village inspected all drainage systems including the cleaning and clearing of all debris, all catch basins were checked and cleaned, all outlets were checked and cleaned, all detention ponds were checked, mowed and all debris cleared out. All storm sewer structures were inspected and repairs of all failures were completed. Dry weather screening was completed during this time and staff inspects all outflows after a 1-inch rainfall for flow and debris. All inspection records are kept in the Village's Public Works Facility.

BMP No. C.5: Illicit Source Removal Procedures

The Village of Fox Lake will continue implementing the scheduled 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 12.

The Village receives complaints through its Community Development Department who investigates with our WDO enforcement officer and tracks the corresponding resolutions. Staff has been certified in Hazardous Materials Training and Testing in Year 12 for reporting and clean-up procedures.

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 12.

The Village continues to review and assess all ordinances, policies and programming for illicit discharges and enforces all ordinances and the county WDO. Updates and enhancements will continue throughout Year 13. Year 12 evaluation led to the passage of the IDDE Ordinance 2014-17 and Prohibition of Phosphorus Ordinance 2015-13 giving authority to the village for appropriate enforcement procedures and actions.

BMP No. C.7: Visual Dry Weather Screening

The Village of Fox Lake will continue implementing the scheduled 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 12.

Public Works does dry weather screening and maintenance throughout the year to ensure there are no debris and that outflows are clear and basins and detention are operational. Inspection records of the monitoring, cleaning and repairs of all work completed are kept at the Public Works Facility.

In Year 12 the Village inspected all drainage systems including the cleaning and clearing of all debris, all catch basins were checked and cleaned, all outlets were checked and cleaned, all detention ponds were checked, mowed and all debris cleared out. All storm sewer structures were inspected and repairs of all failures were completed. Dry weather screening was completed during this time and staff inspects all outflows after a 1-inch rainfall for flow and debris. All inspection records are kept in the Village's Public Works Facility.

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 informational 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 discharges.*
-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 12.

The Village redesigned the website in Year 8 and posted all information in Year 11. In Year 12 the website was again updated and all information is posted accordingly. Additionally all marinas were required to show verification that they have applied for individual NPDES permits through the IEPA. This was conducted by the Building Department in Year 8. The Village continues to supply information to businesses, residents and HOA's through meetings, grant opportunities, public hearings, website, business licensing and continued efforts to update all hand-outs, packets and brochures.

D. Construction Site Runoff Control

Lake County has adopted a Watershed Development Ordinance (WDO) that establishes the minimum stormwater 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 12.

The WDO was enforced in Year 12. The village engineer is a certified enforcement officer and any development projects were required to abide by the requirements set forth in the Designated Erosion Control Inspector Program and were checked for WDO compliance.

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

See QLP description

Measurable Goal(s): *-Enforce WDO.*
-Continue construction site inspections within Village for compliance with ordinances.
-Review revise and accept SMPP template language related to this provision by end of year 12.

The WDO was enforced in Year 12. Construction sites we inspected for ordinance compliance. Fox Lake has a full-time inspector for erosion control enforcement on construction sites to ensure all controls such as silt fencing are being observed. Additionally, B&F Technical Services is contracted for all plumbing services and inspections on all sites. The following construction took place in Year 12:

WDO Permits-17

Demolition-8

New Commercial-3

New Residential-2

Commercial Addition-0

Residential Addition-1

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 within the Village.

-Review revise and accept SMPP template language related to this provision by end of year 12.

The Village's Brush Collection Program continued in Year 12 and the Village continues to work with SWALCO on the electronics Recycling Program for the required e-waste disposals.

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 12.

WDO Enforcement Officer reviews all site plans verifying that grading is appropriate, compensatory storage is adequate if required.

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 12.

The Village continues to track complaints received. In Year 12 there were no public initiated sediment and erosion control complaints received. Any noticeable violations were resolved and tracked by our enforcement officer and inspectors in the Community Development Department until compliance was reached.

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

See QLP description. Continue current 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 12.

All construction sites were inspected for sediment and erosion controls procedures during Year 12.

WDO Permits-17

Demolition-8

New Commercial-3

New Residential-2

Commercial Addition-0

Residential Addition-1

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 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 12.

The Village enforced the WDO in Year 12 and passed the IDDE Ordinance regarding illicit discharges giving authority to the village for appropriate enforcement procedures and actions. In addition the village passed a Phosphorus Ordinance 2015-13 giving authority to the village for appropriate enforcement procedures and actions regulating the sale of phosphorus in fertilizers.

Our enforcement officer inspects all job sites for any development disturbing more than 0.5 acres of new impervious area. The Village had several large road construction projects and submitted the required NOI to the IEPA for permit and notified when the projects were completed and stabilization was reached.

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

See QLP description. Continue to inspect and enforce all complaints of structural BMPs maintenance compliance with the Village of Fox Lake. Take enforcements 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 12.*

The WDO was enforced in Year 12. The Village passed on new information to the Home Owners Associations regarding stormwater ponds. The Village also worked closely with several homeowners and SMC onsite to give direction on several stormwater and flooding issues.

As new information becomes available, this information will be passed along to the Homeowner's Associations via electronic or paper distribution methods. There was 1 complaint reported regarding structural BMP maintenance in Year 10. One permit was issued to an HOA in Year 11 (Woodland Green), for shoreline maintenance of a detention pond. There was one complaint in Year 12 from Dunn's Lake in regard to lack of maintenance for detention ponds. The Village worked with engineers from LCSMC to identify and prepare a BMP Report that the HOA can use to prioritize improvements to their storm water management system in order to be in compliance with the BMPs.

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 12.*

The WDO was enforced in year 12.

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 12.*

The WDO was enforced in Year 12. All construction sites were inspected:

WDO Permits-17

Demolition-8

New Commercial-3

New Residential-2

Commercial Addition-0
Residential Addition-1

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 12.

The WDO was enforced in Year 12. A Grading Certificate is required for all new construction and is reviewed by the Enforcement Officer provided by the project engineer.

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

See QLP description.

Measurable Goal(s): -Enforce WDO.

-Review, revise and accept SMPP template language related to this provision by end of year 12.

Inspectors ensure that the property is top soiled and seeded right away or other types of erosion controls are in place such as a silt fence.

F. 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 for 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 the clearinghouse of these materials.

*Measurable Goal(s): -Conduct Public Works new hire employee training regarding waste disposal, silt clean up, and facilities operation and maintenance.
-Attend LC-SMC sponsored training events as applicable for all key Building Department and Public Works staff.
-Review, revise and accept SMPP template language related to this provision by end of year 12.*

The Village sends employees to all training as time permits. In Year 12 employees received the following training and/or certifications:

Hazardous Materials Training and Testing in Year 12 for reporting and clean-up procedures. (All Public Works employees attended)

Flood Damage Assessment Training FEMA (2-employees attended)

BMP No. F.2 Inspection and Maintenance Program

The Pollution Prevention/ Good Housekeeping program completed under the original NOI includes measures to reduce the 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 sewer systems. Street sweeping is performed on all streets at the beginning of the 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 the SMPP template language related to this provision by the end of year 12.*

Street sweeping was performed on all streets at the beginning of the spring season and major street and storm sewer streets are regularly swept and vacuumed through spring, summer and fall.

In Year 12 the Village inspected all drainage systems including the cleaning and clearing of all debris, all catch basins were checked and cleaned, all outlets were checked and cleaned, all detention ponds were checked, mowed and all debris cleared out. All storm sewer structures were inspected and repairs of all failures were completed. Dry weather screening was completed during this time and staff inspects all outflows after a 1-inch rainfall for flow and debris. All inspection records are kept in the Village's Public Works Facility.

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

The program completed under the original NOI identifier 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 salt/sand application mix.*
- Continue the implementation of SWPPP for Public Works.*
- Review revise and accept the SMPP template language related to this provision by the end of year 12.*

The Village built a salt barn in Year 11 for storage of all salt and a SWPP Plan which has a Minimize Exposure Section 3.1 which includes:

- A triple basin located in the Motor Pool Maintenance Garage.
- All floors in Motor Pool garage slope towards the triple basin.
- All vehicles and equipment are stored inside.
- Refueling station is covered to protect any runoff from washing away fuel or other items which may present in the area.
- Used motor oil (hydraulic, transmission, diesel) are collected and stored in covered 275-gallon drums.
- Used motor oil is burned for heating of Motor Pool building.
- Used anti-freeze is collected and stored in covered containers and hauled off-site for disposal by a licensed waste hauler to a licensed facility.

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): -Review revise and accept SMPP template language related to this provision by end of year 12.

The salt storage shed was completed in Year 11 which is a contained storage and is sloped inward so no leaching occurs. The Village has a Brush Pick Up Program to collect branches and bush trimmings only. The trimmings are chipped and used for local businesses and residents for mulch. Our contract with Waste Management allows homeowners to contract with WM for landscape waste. The Village conducts street sweeping 3 times a year and Vactor the streets as well.

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 Goal(s): -Monitor progress of SMC
-Enforce WDO
-Review revise and accept SMPP template language related to this provision by end of year 12.*

The WDO was enforced in Year 12. In addition as discussed previously, the Village representatives attend all MAC meetings in Year 12. In Year 12 the Village hosted an informational event in partnership with SMC and our Dunn's Lake Homeowner's Association to resolve detention issues. In addition, the Village worked closely with Woodhills Bay Homeowners Association to assist in obtaining an SMC grant for a survey

and design of drainage corrections and installation throughout that subdivision. The Village continues to work closely with these groups to assist in implementation.

The Village also worked closely with several homeowners and SMC onsite to give direction on several stormwater and flooding issues. The Village has worked closely with SMC to coordinate the Community Assessment Visit (CAV) with IDNR and FEMA. 15 Homes were identified with violations in the flood plain. In Year 12 we began a Corrective Action Plan and surveyed and worked with IDNR and SMC for corrections. This year, due to budget constraints we were able to remove 2 of these homes off the list. We have budgeted for Year 13 the Action Plan and will have all homes removed and in compliance in Year 13.

The Village in partnership with LCSMC was able to obtain FEMA grants for 5 homes in the Village that were in the flood plain and deemed “severe repetitive loses”:

200 Park Lane
623 Channel Lane
98 Keystone
37 Medinah

These four homes are slated for demolition in Year 13. The Village and LCSMC continue to work with the homeowners regarding the process.

The Village conducted several road projects in Year 12 which included reestablishing ditch lines and sodding on Christopher Larkin Road and Livingston Road. Also they replaced curbs and gutters on Westshore, Mallard and Deerpath for improved drainage.

BMP No. F.6: Other Municipal Operations Control

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

Measurable Goal(s): -Consider additional language in SMPP template language and incorporate into program by end of year 12.

Municipal facilities were periodically evaluated, and methods for minimizing the use of road salt were continued in Year 12. In Year 12 the Village did a mix of salt and sand to reduce the use of salt. The Village has investigated the use of beet juice as an alternative and will look at budgetary figures to see if this alternative deicing technique will be economically feasible.

Stormwater Management Program Assessment, Year 12

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

In August 2012, SMC (i.e., the QLP) completed a minor revision of the SMPP template, which was last previously revised in April 2009, to provide additional guidance on addressing the annual program assessment requirements of IEPA's General NPDES Permit No. ILR40. The Village of Fox Lake will review the revised SMPP template and will incorporate the changes that are applicable to its stormwater management program into its SMPP (Anticipated to begin during year 13). Those changes will likely include the addition of a process for conducting an annual evaluation of its stormwater management activities (i.e., BMPs) and the appropriateness of its stormwater management program. The Village of Fox Lake anticipates that, in the future, it will begin using such a process to evaluate the appropriateness of its stormwater management program.

Due to lack of staffing and budget constraints the Village could not perform water sampling in Year 12. However in Year 13 the plan for water quality sampling will begin at various outfall areas that will include:

**Grand Avenue West and East
Nippersink Creek (Round Hill Subdivision)
Dunn's Lake (Westshore Subdivision)
Squaw Creek Outfall**

These samples will be collected in the spring and fall each year. The Village will also conduct upstream and downstream samples semi-annually in Year 13.

Part C. MS4 Information and Data Collection Results, Year 12

Annual Monitoring and Data Collection, Year 12

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

IDDE Monitoring and Data Collection, Year 12

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

A total of 130 dry weather flows were investigated at stormwater outfalls. No potential illicit discharges were identified at any of these locations.

In Year 12 the Village inspected all drainage systems including the cleaning and clearing of all debris, all catch basins were checked and cleaned, all outlets were checked and cleaned, all detention ponds were checked, mowed and all debris cleared out. All storm sewer structures were inspected and repairs of all failures were completed. Dry weather screening was completed during this time and staff inspects outflows after a 1-inch rainfall for flow and debris. All inspection records are kept in the Village's Public Works Facility.

Part D. MS4 Summary of Year 13 Stormwater Activities

The table below indicates the stormwater management activities that the MS4 plans to undertake during Year 13. Additional information about the stormwater management activities that the MS4 will perform during Year 13 is provided in the section following the table.

Note: X indicates BMPs that will be implemented during Year 13

Year 13	MS4	Year 13	MS4
A. Public Education and Outreach		D. Construction Site Runoff Control	
X A.1 Distributed Paper Material		X D.1 Regulatory Control Program	
		X D.2 Erosion and Sediment Control BMPs	
X A.2 Speaking Engagement		X D.3 Other Waste Control Program	
X A.3 Public Service Announcement		X D.4 Site Plan Review Procedures	
X A.4 Community Event		X D.5 Public Information Handling Procedures	
X A.5 Classroom Education Material		X D.6 Site Inspection/Enforcement Procedures	
X A.6 Other Public Education			D.7 Other Construction Site Runoff Controls
B. Public Participation/Involvement		E. Post-Construction Runoff Control	
X B.1 Public Panel		X E.1 Community Control Strategy	
		X E.2 Regulatory Control Program	
X B.2 Educational Volunteer		X E.3 Long Term O&M Procedures	
X B.3 Stakeholder Meeting		X E.4 Pre-Const Review of BMP Designs	
X B.4 Public Hearing		X E.5 Site Inspections During Construction	
X B.5 Volunteer Monitoring		X E.6 Post-Construction Inspections	
X B.6 Program Coordination		X E.7 Other Post-Const Runoff Controls	
X B.7 Other Public Involvement			
C. Illicit Discharge Detection and Elimination		F. Pollution Prevention/Good Housekeeping	
X C.1 Storm Sewer Map Preparation		X F.1 Employee Training Program	
X C.2 Regulatory Control Program		X F.2 Inspection and Maintenance Program	
X C.3 Detection/Elimination Prioritization Plan		X F.3 Municipal Operations Storm Water Control	
X C.4 Illicit Discharge Tracing Procedures		X F.4 Municipal Operations Waste Disposal	
X C.5 Illicit Source Removal Procedures		F.5 Flood Management/Assess Guidelines	
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			

Please note that the most recent version of IEPA's General NPDES Permit No. ILR40 (Permit) expired on March 31, 2014, but has been administratively continued by IEPA. Since the new version of the Permit has not yet been released to the public, and there is not yet a timeline for its release, the MS4 assumes that the most recent version of the Permit will continue to apply through at least the end of Year 13. The MS4 remains committed to performing activities related to the six MCMs described in the most recent version of the Permit.

Stormwater Management Activities, Year 13

The stormwater management activities that the MS4 plans to perform during Year 13 are described in detail below.

During Year 13, the Village of Fox Lake plans to continue to perform a variety of stormwater management activities, as described in detail below.

A. 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 BMP's 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 the Village website.
-Review and revise enhanced SMPP template, provided by QLP, language related to the provision by end of Year 13.
Implement, and track progress, of BMPs as described in the SMPP.

In year 13 staff will evaluate all paper materials for updates and introduction of new brochures and pamphlets for distribution to the public. Also staff will work closely with our HOA's to ensure their BMP's are in place.

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 Villages website.*
-Review and revise enhanced SMPP template, provided by the QLP, language related to the provision by end of Year 13.
-Implement, and track progress, of BMPs as described in the SMPP.

The Village will provide SMC announcements on the Village's website.

The SMPP will be reviewed and incorporated in Year 13.

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 waster before it enters the storm sewer system.

Measurable Goal(s): *-Publicize SWALCO events or provide a link on Village website, at a minimum.*
-Cooperate with SWALCO to host solid 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 Work staff.
-Review and revise enhanced SMPP template provided by QLP language related to this provision to implement in Year 13.
-Reintroduce the SMC Rain Barrel Program and introduce at public events.

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. The Village 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.*
- Get information to schools and other groups for the SMC Rain Barrel Program.*
- Host an Education Outreach Class for HOA's regarding BMP and stormwater issues.*
- Review and revise enhanced SMPP template provided by QLP language related to this provision by end of Year 13.*

BMP No. A.6: Other Public Education

The Village provides additional 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.*
- Continue to work with SMC and HOA's for drainage information and erosion control solutions.*
- Review and advise enhanced SMPP template provided by QLP language related to this provision by the end of Year 12.*

B. 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 Managements 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.*
*-Continue to attend the Upper Fox River meetings for updates and
information.*
*-Review and revise enhanced SMPP template, provided by QLP
language related to this provision in Year 12.*

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.*
*-Continue to attend the Upper Fox River meetings for updates and
information.*

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 NPDES Report to the Village Board and provide updates
regarding BMPs and enhancements to programming.*
-Conduct a Water Quality Meeting for all residents.
*-Review and revise enhanced SMPP template language, provided by
QLP, related to the provision by end of Year 13.*
*-Upon completion of the 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 NPDES Phase II stormwater guidance presented by LC-SMC.*
- Continue to work closely with LCSMC for FEMA grants on home demolitions creating park lands and compensatory storage for flood relief.*
- Review and revise enhanced SMPP template language, provided by QLP, related to the provision by end of Year 13.*

BMP No. B.7: Other Public Involvement

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

Measurable Goal(s):

- Publish a compliant telephone 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 language, provided by QLP, related to the provision by end of Year 13.*

C. Illicit Discharge Detection and Elimination

The Village of Fox Lake will perform activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control. According to the current General NPDES Permit No. ILR 40, 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 receives discharges from those outfalls;
- An ordinance or other regulatory mechanism that prohibits all non-stormwater discharges into the storm sewer systems 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 hazard 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.

The majority of these regulations 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): *-Review and revise enhanced SMPP template language, provided by QLP, related to the provision by end of Year 13*
Implement Tracking Program of Outfalls in GIS.
Implement, and track progress, of BMPs as described in the SMPP.

BMP No. C.2: Regulatory Control Program

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

Measurable Goal(s): *-Continue to enforce ordinances and issue citations as necessary.*
-Revise, revise and accept SMPP template language related to the provision by end of year 13.

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 sand 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 2 years.

Measurable Goal(s): *-Perform outfall inspections at least once every year.*
-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 13.

BMP No. C.4: Illicit Discharge Tracking 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.*
-Start water sampling at outflows and upstream and downstream locations.
-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 13.

BMP No. C.5: Illicit Source Removal Procedures

The Village of Fox Lake will continue implementing the scheduled 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 13.*

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 13.*

BMP No. C.7: Visual Dry Weather Screening

The Village of Fox Lake will continue implementing the scheduled 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 2 years.

Measurable Goal(s): *-Perform outfall inspections at least once every 2 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 13.*

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 the business renewal licenses. This informational 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 discharges.*

- 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 13.

D. Construction Site Runoff Control

Lake County has adopted a Watershed Development Ordinance (WDO) that establishes the minimum stormwater 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 13.*

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

Measurable Goal(s): -Enforce WDO.

- Continue construction site inspections within Village for compliance with ordinances.*
- Review revise and accept SMPP template language related to this provision by end of year 13.*

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 within the Village.*
- Continue E-waste Program through SWALCO and Grant Township*
- Work with SWALCO on a Household Chemical Drop Off Program*
- Review revise and accept SMPP template language related to this provision by end of year 13.*

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 13.*

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 13.

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

See QLP description. Continue current 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 13.

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 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 13.

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

See QLP description. Continue to inspect and enforce all complaints of structural BMPs maintenance compliance with the Village of Fox Lake. Take enforcements 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 13.

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 13.

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 13.*

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 13.

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

See QLP description.

Measurable Goal(s): -Enforce WDO.

-Review, revise and accept SMPP template language related to this provision by end of year 13.

F. 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 for 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 the clearinghouse of these materials.

*Measurable Goal(s): -Conduct Public Works new hire employee training regarding waste disposal, silt clean up, and facilities operation and maintenance.
-Attend LC-SMC sponsored training events as applicable for all key Building Department and Public Works staff.
-Review, revise and accept SMPP template language related to this provision by end of year 13.*

BMP No. F.2 Inspection and Maintenance Program

The Pollution Prevention/ Good Housekeeping program completed under the original NOI includes measures to reduce the 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 sewer systems. Street sweeping is performed on all streets at the beginning of the 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 the SMPP template language related to this provision by the end of year 13.

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

The program completed under the original NOI identifier 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 salt/sand application mix.
-Continue the implementation of SWPPP for Public Works.
-Review revise and accept the SMPP template language related to this provision by the end of year 13.

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): *-Review revise and accept SMPP template language related to this provision by end of year 13.*

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 Goal(s): *-Monitor progress of SMC*
-Continue to work on the FEMA Community Assessment Visit list and gain compliance on all homes located within the flood plain.
-Schedule home demolitions within the flood plain working with SMC and FEMA to create park land and compensatory storage.

- Enforce WDO*
- Review revise and accept SMPP template language related to this provision by end of year 13.*

BMP No. F.6: Other Municipal Operations Control

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

Measurable Goal(s):

- Consider additional language in SMPP template language and incorporate into program by end of year 13.*
- Create a Unified Development Ordinance (UDO) outlining the building and development processes located within a flood plain.*
- Adopt a Green Infrastructure Plan through the UDO process.*

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 sections:

- **Part E1** identifies changes to Best Management Practices (BMPs) that occurred during Year 12 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 12.
- **Part E3** summarizes the information and data collected by the QLP during Year 12.
- **Part E4** describes the stormwater management activities that the QLP plans to undertake during Year 13.
- **Part E5** lists the construction projects conducted by the QLP during Year 12.

Part E1. QLP Changes to Best Management Practices, Year 12

Note: X indicates BMPs that were implemented as planned
 ✓ indicates BMPs that were changed during Year 12

Year 12	
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 12	
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 12

The Lake County Stormwater Management Commission (SMC) serves as a Qualifying Local Program (QLP) for MS4s in Lake County. In accordance with IEPA's NPDES 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 12 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 IEPA's NPDES Stormwater Program on its website, in its newsletter, and through other media outlets.

Watershed identification signage is located throughout the county.

SMC continues to make available "The Big Picture: Water Quality, Regulations & NPDES" presentation to Lake County MS4s.

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, 2014 and February 28, 2015, including:

- Webcast on The Life of a Stormwater Practice: The Role of Local Codes on Mar. 12, 2014
- Presentation from IEPA on IEPA's Proposed New General NPDES Permit No. ILR40 at Mar. 19, 2014 MAC meeting
- Presentation on Des Plaines River Watershed Workgroup at Mar. 19, 2014 MAC meeting
- Designated Erosion Control Inspector (DECI) Workshop held on Mar. 28, 2014
- Webcast on The Life of a Stormwater Practice: Design and Construction of BMPs on Apr. 9, 2014
- Homeowners Association (HOA) Stormwater Maintenance Workshop held on Apr. 16, 2014
- Fox River/Chain O'Lakes river clean-up in Fox Lake, Port Barrington & Antioch, IL May 3, 2014
- Chicago River Day clean-up in Highland Park, Lake Forest & Deerfield, IL on May 9, 2014
- Rain Barrel, Compost Bin, and Native Plant Sale held on May 9, 2014
- Webcast on The Life of a Stormwater Practice: BMP Maintenance on May 21, 2014
- Presentation on Fox River Study Group's Fox River Implementation Plan at Jun. 12, 2014 MAC meeting
- Presentation on ASCE's Envision's Rating System at Jun. 12, 2014 MAC meeting
- Webcast on How to Pick the Right Vegetation for Bioretention and Its Cousins on Jun. 12, 2014
- Workshop on Watershed-Based Planning at Beyond the Basics 2014: Making Green Stormwater Practices Pay Off for Your Community Conference on Sep. 9, 2014
- Webcast on Stream Restoration as a Pollutant Reduction Strategy on Sep. 10, 2014
- Presentation on Municipal Spill Response Programs at Sep. 10, 2014 MAC meeting
- Des Plaines River clean-up in Riverwoods, IL on Sep. 13, 2014
- Presentation on the Illinois Urban Manual at Sep. 10, 2014 MAC meeting
- Roadway De-Icing Workshop held on Oct. 7 & 8, 2014
- Webcast on Implementing TMDLs: Local TMDLs and Regional/River Basin TMDLs: A Happy Engagement or a Shotgun Wedding on Oct. 8, 2014
- Webcast on Implementing TMDLs: Retrofitting Existing Stormwater Ponds & Basins on Nov. 12, 2014
- Presentation from IEPA on the Requirements of and Expectations Associated with IEPA's General NPDES Permit No. ILR40 at Dec. 10, 2014 MAC meeting

- **Webcast on Using Illicit Discharge Programs to Monitor Bacteria on Feb. 18, 2015**

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, 2014 and February 28, 2015, including:

- **Lake County Green Living Fair held in Libertyville, IL on Mar. 15, 2014**
- **Homeowners Association (HOA) Stormwater Maintenance Workshop held on Apr. 16, 2014**
- **Rain Barrel, Compost Bin, and Native Plant Sale held on May 9, 2014**
- **Village of Round Lake Public Works Week Celebration held in Round Lake, IL on May 21, 2014**
- **League of Women Voters Presentations on Lake Michigan: Stormwater From the Ground Up held in various locations on Jul. 9, Jul. 31, and Sep. 14, 2014**

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 continues to make available "The Big Picture: Water Quality, Regulations & NPDES" presentation to Lake County MS4s.

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 12. According to records, there were 9 SMC meetings, 2

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 12:

- North Branch Chicago River Planning Committee – 4
- North Branch Watershed Consortium – 1
- Mill Creek Watershed Planning Committee – 1
- Bull Creek/Bull's Brook Watershed Council – 4
- Buffalo Creek Clean Water Partnership – 5
- Flint Creek Watershed Partnership – 2
- Tower Lake Drain Watershed Partnership – 4
- 9 Lakes Watershed Planning Committee – 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 12.

Prepare annual report on Qualifying Local Program activities at end of Year 12.

SMC tracked the number of Municipal Advisory Committee (MAC) meetings conducted during Year 12. 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 12 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 13 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 sponsored or co-sponsored a number of workshops and events on stormwater-related topics between March 1, 2014 and February 28, 2015. Such workshops and events are described above.

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.

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 12, there were 67 EOs in Lake County.

SMC last completed a cycle of the community re-certification process, which included a performance review of all 53 certified and non-certified communities, during a 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, 2014 and February 28, 2015, 4 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, 2014 and February 28, 2015, 655 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.

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. 12, 2014.

At the annual WMB meeting, 16 flood reduction and water quality improvement projects, including stormwater retrofit projects, were selected to receive \$152,000 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 sponsored or co-sponsored a number of workshops and events on stormwater-related topics between March 1, 2014 and February 28, 2015. Such workshops and events are described above.

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, 2014 and February 28, 2015, 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 12

The QLP did not collect any monitoring data on behalf of Lake County's MS4s during Year 12. However, SMC has reviewed information presented by the Illinois EPA in the 2014 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 2015

This brief report is based on information contained in the Illinois EPA's 2014 Illinois Integrated Water Quality Report and Section 303(d) List, dated March 24, 2014. 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 2014 Illinois Integrated Water Quality Report and Section 303(d) List.

Streams

An analysis of data accompanying the Illinois EPA's 2014 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 2014 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 2014 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 2014 Illinois Integrated Water Quality Report and Section 303(d) List shows that 135 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 by the Illinois EPA through the Lake Michigan Monitoring Program. 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 harbors, and 64 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 2014 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: 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. Additionally, aesthetic quality use in all 196 assessed square miles of open water was rated as Not Supporting due to exceedances of the Lake Michigan open water standard for total phosphorus. It should be noted that such exceedances do not necessarily indicate that there are offensive conditions in Lake Michigan due to excessive algal or aquatic plant growth.

A portion of all 2.62 square miles of harbors of Lake Michigan located in Illinois were assessed for the Illinois EPA's 2014 Illinois Integrated Water Quality Report and Section 303(d) List for several different designated uses. 66.7 percent of the square miles of harbors assessed for aesthetic quality (i.e., 0.12 of 0.18 sq. mi.) were rated as Fully Supporting, while the remaining 33.3 percent (i.e., 0.06 of 0.18 sq. mi.) were rated as Not Supporting. 97.6 percent of the square miles of 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 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 64 shoreline miles of Lake Michigan located in Illinois were assessed for the Illinois EPA's 2014 Illinois Integrated Water Quality Report and Section 303(d) List for several different designated uses. All 64 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.

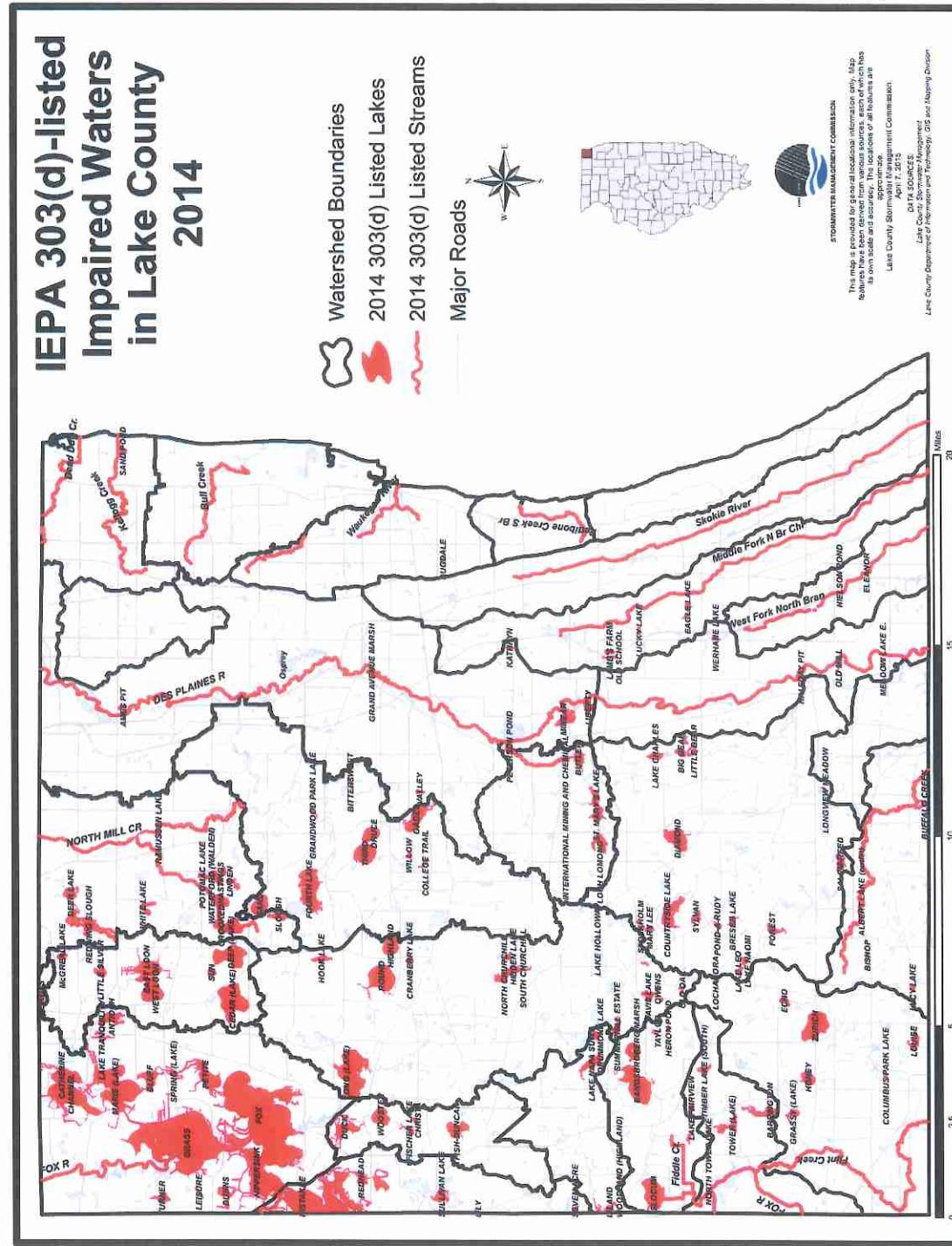


Figure E3.1

Part E4. QLP Summary of Year 13 Stormwater Activities

The table below indicates the stormwater management activities that the QLP plans to undertake during Year 13. Additional information about the BMPs and measurable goals that the QLP will implement during Year 13 is provided in the section following the table.

Note: X indicates BMPs that will be implemented during Year 13

Year 13	QLP		Year 13	QLP	
A. Public Education and Outreach			D. Construction Site Runoff Control		
X A.1 Distributed Paper Material			X D.1 Regulatory Control Program		
X A.2 Speaking Engagement			X D.2 Erosion and Sediment Control BMPs		
X A.3 Public Service Announcement			X D.3 Other Waste Control Program		
X A.4 Community Event			X D.4 Site Plan Review Procedures		
X A.5 Classroom Education Material			X D.5 Public Information Handling Procedures		
X A.6 Other Public Education			X D.6 Site Inspection/Enforcement Procedures		
B. Public Participation/Involvement			X D.7 Other Construction Site Runoff Controls		
X B.1 Public Panel					
X B.2 Educational Volunteer					
X B.3 Stakeholder Meeting			E. Post-Construction Runoff Control		
X B.4 Public Hearing			X E.1 Community Control Strategy		
X B.5 Volunteer Monitoring			X E.2 Regulatory Control Program		
X B.6 Program Coordination			X E.3 Long Term O&M Procedures		
X B.7 Other Public Involvement			X E.4 Pre-Const Review of BMP Designs		
C. Illicit Discharge Detection and Elimination			X E.5 Site Inspections During Construction		
X C.1 Storm Sewer Map Preparation			X E.6 Post-Construction Inspections		
X C.2 Regulatory Control Program			X E.7 Other Post-Const Runoff Controls		
X C.3 Detection/Elimination Prioritization Plan			F. Pollution Prevention/Good Housekeeping		
X C.4 Illicit Discharge Tracing Procedures			X F.1 Employee Training Program		
X C.5 Illicit Source Removal Procedures			X F.2 Inspection and Maintenance Program		
X C.6 Program Evaluation and Assessment			X F.3 Municipal Operations Storm Water Control		
X C.7 Visual Dry Weather Screening			X F.4 Municipal Operations Waste Disposal		
X C.8 Pollutant Field Testing			X F.5 Flood Management/Assess Guidelines		
X C.9 Public Notification			X F.6 Other Municipal Operations Controls		
X C.10 Other Illicit Discharge Controls					

Please note that the most recent version of IEPA's General NPDES Permit No. ILR40 (Permit) expired on March 31, 2014, and that the new version of the Permit has not yet been released to the public. Although it is difficult to accurately predict the changes that IEPA will make to the new version of the Permit, SMC remains committed to performing activities related to the six MCMs described in the most recent version of the Permit.

During Year 13, SMC plans to continue to perform a variety of stormwater management activities, as described in more detail below. 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 continue to support Lake County MS4s in the development and implementation of their stormwater management programs by performing activities related to the Public Education and Outreach minimum control measure, as described below.

A.1 Distributed Paper Material

SMC compiles, develops, and distributes throughout Lake County a variety of materials related to stormwater management. SMC has produced a number of pamphlets and brochures related to stormwater management and prepares a quarterly newsletter, "Mainstream," as well as an Annual Report, which highlight successful stormwater management activities conducted throughout Lake County. SMC also prepares project fact sheets that provide information about 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 on an as-needed basis.

Measurable Goal(s): Distribute informational materials from "take away" rack at SMC. Upon request, distribute informational materials directly to Lake County MS4s for local distribution.

A.2 Speaking Engagement

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

Measurable Goal(s): Provide educational presentations related to IEPA's NPDES Stormwater Program at MAC meetings. Upon request, provide educational presentations related to IEPA's NPDES Stormwater Program (e.g., "The Big Picture: Water Quality, Regulations & NPDES") to Lake County MS4s.

A.3 Public Service Announcement

A public service announcement related to IEPA's NPDES Stormwater Program will be included in SMC's Quarterly Newsletter, "Mainstream," at least once each year. SMC will coordinate with the Lake County Department of Transportation (LCDOT) to post watershed identification signage in watersheds where watershed planning activities have occurred or are occurring.

Measurable Goal(s): Include public service announcement related to IEPA's NPDES Stormwater Program in its quarterly newsletter, "Mainstream," at least once each year.
Post watershed identification signage in cooperation and collaboration with LCDOT.

A.4 Community Event

SMC sponsors and co-sponsors educational and technical training workshops on a variety of stormwater management-related topics. 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 stormwater best management practices (BMPs) that can be used to protect and improve water quality.

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

A.5 Classroom Education Material

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

Measurable Goal(s): Upon request, develop and compile materials for inclusion in a stormwater education kit.
Upon request, provide information, materials, and training to local students and teachers and/or stakeholders interested in conducting storm drain stenciling.

A.6 Other Public Education

SMC maintains a website that contains a variety of materials and resources related to stormwater management. The website includes webpages such as "National Pollutant Discharge Elimination System Stormwater Program," "Best Management Practices," "Projects," "Publications," "Watershed Management Plans," "Partnerships," and "Advisory Committees." These webpages provide information about IEPA's NPDES Stormwater Program, provide information about stormwater best management practices (BMPs), allow for download of stormwater management-related publications and documents, provide notices of upcoming meetings and ongoing projects, and provide links to a number of other stormwater management-related resources.

Measurable Goal(s): Maintain and update the portion of the SMC website dedicated to IEPA's NPDES Stormwater Program with resources such as model ordinances, case studies, brochures, and links.

B. Public Participation/Involvement

SMC will continue to support Lake County MS4s in the development and implementation of their stormwater management programs by performing activities related to the Public Participation/Involvement minimum control measure, as described below.

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 the watershed stakeholders. Watershed stakeholders may include municipalities, townships, drainage districts, homeowner associations, lakes management associations, developers, landowners, and local, county, state, and federal agencies.

Measurable Goal(s): Provide notice of stakeholder meetings on SMC website.

Track number of watershed committee meetings conducted.

Establish watershed planning committees for each new watershed planning effort.

B.4 Public Hearing

SMC coordinates and conducts public meetings as well as committee meetings that are open to the public. 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 Stormwater Program. MAC will continue to meet quarterly or as needed to assist Lake County MS4s with the implementation of IEPA's Stormwater Program.

The Watershed Management Board (WMB) meets annually to make recommendations on stormwater BMP project funding. WMB 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.6 Program Coordination

Consistent with Lake County's comprehensive, countywide approach to stormwater management, SMC serves as a Qualifying Local Program (QLP) for all Lake County MS4s. In this role, in 2002, SMC proactively formed the Municipal Advisory Committee (MAC) to provide a forum for representatives of local MS4s, which include municipalities, townships, and drainage districts, to discuss, among other topics, the implementation of IEPA's NPDES Stormwater Program. SMC will continue to facilitate quarterly MAC meetings and will continue to provide general support to Lake County MS4s as they continue to develop and implement their stormwater management programs. SMC will prepare an annual report on its stormwater management activities and will provide guidance to Lake County MS4s in preparing their own annual reports.

*Measurable Goal(s): Track number of MAC meetings conducted.
Prepare annual report on Qualifying Local Program stormwater management activities.
Prepare template for use by Lake County MS4s in creating their own annual reports.*

C. Illicit Discharge Detection and Elimination

SMC will continue to support Lake County MS4s in the development and implementation of their stormwater management programs by performing activities related to the Illicit Discharge Detection and Elimination minimum control measure, as described below. Note, however, that the primary responsibility for the implementation of the Illicit Discharge Detection and Elimination minimum control measure lies with the MS4.

C.2 Regulatory Control Program

SMC provides local MS4s with model and example illicit discharge ordinances that prohibit all non-stormwater discharges, including illegal dumping, to the storm sewer system. Additionally, the WDO includes provisions that prohibit illicit discharges to the storm sewer system during construction (i.e., prior to final site stabilization) on development sites.

*Measurable Goal(s): Provide model and example illicit discharge ordinances to Lake County MS4s.
Continue to administer and enforce the WDO.*

C.10 Other Illicit Discharge Controls

SMC regularly sponsors and co-sponsors educational and technical training workshops on a variety of stormwater management-related topics. Each year, 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.

Additionally, as part of its public education and outreach efforts, SMC distributes informational materials throughout Lake County about the hazards associated with illegal discharges and the improper disposal of waste.

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.
Distribute informational materials about the hazards of illicit discharges and illegal dumping from "take away" rack at SMC and SMC website.

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, including requirements for construction site runoff control. SMC will continue to support Lake County MS4s in the implementation of the Construction Site Runoff Control minimum control measure by administering and enforcing the WDO and performing other stormwater management activities, as described below. Note, however, that the primary responsibility for the implementation of the Construction Site Runoff Control minimum control measure in certified communities (i.e., communities certified by SMC to administer and enforce the provisions of the WDO) lies with the MS4.

D.1 Regulatory Control Program

The WDO is the regulatory mechanism that requires the use of soil erosion and sediment controls on development sites throughout Lake County. The soil erosion and sediment control provisions of the WDO are included in Article IV, Section B.1.j. of the ordinance. At a minimum, these standards apply to any development project that hydrologically disturbs 5,000 square feet of land 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 such agency be SMC or a certified community, and the permit holder, by creating a single point of contact for the discussion and resolution of site soil erosion and sediment control issues and concerns. Furthermore, the program is intended to improve site conditions, minimize environmental impacts, and educate contractors, developers, and inspectors about the use of soil erosion and sediment control BMPs. It is worth noting that the DECI program was designed to closely mirror the inspection requirements of IEPA's General NPDES Permit No. ILR10.

Measurable Goal(s): Continue to administer and enforce the WDO.
Continue to 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 activities conducted on a

development site. It specifies the use of a variety of 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. It is currently being updated by the Technical Advisory Committee (TAC).

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

Continue to work on updates to the Technical Reference Manual (TRM) and toward publication of the updated document.

D.3 Other Waste Control Program

Article IV, Section B.1.j. of the WDO includes provisions related to the control of waste and debris during construction on development sites.

Measurable Goal(s): Continue to administer and enforce the provisions of the WDO related to the control of waste and debris during construction on development sites.

D.4 Site Plan Review Procedures

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

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 additional guidance on the administration and

enforcement of the ordinance. It is currently being updated by the Technical Advisory Committee (TAC).

Measurable Goal(s): Administer the Enforcement Officer (EO) program outlined by the WDO.

Maintain an up-to-date list identifying each community's designated enforcement officer.

Periodically review each community's WDO administration and enforcement records.

Continue to work on updates to the Technical Reference Manual (TRM) and toward publication of the updated document.

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 problems and complaints reported by the public. SMC's website provides information on "who to call" for various stormwater-related problems and concerns. An Interagency Coordination Agreement between SMC, the US Army Corps of Engineers, and the Natural Resources Conservation Service specifies that if any of these agencies receive a report of a soil erosion and sediment control issue, they will relay such report to SMC. SMC will then investigate the report and prescribe appropriate corrective actions, sharing the results of such investigation with the property owner and any applicable local, state, or federal agencies. Within certified communities, such investigations are coordinated with the community's designated enforcement officer.

Measurable Goal(s): Document and track the number of soil erosion and sediment control-related complaints received and processed by SMC.

D.6 Site Inspection/Enforcement Procedures

Article VI of the WDO contains both recommended and minimum requirements for the inspection of development sites. Within certified communities, the community's designated enforcement officer is responsible for conducting these inspections; within certified communities, SMC's chief engineer is responsible for conducting these inspections. Per the ordinance, these inspections may be conducted by a community's designated enforcement officer at any stage in the construction process. For major developments, as defined by the WDO, the enforcement officer conducts site inspections, at a minimum, upon completion of installation of soil erosion and sediment controls, prior to the start of any other land disturbing activities, and after final stabilization and landscaping, prior to the removal of soil erosion and sediment controls.

Article VII of the WDO specifies the legal actions that may be taken and the penalties that may be imposed if the provisions of the WDO are violated. If development activities on a development site are not in compliance with the requirements of the WDO, the enforcement officer may issue a stop work order on all development activity on the development site or on the development 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 of the WDO, and any person convicted of violating the WDO may be fined.

Measurable Goal(s): Document and track the number of site inspections conducted by SMC.

E. Post-Construction Runoff Control

As described above, Lake County has adopted a countywide Watershed Development Ordinance (WDO) that establishes the minimum stormwater management requirements for development in Lake County, including requirements for post-construction runoff control. SMC will continue to support Lake County MS4s in the implementation of the Post-Construction Runoff Control minimum control measure by administering and enforcing the WDO and performing other stormwater management activities, as described below. Note, however, that the primary responsibility for the implementation of the Post-Construction Runoff Control minimum control measure in certified communities (i.e., communities certified by SMC to administer and enforce the provisions of the WDO) lies with the MS4.

E.2 Regulatory Control Program

The WDO requires all applicants to adopt stormwater management strategies for controlling post-construction stormwater runoff on development sites. As outlined in Article IV, Section B.1 of the WDO, all applicants must adopt stormwater management strategies that minimize increases in stormwater runoff rates, volumes, and pollutant loads from development sites. Proposed stormwater management strategies must address the runoff volume reduction requirements described in Article IV, Section B.1.d. of the WDO and must include appropriate stormwater BMPs to address the other applicable post-construction runoff control requirements of the WDO.

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

E.3 Long Term O&M Procedures

The WDO requires that maintenance plans be developed for all stormwater management systems designed to serve major developments, as defined by the WDO. Such maintenance plans must include: a description of all maintenance tasks; an identification of the party or parties responsible for performing such maintenance tasks; a description of all permanent maintenance easements or access agreements, overland flow paths, and compensatory storage areas; and, a description of dedicated sources of funding for the required maintenance. The WDO also requires that all stormwater management systems be located within a deed or plat restriction (e.g., easement) to ensure that the system remains in place in perpetuity and that access to the system is maintained in perpetuity for inspection and maintenance purposes.

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

E.4 Pre-Construction Review of BMP Designs

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

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

E.5 Site Inspections During Construction

As described above, Article VI of the WDO contains both recommended and minimum requirements for the inspection of development sites. Per the ordinance, these inspections may be conducted by a community's designated enforcement officer at any stage in the construction process. For major developments, as defined by the WDO, the enforcement officer conducts site inspections, at a minimum, upon completion of installation of soil erosion and sediment controls, prior to the start of any other land disturbing activities, and after final stabilization and landscaping, prior to the removal of soil erosion and sediment controls.

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

E.6 Post-Construction Inspections

As described above, Article VI of the WDO contains both recommended and minimum requirements for the inspection of development sites. Per the ordinance, these inspections may be conducted by a community's designated enforcement officer at any stage in the construction process, including after final stabilization and landscaping, after the removal of soil erosion and sediment controls. For major developments, as defined by the WDO, the enforcement officer conducts site inspections, at a minimum, upon completion of installation of soil erosion and sediment controls, prior to the start of any other land disturbing activities, and after final stabilization and landscaping, prior to the removal of soil erosion and sediment controls.

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

E.7 Other Post-Construction Runoff Controls

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

Measurable Goal(s): Conduct annual WMB meeting.

Contribute funding to flood damage reduction and water quality improvement projects through the WMB.

F. Pollution Prevention/Good Housekeeping

SMC will continue to support Lake County MS4s in the development and implementation of their stormwater management programs by performing activities related to the Pollution Prevention/Good Housekeeping minimum control measure, as described below. Note, however, that the primary responsibility for the implementation of the Pollution Prevention/Good Housekeeping minimum control measure lies with the MS4.

F.1 Employee Training Program

SMC will assist Lake County MS4s with the development and implementation of their employee training programs by maintaining a list of known employee training resources and opportunities, making available a software-based employee training program, and providing, upon request, technical assistance to local MS4s in developing and implementing their employee training programs. In addition, each year, SMC will sponsor or co-sponsor a training workshop related to pollution prevention/good housekeeping or other training workshop related to IEPA's NPDES Stormwater Program.

Measurable Goal(s): Maintain a list of known employee training resources and opportunities.

Make available the Excal Visual Storm Watch: Municipal Storm Water Pollution Prevention software-based employee training program.

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

F.5 Flood Management/Assess Guidelines

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

Measurable Goal(s): Track number of SMC-sponsored projects that are reviewed for multi-objective opportunities.

Part E5. QLP Construction Projects Conducted During Year 12

Part F. MS4 Construction Projects Conducted During Year 12

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