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 0439

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

Name: Village of Round Lake Beach Mailing Address 1: 1937 N. Municipal Way

Mailing Address 2: County: Lake

City: Round Lake Beach State: IL Zip: 60073 Telephone: 847-546-2351

Contact Person: Scott Hilts Email Address: shilts@rlbeach.org
(Person responsible for Annual Report)

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

State of Illinois County of Lake

Avon Township Lake Villa Township

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

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: May 28, 2015 Date:

Richard H. Hill Mayor

Printed Name: 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

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 has been approved by the Forms Management Center.

MS4 Annual Facility Inspection Report

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

Permit Year 13: March 2014 to February 2015

Village of Round Lake Beach, IL

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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 Year 11 Annual Report - Part D. Summary of Year 12 Stormwater Activities is provided in the following table.

Note: X indicates BMPs that were implemented in accordance with the MS4's Year 11 Annual Report - Part D. Summary of Year 12 Stormwater Activities
✓ 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
	A.3 Public Service Announcement
X	A.4 Community Event
	A.5 Classroom Education Material
	A.6 Other Public Education
B. Public Participation/Involvement	
	B.1 Public Panel
	B.2 Educational Volunteer
X	B.3 Stakeholder Meeting
	B.4 Public Hearing
	B.5 Volunteer Monitoring
	B.6 Program Coordination
	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
X	C.3 Detection/Elimination Prioritization Plan
X	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
X	C.6 Program Evaluation and Assessment
	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 12 MS4	
D. Construction Site Runoff Control	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
X	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
X	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
X	E.4 Pre-Const Review of BMP Designs
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
X	F.1 Employee Training Program
X	F.2 Inspection and Maintenance Program
X	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

No changes were made to the BMPs described in the MS4's BMP's during Year 12.

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 BMPs and measurable goals described in the MS4's Year 11 Annual Report - Part D. Summary of Year 12 Stormwater Activities, as of the end of Year 12, is described below.

A. Public Education and Outreach

The Village of Round Lake Beach is committed to implementing the Public Education and Outreach component of its MS4 program. The Public Education and Outreach program includes the distribution of educational material to the community or conducting equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to stormwater runoff. The Village of Round Lake Beach is committed to the implementation of BMPs related to Items A1 and A4. The status or progress of each of the measurable goals related to these BMPs is presented below.

A.1 Distributed Paper Material

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

Measurable Goal(s): Make Distributed Paper Material available to Public regarding stormwater BMP, water quality BMP, and proper hazardous waste use and disposal; Provide additional information via the Village's website.

A.4 Community Event

The Village of Round Lake Beach provides a convenient location where the general public can dispose of common household pollutants. Solid Waste Agency of Lake County (SWALCO) holds household waste collection events in various communities throughout Lake County, which assist in collecting waste before it enters the storm sewer system. The Village of Round Lake Beach publicizes these SWALCO events. Both SWALCO and the Village of Round Lake Beach advertise such programs via email and/or website notifications.

Measurable Goal(s): Continue to participate at events, such as Chamber of Commerce, SWALCO, etc.

The MS4 continues to implement BMPs and to track progress in implementing its permit program. The Village performed the following list of activities meeting the goals of Public Education and Outreach. The list is from the Village's MS4 Log Book for Year 12 that has been attached with this document:

DATE	Activity	Attendance / Quantity
7/6/2014, 1/6/2015	Stormwater Related Brochures and Materials Available to Public at Village Hall. Refreshed bi-annually.	• Citizen's Guide to Stormwater info booklet, • Homeowner guide to Stormwater BMPs, • HOA and Property Manager's BMP Guide, • Homeowner's Wetland Care Guide, • Flood informational pamphlets, • Northeast Illinois Flood Protection Packets, • Children's Water Pollution Packets, • Rain Garden Informational/How To Booklets
Year 12	Advertise textile, needle, and electronic recycling through Village website so residents and nearby communities are advised of the opportunities to recycle.	

B. Public Participation/Involvement

The Village of Round Lake Beach is committed to performing activities and services related to the Public Participation/Involvement minimum control measure under BMP number B3. The status or progress for each of the measurable goals related to this BMP is presented below.

B.3: Stakeholder Meeting

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

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

Measurable Goal(s): Publicize and participate in stakeholder meetings locally and participate in the Round Lake Management Committee. Attend/Sponsor watershed planning and stakeholders meetings. Participate in events offered by the QLP.

The following lists the activities meeting the goals of Public Participation/Involvement that were performed by the Village of Round Lake Beach in Year 12. The list is from the Village's MS4 Log Book for Year 12 that has been attached with this document:

DATE	Activity	Attendance / Quantity
3/19/2014	Municipal Advisory Committee Meeting - Lake County - NPDES II highlights for new permit	Attendees: 2
6/11/2014	Municipal Advisory Committee Meeting - Lake County - focus on inter-jurisdictional projects	Attendees: 2
9/10/2014	Municipal Advisory Committee Meeting - Lake County - focus on IDDE: response and case studies	Attendees: 3
12/10/2014	Municipal Advisory Committee Meeting - Lake County - focus on MS4 Audits	Attendees: 2
5/20/2014	Des Plaines River Watershed Workgroup - focus on IEPA water quality monitoring methods	Attendees: 1
8/26/2014	Des Plaines River Watershed Workgroup - Phosphorous, Section 319 Grant Applications, and Dam Removal	Attendees: 1
10/28/2014	Des Plaines River Watershed Workgroup - North Shore Sanitary District monitoring program	Attendees: 1

C. Illicit Discharge Detection and Elimination

The Village of Round Lake Beach will implement program activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control under BMP numbers C1, C2, C3, C4, C5 and C6. The requirements of an IDDE program include the following:

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

The status or progress for each of the measurable goals related to these BMPs is presented below.

C.1: Storm Sewer Map Preparation

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

Measurable Goal(s): The Village will maintain outfall mapping.

The Village has maintained the outfall map in Year 12 and has updated it with information obtained during the Dry Weather Screenings.

C.2: Regulatory Control Program

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

Measurable Goal(s): The Village will continue to enforce the Village's existing ordinances and the WDO.

The Village has continued to enforce the Village ordinances and the WDO.

C.3: Detection/Elimination Prioritization Plan

Implement plan established during original NOI to detect and address illicit discharges. Detection methods include dry-weather screening, regular storm sewer maintenance, and public reporting. Plan will be implemented in accordance with the Village ordinances. Complete dry weather screening of all outfalls on a rotating basis with each outfall being inspected at least once every 5 years. Enhance current plan based on SMPP template and implement plan enhancements.

Measurable Goal(s): Perform dry weather screening of all outfalls on a 5-year rotation.

Routine outfall inspections were performed by Village staff for twenty-one of the Village's outfalls. Individual outfalls were inspected and assessed. No Illicit Discharges were found during the investigations.

C.4: Illicit Discharge Tracing Procedures

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

Measurable Goal(s): Document illicit discharges and follow-up responses.

There were no reported or observed illicit discharges in Year 12.

C.5: Illicit Source Removal Procedures

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

Measurable Goal(s): Continue to implement Illicit Source Removal Procedures to follow up on routine illicit discharge inspection. Advertise illicit discharge/illegal dumping hotline on Village website.

There were no reported or observed illicit discharges in Year 12. The Village continues to advertise emergency numbers in its newsletter.

C.6: Program Evaluation and Assessment

Periodically evaluate and assess the IDDE.

Measurable Goal(s): Evaluate and assess the IDDE Plan during Year 12 as budget funds allow. Integrate the IDDE Plan into the SMPP.

The Village's budget was not able to accommodate the evaluation and assessment of the IDDE program in Year 12; however, the Village was capable of updating the Dry Weather Screening data sheets to better automate the process and allow for the screening of more outfalls with the same budget.

The Village performed the following list of activities meeting the goals of Illicit Discharge Detection and Elimination. The list is from the Village's MS4 Log Book for Year 12 that has been attached with this document:

DATE	Activity	Attendance / Quantity
12/31/2014	Outfall location map reviewed and updated with 2014 inspections	25 Outfalls Screened with locations updated
9/23/2014	Dry Weather Screening	25 Outfalls Screened
12/23/2014	Updated Dry Weather Screening for faster input and more efficient inspections in 2015. Process more automated to minimize inspector error and speed review of probable ID locations.	
Year 12	Textile, electronics, needle recycling collection locations within Round Lake Park	

D. Construction Site Runoff Control

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

The Village of Round Lake Beach is a WDO Certified Community and is committed to the implementation of BMPs related to Items D1, D2, D3, D4, D5, and D6. The status or progress for each of the measurable goals related to these BMPs is presented below.

D.1: Regulatory Control Program
See QLP description (in Part E.4.D-D.1 of this document).

Measurable Goal(s): The Village will continue to enforce the WDO and the Designated Erosion Control Inspector Program (DECI) programs.

The Village continued to enforce the WDO and DECI programs.

D.2: Erosion and Sediment Control BMPs
See QLP description (in Part E.4.D-D.2 of this document).

Measurable Goal(s): The Village will continue to enforce the WDO.

The Village continued to enforce the WDO.

D.3: Other Waste Control Program
See QLP description (in Part E.4.D-D.3 of this document).

Measurable Goal(s): The Village will continue to enforce WDO.

The Village continued to enforce the WDO.

D.4: Site Plan Review Procedures
See QLP description (in Part E.4.D-D.4 of this document). Continue to stay in good standing with SMC. Continue to review TAC meeting minutes and provide input as applicable.

Measurable Goal(s): The Village will continue to enforce WDO.

The Village has continued to enforce the WDO and has maintained the status of Certified Community with the SMC.

D.5: Public Information Handling Procedures
See QLP description (in Part E.4.D-D.5 of this document). Continue tracking number of complaints received and processed related to soil erosion and sediment control.

Measurable Goal(s): Continue tracking complaints related to Soil Erosion/Sediment Control.

The Village has continued to respond to all complaints related to SE/SC, performed SE/SC inspections on all construction sites and continued to enforce the WDO.

D.6: Site Inspection/Enforcement Procedures
See QLP description (in Part E.4.D-D.6 of this document). Continue current inspection and enforcement efforts.

Measurable Goal(s): The Village will continue to enforce WDO.

The Village has continued to enforce the WDO.

E. Post-Construction Runoff Control

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

The Village of Round Lake Beach is a WDO Certified Community and is committed to the implementation of BMPs related to Items E2, E3, E4, E5, and E6. The status or progress for each of the measurable goals related to these BMPs is presented below.

E.2: Regulatory Control Program

See QLP description (in Part E.4.E-E.2 of this document).

Measurable Goal(s): The Village will continue to enforce WDO.

The Village has continued to enforce the WDO.

E.3: Long Term O&M Procedures

See QLP description (in Part E.4.E-E.3 of this document). Continue existing Village inspection program of detention facilities.

Measurable Goal(s): The Village will continue to enforce WDO.

The Village has continued to enforce the WDO.

E.4: Pre-Construction Review of BMP Designs

See QLP description (in Part E.4.E-E.4 of this document).

Measurable Goal(s): The Village will continue to enforce WDO.

The Village has continued to enforce the WDO.

E.5: Site Inspections During Construction

See QLP description (in Part E.4.E-E.5 of this document).

Measurable Goal(s): The Village will continue to enforce WDO.

The Village has continued to enforce the WDO.

E.6: Post-Construction Inspections

See QLP description (in Part E.4.E-E.6 of this document).

Measurable Goal(s): The Village will continue to enforce WDO.

The Village has continued to enforce the WDO.

The Village performed the following list of activities meeting the goals of Post-Construction Runoff Control; the list is from the Village's MS4 Log Book for Year 12 that has been attached with this document:

DATE	Activity	Attendance / Quantity
11/12/2014	IEPA Webcast on retrofitting existing BMPs - Lake County	Attendees: 1

F. Pollution Prevention/Good Housekeeping

This portion of the program involves the implementation of the operation and maintenance program to reduce the discharge of pollutants from municipal operations and a training program for municipal employees. The Village of Round Lake Beach committed to perform activities for BMP numbers F1, F2, F3, and F4. The status or progress for each of the measurable goals related to these BMPs is presented below.

F.1: Employee Training Program

The SMC periodically offers training programs on topics ranging from BMP maintenance, erosion control, low impact development, wetland protection, flood protection, maintenance of storm sewer systems, and other pertinent topics to MS4s. SMC, the Qualifying Local Program, serve as a clearinghouse of these materials. The Village of Round Lake Beach is committed to participating in the training programs offered by the SMC and provides on-the-job training for municipal employees.

Measurable Goal(s): The Village will continue to train employees on basics of stormwater management. The Village will continue to support staff attending routine SMC-sponsored trainings. The Village will track attendance at training events to ensure all key employees are exposed to adequate training.

The Village continues to support staff involvement in SMC-sponsored trainings. A training program is in place for all new employees, which includes spill cleanup, salt usage, illicit discharges and stormwater management.

F.2: Inspection and Maintenance Program

The Pollution Prevention/Good Housekeeping program includes measures to reduce the amount and type of pollution that: (1) collects on streets, parking lots, open spaces, and storage and vehicle maintenance areas and is discharged into local waterways; and (2) results from actions such as environmentally damaging land development and flood management practices

or poor maintenance of storm sewer systems. Clean, correct, or otherwise address identified storm and sanitary sewer trouble areas.

Measurable Goal(s): The Village will continue to clean sanitary sewers and stormwater structures and document street sweeping quantities.

The Village performed quarterly sanitary sewer maintenance, along with jetting and vacuuming of backed up lines. Catch basins were cleaned as needed and all curbed streets were swept monthly from May through October.

F.3: Municipal Operations Storm Water Control

The program identifies where maintenance and washing of Village of Round Lake Beach fleet is done, how lubricant and oil spills are handled, how/where road salt and chemicals are stored, etc.

Measurable Goal(s): Continue to monitor containment areas at Department of Public Works.

The Public Works Department continued to monitor the containment areas to assure the Village's operations did not have a negative impact on storm water control.

F.4: Municipal Operations Waste Disposal

The program 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): Track road salt usage and continue to transition into brine and calcium chloride usage.

The Village has continued to track road salt usage and has continued to transition into using brine, calcium chloride and beet juice as an alternative de-icing strategy. The list of activities for Pollution Prevention and Good Housekeeping from the Village's MS4 Log Book for Year 12 can be found below and has been attached with this document:

DATE	Activity	Attendance / Quantity
6/19/2014	Street Cleaning - Machine Sweep Village parking lots and allotted primary and secondary streets.	Private Service - not available
7/31/2014	Street Cleaning - Machine Sweep Village parking lots and allotted primary and secondary streets.	Private Service - not available
9/5/2014	Street Cleaning - Machine Sweep Village parking lots and allotted primary and secondary streets.	Private Service - not available

DATE	Activity	Attendance / Quantity
9/29/2014	Street Cleaning - Machine Sweep Village parking lots and allotted primary and secondary streets.	Private Service - not available
10/1/2014	2014 De-Icing Workshop at Lake County Permit Facility	4 Employees
10/31/2014	Street Cleaning - Machine Sweep Village parking lots and primary and secondary streets.	Private Service - not available
2014	Streets Division - Grounds/ROW/Drainage Way clean-up; Deicing Operations utilizing above-mentioned training including in-house maintenance; Storm main and structure cleaning.	Streets Division - 2547.25 man-hours (approximately 1/3 of time for the division)
2014-2015	Salt Usage tracking	9704 Miles of streets with salt applied, 1173.5 Tons of salt used on streets

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 February, 2014 the IEPA conducted an inspection to review the facility operations with regard to applicable state and federal water pollution control laws and regulations. The inspection was conducted on February 7, 2014 and it was reported that the Village has substantially implemented most of the requirements of the NPDES Permit. It was determined, though, that the Village shall complete a written Storm Water Management Plan as well as pass a new IDDE ordinance. Furthermore, it was recommended that the Village website more predominantly display initiatives concerning public education and participation. It was also reported that in order to fully comply with the NPDES Permit conditions, the Village must conduct annual monitoring in accordance with Part V of the NPDES Permit. The Village is currently evaluating options on implementation of these requirements and recommendations.

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

Annual Monitoring and Data Collection, Year 12

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

Water quality sampling was only performed for certain outfalls to locate problematic concentrations of potential pollutants. The following acceptable range was verified for inlets containing water or a flow during the dry weather screening:

PARAMETER	ACCEPTABLE RANGE
Temperature	N/A
pH	6 to 9 (unitless)
Ammonia	< 3 mg/L
TDS	N/A but noted for future use

Note – the ranges were adjusted for the time of year as necessary. No samples were forwarded to a separate laboratory for analysis as there were no indicators present which would represent a need to justify laboratory analysis.

IDDE Monitoring and Data Collection, Year 12

Information and data that the Village of Round Lake Beach collected as part of its illicit discharge detection and elimination program are summarized below:

An outfall database was created to label, locate, and track inspections of Village outfalls. A total of 25 outfalls were screened. 5 of these outfalls were inspected for dry weather flows. Onsite water quality testing was performed for indicators of potential illicit discharge. Water quality testing, was performed for all potential illicit discharges. The testing analysis for ammonia, pH, and temperature were consistent with established benchmark concentrations for the time of year.

Only outfalls were screened at various locations around both commercial and residential zoned areas. Outfalls were chosen for their location upstream of the Round Lake Drain. Any pollutants entering the drain would have a direct access to Long Lake and Squaw Creek. During the investigations, evidence of one illicit discharge previously in the area was found, though there was no detectable amount remaining at the time of the inspection. The inspection was reported and documented and follow-up inspections have been scheduled at this location in Year 13.

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

Year 13 MS4	
D. Construction Site Runoff Control	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
X	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
X	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
X	E.4 Pre-Const Review of BMP Designs
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
X	F.1 Employee Training Program
X	F.2 Inspection and Maintenance Program
X	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations 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, which will likely be issued during Year 13, 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, the MS4 remains committed to performing activities related to the six MCMs described in the most recent version of the Permit.

The Village of Round Lake Beach plans to continue to perform a variety of stormwater management activities to be completed during PY13, and in brief below.

A. Public Education and Outreach

The Village of Round Lake Beach is committing to implement the Public Education and Outreach component of its Stormwater Management Program. The Public Education and Outreach program includes the distribution of educational material to the community or conducting equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to stormwater runoff. The Village of Round Lake Beach commits to implementation of BMPs as described below.

A.1 Distributed Paper Material

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

Measurable Goal(s): Make distributed paper material available to the public; provide additional information via the Village's website.

A.4 Community Event

The Village of Round Lake Beach provides a convenient location where the general public can dispose of common household pollutants. Solid Waste Agency of Lake County (SWALCO) holds household waste collection events in various communities throughout Lake County, which assist in collecting waste before it enters the storm sewer system. The Village of Round Lake Beach publicizes these SWALCO events.

Measurable Goal(s): Continue to provide the public a convenient drop-off location for recyclable electronic devices and continue to publicly advertise SWALCO Household Chemical Waste Drop-off events. The Village will also participate in the annual Chamber of Commerce Exposition where storm-water related handouts will be available to the public.

B. Public Participation/Involvement

The Village of Round Lake Beach is committing to implementing the Public Participation/Involvement component of its Stormwater Management Program. The Public Participation/Involvement program includes attending and publicizing watershed stakeholder meetings, presenting program information at a public meeting at least annually and publicizing IDDE reporting contact numbers. The Village of Round Lake Beach commits to implementation of BMPs as described below.

B.3: Stakeholder Meeting

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

Measurable Goal(s): The Village will continue to participate in Round Lake Management Committee meetings and will continue to attend the Des Plaines River Watershed Workgroup meetings and evaluate becoming a member of the workgroup.

C. Illicit Discharge Detection and Elimination

The Village of Round Lake Beach will implement program activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control. The requirements of an IDDE program include the following:

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

C.1: Storm Sewer Map Preparation

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

Measurable Goal(s): Maintain outfall map.

C.2: Regulatory Control Program

The Village of Round Lake Beach adopted ordinance language to prohibit non-storm water discharges to the storm sewer or drainage system, under the original NOI. In follow up to the IEPA inspection conducted in February, 2014 the Village will draft a new specific IDDE ordinance in PY13 that will further enhance the Village's commitment and ability to enforce the IDDE program.

Measurable Goal(s): Draft and adopt a more specific IDDE ordinance. Enforce the adopted ordinance.

C.3: Detection/Elimination Prioritization Plan

In follow up to the IEPA inspection conducted in February, 2014 the Village will draft a new detection/elimination prioritization plan that will be incorporated into the Village's SMPP that will also be drafted and adopted by the Village during PY13. The plan will include and more clearly define the dry-weather screening program that was initiated in PY12.

Measurable Goal(s): Draft and adopt a new detection/elimination prioritization plan that will be incorporated into the Village's SMPP. Continue to complete dry-weather outfall screenings on a 5-year rotation.

C.4: Illicit Discharge Tracing Procedures

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

Measurable Goal(s): Draft and adopt a new illicit discharge tracing procedure that will be incorporated into the Village's SMPP. Document illicit discharges and follow-up responses.

C.5: Illicit Source Removal Procedures

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

Measurable Goal(s): Continue to advertise illicit discharge/illegal dumping hotline in Village newsletter and update its information on the Village website in Year 13.

C.6 Program Evaluation and Assessment

Periodically evaluate and assess the IDDE.

Measurable Goal(s): Evaluate and assess the current IDDE Plan and incorporate applicable portions into the newly drafted program.

D. Construction Site Runoff Control

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

D.1: Regulatory Control Program

See QLP description (in Part E.4.D-D.1 of this document)

Measurable Goal(s): Continue to enforce WDO and administer the Designated Erosion Control Inspector Program as outlined by the WDO.

D.2: Erosion and Sediment Control BMPs

See QLP description (in Part E.4.D-D.2 of this document).

Measurable Goal(s): Continue to enforce WDO.

D.3: Other Waste Control Program

See QLP description (in Part E.4.D-D.3 of this document).

Measurable Goal(s): Continue to enforce WDO.

D.4: Site Plan Review Procedures
See QLP description (in Part E.4.D-D.4 of this document). Continue to stay in good standing with SMC. Continue to review TAC meeting minutes and provide input as applicable.

Measurable Goal(s): Continue to enforce WDO.

D.5: Public Information Handling Procedures
See QLP description (in Part E.4.D-D.5 of this document). Continue tracking number of complaints received and processed related to soil erosion and sediment control.

Measurable Goal(s): Continue tracking complaints related to Soil Erosion/Sediment Control.

D.6: Site Inspection/Enforcement Procedures
See QLP description (in Part E.4.D-D.6 of this document). Continue current inspection and enforcement efforts.

Measurable Goal(s): Continue to enforce WDO.

E. Post-Construction Runoff Control

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

E.2: Regulatory Control Program
See QLP description (in Part E.4.E-E.2 of this document).

Measurable Goal(s): Continue to enforce WDO.

E.3: Long Term O&M Procedures
See QLP description (in Part E.4.E-E.3 of this document). Continue existing Village inspection program of detention facilities.

Measurable Goal(s): Continue to enforce WDO.

E.4: Pre-Construction Review of BMP Designs
See QLP description (in Part E.4.E-E.4 of this document).

Measurable Goal(s): Continue to enforce WDO.

E.5: Site Inspections During Construction
See QLP description (in Part E.4.E-E.5 of this document).

Measurable Goal(s): Continue to enforce WDO.

E.6: Post-Construction Inspections

See QLP description (in Part E.4.E-E.6 of this document).

Measurable Goal(s): Continue to enforce WDO.

F. Pollution Prevention/Good Housekeeping

This portion of the program involves the implementation of the operation and maintenance program to reduce the discharge of pollutants from municipal operations and a training program for municipal employees. The Village of Round Lake Beach commits to implementation of BMPs as described below.

F.1: Employee Training Program

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

Measurable Goal(s): Train employees on basics of stormwater management and continue to attend seminars, classes, etc.

F.2: Inspection and Maintenance Program

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

Measurable Goal(s): Continue to clean sanitary sewers and stormwater structures as well as documenting street sweeping quantities.

F.3: Municipal Operations Storm Water Control

The program identifies where maintenance and washing of Village of Round Lake Beach fleet is done, how lubricant and oil spills are handled, how/where road salt and chemicals are stored, etc.

Measurable Goal(s): Continue to monitor containment areas at Department of Public Works.

F.4: Municipal Operations Waste Disposal

The program 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): Track road salt and brine usage.

Part E. Notice of Qualifying Local Program

The Lake County Stormwater Management Commission (SMC) serves as a Qualifying Local Program (QLP) for MS4s in Lake County. In accordance with IEPA's General NPDES Permit No. ILR40, as a QLP, SMC performs activities related to each of the six minimum control measures. This part of the Annual Report, which summarizes the stormwater management activities performed by SMC as a QLP, consists of the following five subparts:

- **Part E1** identifies changes to Best Management Practices (BMPs) that occurred during Year 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 that were funded by the QLP during Year 12.

Part E. Notice of Qualifying Local Program

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- **Part E5** lists the construction projects conducted by the QLP during Year 12.

Please note that portions of the QLP's reported activities do not apply to the Village of Round Lake Beach and have, therefore, been shown as crossed out or omitted.

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 NDPES General Permit No. ILR40, as a QLP, SMC performs activities related to each of the six minimum control measures. The stormwater management activities that the QLP performed during Year 12 are described below.

A. Public Education and Outreach

A.1Distributed 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.3Public 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.4Community 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. 11, 2014 MAC meeting
- Presentation on ASCE's Envision's Rating System at Jun. 11, 2014 MAC meeting
- Webcast on How to Pick the Right Vegetation for Bioretention and Its Cousins on Jun. 11, 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.5Classroom 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. 11, 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.

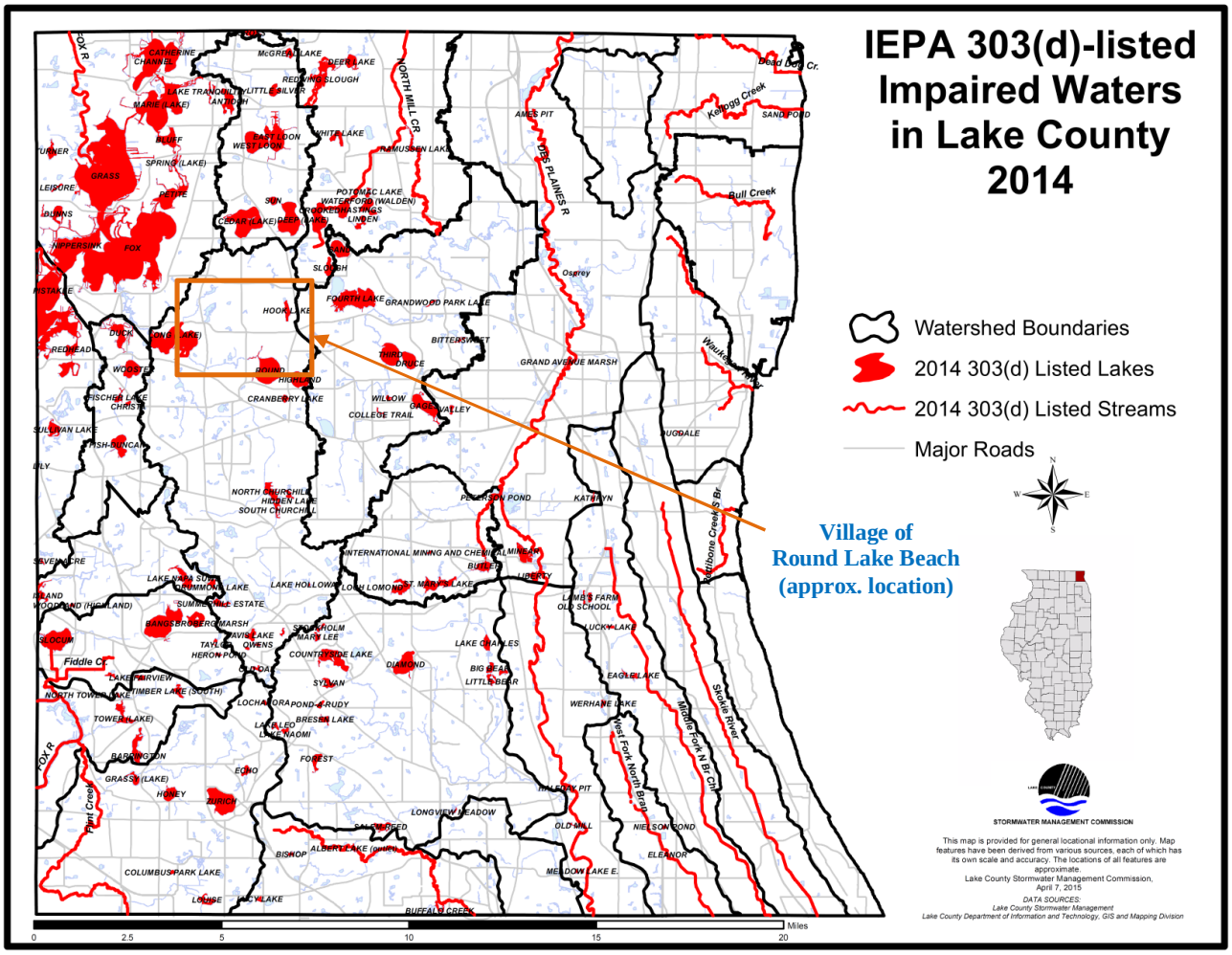
IEPA 303(d)-listed Impaired Waters in Lake County 2014
Watershed Boundaries
2014 303(d) Listed Lakes
2014 303(d) Listed Streams
Major Roads
Village of Round Lake Beach (approx. location)
STORMWATER MANAGEMENT COMMISSION
This map is provided for general locational information only. Map features have been derived from various sources, each of which has its own scale and accuracy. The locations of all features are approximate.
Lake County Stormwater Management Commission, April 7, 2015
DATA SOURCES:
Lake County Stormwater Management
Lake County Department of Information and Technology, GIS and Mapping Division
Miles
0
2.5
5
10
15
20

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	
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 13 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

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.5Classroom 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

QLP: 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

Project Name	Project Size (acres)	Construction Start Date	Construction End Date
None within MS4 limits			

Part F. Construction Projects Conducted During Year 12 by the Village of Round Lake Beach

Project Name	Project Size (acres)	Construction Start Date	Construction End Date
No applicable projects.			

Round Lake Beach MS4 Log Book

Permit Year 12

Documentation Contents

	Documentation/Activity	DATE	Page
	Website - Streets and Drainage Division screen print		1
	Website - Stormwater informational packet		3
	Website - textile recycling		5
	Website - needle recycling locations available		7
	Website - electronics recycling locations available		9
	Website - needle recycling information		11
	Municipal Advisory Committee Meeting Minutes March 19, 2014	3/19/2014	15
	Municipal Advisory Committee Meeting Minutes and Sign-In Sheets June 11, 2014	6/11/2014	25
	Municipal Advisory Committee Meeting Minutes and Sign-In Sheets September 10, 2014	9/11/2014	41
	Municipal Advisory Committee Meeting Minutes and Sign-In Sheets, December 10, 2014	12/10/2014	50
	Des Plaines River atershed Workgroup Meeting Agenda, May 20, 2014	5/20/2014	51
	Des Plaines River atershed Workgroup Meeting Information, August 26, 2014	8/26/2014	52
	Des Plaines River atershed Workgroup Meeting Agenda, October, 28, 2014	10/28/2014	88
	2014 Deicing Workshop - Lake County	10/7/2014	89
	Dry Weather Screening Summary and Reports	9/23/2014	90
	Webcast Training - Retrofitting Existing Stormwater Ponds and Basins	11/12/2014	167
	Street Sweeping Invoices	6/19, 7/31, 9/5, 9/29, 10/31/2014	199
	Streets Division Man Hours summary from Village of Round Lake Beach's Public Works Annual Report	2014	204
	Salt Usage Costs for 2014-2015 winter	2014-2015	205

Round Lake Beach MS4 Log Book

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Public Education and Outreach

DATE	Activity	Attendance / Quantity
7/6/2014	Stormwater Related Brochures and Materials Available to Public at Village Hall. Refreshed bi-annually	see materials below
1/6/2015	Stormwater Related Brochures and Materials Available to Public at Village Hall. Refreshed annually.	Citizen's Guide to Stormwater info booklet, Homeowner guide to Stormwater BMPs, HOA and Property Manager's BMP Guide, Homeowner's Wetland Care Guide, Flood informational paphlets, Northeast Illinois Flood Protection Packets, Children's Water Pollution Packets, Rain Garden Informational/How To Booklets
Year 12	Advirtise textile, needle, and electronic recycling through Village website so residents and nearby communities are advised of the opportunities to recycle.	

Round Lake Beach MS4 Log Book

Permit Year 12

Public Participation and Involvement

DATE	Activity	Attendance / Quantity
3/19/2014	Municipal Advisory Committee Meeting - Lake County - NPDES II highlights for new permit	Attendees: 2
6/11/2014	Municipal Advisory Committee Meeting - Lake County - focus on interjurisdictional projects	Attendees: 2
9/10/2014	Municipal Advisory Committee Meeting - Lake County - focus on IDDE: response and case studies	Attendees: 3
12/10/2014	Municipal Advisory Committee Meeting - Lake County - focus on MS4 Audits	Attendees: 2
5/20/2014	Des Plaines River atershed Workgroup Meeting Agenda, May 20, 2014	Attendees: 1
8/26/2014	Des Plaines River atershed Workgroup Meeting Information, August 26, 2014	Attendees: 1
10/28/2014	Des Plaines River atershed Workgroup Meeting Agenda, October, 28, 2014	Attendees: 1

Round Lake Beach MS4 Log Book

Permit Year 12

Illicit Discharge Detection and Elimination

DATE	Activity	Attendance / Quantity
12/31/2014	Outfall location map reviewed and updated with 2014 inspections	25 Outfalls Screened with locations updated
9/23/2014	Dry Weather Screening	25 Outfalls Screened
12/23/2014	Updated Dry Weather Screening for faster input and more efficient inspections in 2015. Process more automated to minimize inspector error and speed review of probable ID locations.	
Year 12	Textile, electronics, needle recycling collection locations.	not available

Round Lake Beach MS4 Log Book

Permit Year 12

Construction Stormwater Runoff Control

DATE	Activity	Attendance / Quantity

Round Lake Beach MS4 Log Book

Permit Year 12

Post-Construction Stormwater Management

DATE	Activity	Attendance / Quantity
11/12/2014	IEPA Webcast on retrofitting existing BMPs - Lake County	Attendees: 1

Round Lake Beach MS4 Log Book

Permit Year 12

Pollution Prevention and Good Housekeeping

DATE	Activity	Attendance / Quantity
6/19/2014	Street Cleaning - Machine Sweep Village parking lots and allotted primary and secondary streets.	Private Service - not available
7/31/2014	Street Cleaning - Machine Sweep Village parking lots and allotted primary and secondary streets.	Private Service - not available
9/5/2014	Street Cleaning - Machine Sweep Village parking lots and allotted primary and secondary streets.	Private Service - not available
9/29/2014	Street Cleaning - Machine Sweep Village parking lots and allotted primary and secondary streets.	Private Service - not available
10/1/2014	2014 De-Icing Workshop at Lake County Permit Facility	4 Employees
10/31/2014	Street Cleaning - Machine Sweep Village parking lots and primary and secondary streets.	Private Service - not available
2014	Streets Division - Grounds/ROW/Drainage Way clean-up; Deicing Operations utilizing above-mentioned training including in-house maintenance; Storm main and structure cleaning.	Streets Division - 2547.25 man-hours (approximately 1/3 of time for the division)
2014-2015	Salt Usage tracking	9704 Miles of streets with salt applied, 1173.5 Tons of salt used on streets