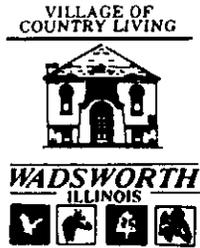


# VILLAGE OF WADSWORTH

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14155 Wadsworth Road Wadsworth, Illinois 60083



May 11, 2015

Illinois Environmental Protection Agency, DWPC  
Compliance Assurance Section #19  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276

Re: NPDES Phase II – Year Twelve Annual Report  
Village of Wadsworth MS4 Permit ILR40-0492

To Whom It May Concern:

On behalf of the Village of Wadsworth, please find attached a completed IEPA Annual Facility Inspection Report for Storm Water Discharges from Municipal Separate Storm Sewer Systems (MS4) with supplemental information.

If you should have any questions or require additional information, please contact me at (847) 336-7771.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Amidei".

Moses Amidei  
Village Administrator

Attachments

cc: John Briggs, Gewalt Hamilton Associates, Inc.



# 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 0492

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

Name: Village of Wadsworth Mailing Address 1: 14155 West Wadsworth Road

Mailing Address 2: \_\_\_\_\_ County: Lake

City: Wadsworth State: IL Zip: 600083 Telephone: (847) 336-7771

Contact Person: Moses Amidei Email Address: mamidei@villageofwadsworth.org  
(Person responsible for Annual Report)

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

Lake County

#### THE FOLLOWING ITEMS MUST BE ADDRESSED.

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

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

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

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

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

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

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

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

  
\_\_\_\_\_  
Owner Signature:

Moses Amidei  
\_\_\_\_\_  
Printed Name:

5.11.15  
\_\_\_\_\_  
Date:

Village Administrator  
\_\_\_\_\_  
Title:

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

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

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.

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

**Village of Wadsworth  
Permit Year 12: March 2014 to February 2015**

**Contents**

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**Part F. Construction Projects Conducted During Year 12 ..... F-1**

## 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 draft SWMP is provided in the following table.

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

Year 12	
MS4	
<b>A. Public Education and Outreach</b>	
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>B. Public Participation/Involvement</b>	
	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
X	B.7 Other Public Involvement
<b>C. Illicit Discharge Detection and Elimination</b>	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
X	C.3 Detection/Elimination Prioritization Plan
X	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
X	C.6 Program Evaluation and Assessment
X	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
X	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 12	
MS4	
<b>D. Construction Site Runoff Control</b>	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
X	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
<b>E. Post-Construction Runoff Control</b>	
X	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
<b>F. Pollution Prevention/Good Housekeeping</b>	
X	F.1 Employee Training Program
X	F.2 Inspection and Maintenance Program
X	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
	F.5 Flood Management/Assess Guidelines
X	F.6 Other Municipal Operations Controls

No changes were made to the BMPs described in the MS4's SWMP 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, including the MS4's BMPs and measureable goals, are described in detail in the MS4's draft SWMP. A brief summary of the status of the MS4's stormwater management program, as of the end of Year 12, is provided below.

Tracking forms are used to track the implementation of the BMPs described in the MS4's draft SWMP.

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

The Village of Wadsworth is committed to conduct Public Education and Outreach as part of its permit. Public Education and Outreach requires implementation of a program to distribute educational material to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to storm water runoff. The Village of Wadsworth is committed to implementation of BMPs related to A.1, A.4 and A.6. The status or progress for 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 storm water management in Lake County. A number of pamphlets and brochures related to BMP's and storm water management have been produced.

*Measurable Goals: Provide available information on BMP's to homeowners associations known to have BMP's in place. Review and revise draft Storm Water Management Program (SWMP) language related to this provision by the end of Year 13.*

**The Village of Wadsworth intends to adopt and implement a Storm Water Management Plan (SWMP) with text concerning this provision by the end of Year 13.**

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

The Village 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 publicizes these SWALCO events.

*Measurable Goal(s): Review and Revise draft SWMP language related to this provision by the end of Year 13.*

**The Village of Wadsworth intends to adopt and implement a SWMP with text concerning this provision by the end of Year 13.**

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

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

*Measurable Goal(s): Review and Revise draft SWMP language related to this provision by the end of Year 13.*

**The Village of Wadsworth intends to adopt and implement a SWMP with text concerning this provision by the end of Year 13.**

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

The Village of Wadsworth is committed to performing activities and services related to the Public Participation/Involvement minimum control measure under BMP numbers B.3, B.4 and B.7. The status or progress for each of the measurable goals related to these BMPs is presented 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 Wadsworth, the Village will publicize stakeholder meetings locally and participate by being represented at the stakeholder meetings.

*Measurable Goals: Continue to publicize and participate in relevant watershed planning committees and other stakeholder groups. Review and Revise draft SWMP language related to this provision by the end of Year 13.*

**The Village of Wadsworth intends to adopt and implement a SWMP with text concerning this provision by the end of Year 13.**

### **B.4 Public Hearing**

The Village of Wadsworth will conduct a public meeting or public hearing on its proposed storm water management plan.

*Measurable Goals: Present summary of ongoing program implementation at least once annually at public meeting. Review and Revise draft SWMP language related to this provision by the end of Year 13.*

**The Village of Wadsworth intends to adopt and implement a SWMP with text concerning this provision by the end of Year 13.**

### **B.7 Other Public Involvement**

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

*Measurable Goals:* Present summary of ongoing program implementation at least once annually at public meeting. Review and Revise draft SWMP language related to this provision by the end of Year 13.

**The Village of Wadsworth intends to adopt and implement a SWMP with text concerning this provision by the end of Year 13.**

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

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

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

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

#### **C.1 Storm Sewer Map Preparation**

The Village of Wadsworth has prepared an outfall map to allow for tracking of dry weather flow inspections and outfall maintenance.

*Measurable Goals:* Update map regularly with additional data and as improvements or new developments occur. Review and Revise draft SWMP language related to this provision by the end of Year 13.

**The Village of Wadsworth intends to adopt and implement a SWMP with text concerning this provision by the end of Year 13.**

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

The Village of Wadsworth will review, consider and adopt ordinance language to prohibit non-storm water discharges to the storm sewer or drainage system and to provide an enforcement mechanism for the illicit discharge detection and elimination program.

*Measurable Goals:* Assist Lake County in ensuring that all applicable developments are in compliance with the WDO. Review and Revise draft SWMP language related to this provision by the end of Year 13.

**The Village of Wadsworth intends to adopt and implement a SWMP with text concerning this provision by the end of Year 13.**

### **C.3 Detection/Elimination Prioritization Plan**

Detection methods include dry-weather screening, regular storm sewer maintenance, and public reporting. Outfalls observed to have dry weather flow during pre-screening to be investigated. Complete dry weather screening of all outfalls on a rotating basis with each outfall being inspected at least once every 5 years.

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO. Review and Revise draft SWMP language related to this provision by the end of Year 13.*

**The Village of Wadsworth intends to adopt and implement a SWMP with text concerning this provision by the end of Year 13.**

### **C.4 Illicit Discharge Tracing Procedures**

Implement procedures to trace found/observed illicit discharges to their origin. Efforts to locate illicit discharges will be documented.

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO. Review and Revise draft SWMP language related to this provision by the end of Year 13.*

**The Village of Wadsworth intends to adopt and implement a SWMP with text concerning this provision by the end of Year 13.**

### **C.5 Illicit Source Removal Procedures**

The Village of Wadsworth will implement a program and train employees to remove potential and known sources of illicit discharges.

*Measurable Goals: Provide a convenient location where the general public can dispose of common household pollutants. Begin to develop municipal employee IDDE training program. Consider targeting employees in relevant positions that will perform activities such as illicit discharge tracing procedures, visual dry weather storm water outfall screening and illicit source removal. Create and distribute materials educating public about elements of IDDE program, such as illicit discharge/illegal dumping resident notification, IDDE ordinance and SWALCO waste collection events. Coordinate with SWALCO to market waste collection events to the public and to distribute IDDE-related information during the event. Conduct event and document participation. Review and Revise draft SWMP language related to this provision by the end of Year 13.*

**Residents are notified of these SWALCO events in the Village Newsletter and on the Village website. The Village of Wadsworth intends to adopt and implement a SWMP with text concerning this provision by the end of Year 13.**

#### **C.6 Program Evaluation and Assessment**

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

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO. Review and Revise draft SWMP language related to this provision by the end of Year 13.*

**The Village of Wadsworth intends to adopt and implement a SWMP with text concerning this provision by the end of Year 13.**

#### **C.7 Visual Dry Weather Screening**

The Village of Wadsworth conducts a dry weather screening to locate illicit discharges.

*Measurable Goals: Review a pilot dry weather screening. Continue to investigate citizen illicit discharge/illegal dumping reports in the field. Review and Revise draft SWMP language related to this provision by the end of Year 13.*

**The Village of Wadsworth intends to adopt and implement a SWMP with text concerning this provision by the end of Year 13.**

#### **C.9 Public Notification**

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

*Measurable Goals: Review and Revise draft SWMP language related to this provision by the end of Year 13.*

**The Village of Wadsworth intends to adopt and implement a SWMP with text concerning this provision by the end of Year 13.**

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

Lake County has adopted a Watershed Development Ordinance (WDO) that establishes the minimum storm water management requirements for development in Lake County. The WDO, which is enforced by SMC as establishes standards for construction site runoff control. The enforcement of the WDO implements BMPs under BMP numbers D.1, D.2, D.3, D.5 and D.6. The status or progress for each of the measurable goals related to these BMPs is presented below.

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

Wadsworth is a non-certified community with respect to the review and enforcement of the WDO. The regulatory program is enforced by the QLP.

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

**The Village of Wadsworth continues to assist Lake County in ensuring that all applicable developments are in compliance with the WDO.**

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

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

**The Village of Wadsworth continues to assist Lake County in ensuring that all applicable developments are in compliance with the WDO.**

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

Wadsworth is a non-certified community with respect to the review and enforcement of the WDO. The regulatory program is enforced by the QLP.

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

**The Village of Wadsworth continues to assist Lake County in ensuring that all applicable developments are in compliance with the WDO.**

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

Wadsworth is a non-certified community with respect to the review and enforcement of the WDO. The regulatory program is enforced by the QLP. However, public inquiries both covered and not covered under the WDO are also frequently handled by the Village.

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

**The Village of Wadsworth continues to assist Lake County in ensuring that all applicable developments are in compliance with the WDO.**

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

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

**The Village of Wadsworth continues to assist Lake County in ensuring that all applicable developments are in compliance with the WDO.**

## **E. Post-Construction Runoff Control**

As described above, the Lake County Watershed Development Ordinance (WDO) establishes the minimum storm water 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, in conjunction with other SMC activities and functions, implements BMPs under BMP numbers E.3, E.5, and E.6. The status or progress for each of the measurable goals related to these BMPs is presented below.

### **E.1 Community Control Strategy**

In addition to obtaining approval from the QLP for construction, developments must also comply with Village Ordinances and receive board approval. The Village has only supported residential communities with a density greater than or equal to 1-acre per home.

Additionally, the Village is primarily residential and therefore does not have commercial and industrial facilities significantly contributing to receiving streams.

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

**The Village of Wadsworth continues to assist Lake County in ensuring that all applicable developments are in compliance with the WDO.**

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

Wadsworth is a non-certified community with respect to the review and enforcement of the WDO. The regulatory program is enforced by the QLP. In addition to the QLP regulations developments must also comply with Village Ordinances.

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

**The Village of Wadsworth continues to assist Lake County in ensuring that all applicable developments are in compliance with the WDO.**

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

Wadsworth is a non-certified community with respect to the review and enforcement of the WDO. The regulatory program is enforced by the QLP. Under most circumstances new subdivision roads and stormwater conveyance systems become privately owned and operated.

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

**The Village of Wadsworth continues to assist Lake County in ensuring that all applicable developments are in compliance with the WDO.**

### **E.5 Site Inspections During Construction**

Wadsworth is a non-certified community with respect to the review, inspections and enforcement of the WDO. The regulatory program is enforced by the QLP. However, the Village accompanies SMC on-site inspections.

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

**The Village of Wadsworth continues to assist Lake County in ensuring that all applicable developments are in compliance with the WDO.**

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

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

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

**The Village of Wadsworth continues to assist Lake County in ensuring that all applicable developments are in compliance with the WDO.**

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

This minimum control measure involves the development and implementation of an operation and maintenance program to reduce the discharge of pollutants from municipal operations. This program must include a training program for municipal employees. The Village of Wadsworth is committed to perform activities for BMP numbers F.1, F.2, F.3, F.4 and F.6. The status or progress for each of the measurable goals related to these BMPs is presented below.

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

The Village of Wadsworth will develop a training program for employees. This program may be based on existing training programs that the Village currently conducts. Any new training will be developed based on guidance that is widely available. SMC, the QLP, will serve as a clearinghouse of these materials. The training program may be updated and expanded as the Village implements its storm water management.

*Measurable Goal(s): Conduct annual training for employees that will implement or utilize BMPs and or attend workshops provided by SMC. Review and Revise draft SWMP language related to this provision by the end of Year 12.*

**The Village of Wadsworth intends to adopt and implement a SWMP with text concerning this provision by the end of Year 13.**

## **F.2 Inspection and Maintenance Program**

The Village of Wadsworth will examine and subsequently alter their own actions to help ensure a reduction in 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.

*Measurable Goals: Establish a schedule for street sweeping to reduce the amount of pollution (sand, salt, leaves, etc) that accumulates on streets, which has the potential to reach waterways as runoff. Implement street sweeping at established annual frequency and document. Establish a schedule for visual storm sewer inspection. Inspect storm sewers at established annual frequency and document. Schedule maintenance as needed. Continue to distribute educational materials on spill prevention and control procedures to all municipal facilities. Review and Revise draft SWMP language related to this provision by the end of Year 12.*

**The Village of Wadsworth intends to adopt and implement a SWMP with text concerning this provision by the end of Year 12.**

## **F.3 Municipal Operations Storm Water Control**

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

*Measurable Goals: Review and Revise draft SWMP language related to this provision by the end of Year 12.*

**The Village of Wadsworth intends to adopt and implement a SWMP with text concerning this provision by the end of Year 12.**

## **F.4 Municipal Operations Waste Disposal**

The program completed during the original NOI helps ensure a reduction in the amount and type of pollution that results from the 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 Goals: Review and Revise draft SWMP language related to this provision by the end of Year 12.*

**The Village of Wadsworth intends to adopt and implement a SWMP with text concerning this provision by the end of Year 12.**

### **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.

The MS4 collected water quality sampling data during Year 12, as described below, and reviewed the data to determine whether or not it provides any evidence of reduced pollutant loads or improved water quality. The data collected from the 1 testing site shows that the concentrations of ammonia and total suspended solids were above the accepted Water Quality Standards. *Investigation into the possible cause of this increase is planned for Year 13.* All other parameters had concentrations within the accepted limits. These findings may be attributable to the MS4's stormwater management activities and indicate that the MS4's BMPs and stormwater management program are appropriate.

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

### Annual Monitoring and Data Collection, Year 12

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

Water quality sampling was conducted within the receiving waters, both upstream and downstream of the MS4's stormwater discharges. *One location* is included in the MS4's annual monitoring program. At this location, the physical characteristics of the sampling point were observed and water quality samples (i.e., grab samples) were collected. Collected water quality samples were tested for:

- Ammonia
- Chloride
- Fluoride
- Biochemical Oxygen Demand (BOD)
- Phenolics
- Total Suspended Solids (TSS)
- Total Kjeldahl Nitrogen (TKN)
- Total Phosphorus
- Potassium
- Temperature
- pH

The Village has plans to expand the water quality monitoring in Year 13 by adding several new sampling locations. This will allow the Village to have both upstream and downstream samples to compare.

### IDDE Monitoring and Data Collection, Year 12

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

A total of 7 stormwater outfalls, 2 of which had dry weather flows, were investigated during Year 12. No potential illicit discharges were identified at any of these locations.

Due to new developments in the Village, the Village will add additional (new) outfalls to the inventory 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 stormwater management activities that the MS4 will perform during Year 13 is provided in the section following the table.

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

Year 13	
MS4	
<b>A. Public Education and Outreach</b>	
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
X	A.6 Other Public Education
<b>B. Public Participation/Involvement</b>	
	B.1 Public Panel
	B.2 Educational Volunteer
X	B.3 Stakeholder Meeting
X	B.4 Public Hearing
	B.5 Volunteer Monitoring
	B.6 Program Coordination
X	B.7 Other Public Involvement
<b>C. Illicit Discharge Detection and Elimination</b>	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
X	C.3 Detection/Elimination Prioritization Plan
X	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
X	C.6 Program Evaluation and Assessment
X	C.7 Visual Dry Weather Screening
X	C.8 Pollutant Field Testing
X	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 13	
MS4	
<b>D. Construction Site Runoff Control</b>	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
X	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
X	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
<b>E. Post-Construction Runoff Control</b>	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
X	E.4 Pre-Const Review of BMP Designs
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
X	E.7 Other Post-Const Runoff Controls
<b>F. Pollution Prevention/Good Housekeeping</b>	
X	F.1 Employee Training Program
X	F.2 Inspection and Maintenance Program
X	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
	F.5 Flood Management/Assess Guidelines
X	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, but has been administratively continued by IEPA. Since the new version of the Permit has not yet been released to the public, and there is not yet a timeline for its release, the MS4 assumes that the most recent version of the Permit will continue to apply through the at least the end of Year 13. The MS4 remains committed to performing activities related to the six MCMs described in the most recent version of the Permit.

During Year 13, the MS4 plans to continue to perform a variety of stormwater management activities, as described in detail in the MS4's draft SWMP and in brief below.

The MS4 will continue to use tracking forms to track the implementation of the BMPs described in its SMPP.

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

The Village of Wadsworth is committed to conduct Public Education and Outreach as part of its permit. Public Education and Outreach requires implementation of a program to distribute educational material to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to storm water runoff. The Village of Wadsworth is committed to implementation of BMPs related to A.1, A.4 and A.6. The status or progress for 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 storm water management in Lake County. A number of pamphlets and brochures related to BMP's and storm water management have been produced.

*Measurable Goals: Provide available information on BMP's to homeowners associations known to have BMP's in place. Review and Revise draft Storm Water Management Program (SWMP) language related to this provision by the end of Year 13.*

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

The Village 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 publicizes these SWALCO events.

*Measurable Goal(s): Review and Revise draft SWMP language related to this provision by the end of Year 13.*

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

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

*Measurable Goal(s): Review and Revise draft SWMP language related to this provision by the end of Year 13.*

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

The Village of Wadsworth is committed to performing activities and services related to the Public Participation/Involvement minimum control measure under BMP numbers B.3, B.4 and B.7. The status or progress for each of the measurable goals related to these BMPs is presented 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 Wadsworth, the Village will publicize stakeholder meetings locally and participate by being represented at the stakeholder meetings.

*Measurable Goals: Continue to publicize and participate in relevant watershed planning committees and other stakeholder groups. Review and Revise draft SWMP language related to this provision by the end of Year 13.*

### **B.4 Public Hearing**

The Village of Wadsworth will conduct a public meeting or public hearing on its proposed storm water management plan.

*Measurable Goals: Present summary of ongoing program implementation at least once annually at public meeting. Review and Revise draft SWMP language related to this provision by the end of Year 13.*

### **B.7 Other Public Involvement**

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

*Measurable Goals: Present summary of ongoing program implementation at least once annually at public meeting. Review and Revise draft SWMP language related to this provision by the end of Year 13.*

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

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

- Develop a storm sewer system map that shows the locations of all outfalls and the names and locations of all water of the US that receive discharges from those outfalls.
- Prohibit non-storm water discharges into the storm sewer system and implement appropriate enforcement procedures and actions.

- Develop and implement a plan to detect and address illicit discharges into the storm sewer system.
- Educate public employees, businesses and general public of hazards associated with illegal discharges and improper disposal of waste.
- Identify the appropriate best management practices and measurable goals.

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

### **C.1 Storm Sewer Map Preparation**

The Village of Wadsworth will prepare an outfall map to allow for tracking of dry weather flow inspections and outfall maintenance.

*Measurable Goals: Update map regularly with additional data and as improvements or new developments occur. Review and Revise draft SWMP language related to this provision by the end of Year 13.*

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

The Village of Wadsworth will review, consider and adopt ordinance language to prohibit non-storm water discharges to the storm sewer or drainage system and to provide an enforcement mechanism for the illicit discharge detection and elimination program.

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO. Review and Revise draft SWMP language related to this provision by the end of Year 13.*

### **C.3 Detection/Elimination Prioritization Plan**

Detection methods include dry-weather screening, regular storm sewer maintenance, and public reporting. Outfalls observed to have dry weather flow during pre-screening to be investigated. Complete dry weather screening of all outfalls on a rotating basis with each outfall being inspected at least once every 5 years.

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO. Review and Revise draft SWMP language related to this provision by the end of Year 13.*

### **C.4 Illicit Discharge Tracing Procedures**

Implement procedures to trace found/observed illicit discharges to their origin. Efforts to locate illicit discharges will be documented.

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO. Review and Revise draft SWMP language related to this provision by the end of Year 13.*

### **C.5 Illicit Source Removal Procedures**

The Village of Wadsworth will implement a program and train employees to remove potential and known sources of illicit discharges.

*Measurable Goals: Provide a convenient location where the general public can dispose of common household pollutants. Begin to develop municipal employee IDDE training program. Consider targeting employees in relevant positions that will perform activities such as illicit discharge tracing procedures, visual dry weather storm water outfall screening and illicit source removal. Create and distribute materials educating public about elements of IDDE program, such as illicit discharge/illegal dumping resident notification, IDDE ordinance and SWALCO waste collection events. Coordinate with SWALCO to market waste collection events to the public and to distribute IDDE-related information during the event. Conduct event and document participation. Review and Revise draft SWMP language related to this provision by the end of Year 13.*

### **C.6 Program Evaluation and Assessment**

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

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO. Review and Revise draft SWMP language related to this provision by the end of Year 13.*

### **C.7 Visual Dry Weather Screening**

The Village of Wadsworth will conduct dry weather screening to locate illicit discharges.

*Measurable Goals: Continue dry weather screening. Continue to investigate citizen illicit discharge/illegal dumping reports in the field. Review and Revise draft SWMP language related to this provision by the end of Year 13.*

### **C.9 Public Notification**

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

*Measurable Goals: Review and Revise draft SWMP language related to this provision by the end of Year 13.*

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

Lake County has adopted a Watershed Development Ordinance (WDO) that establishes the minimum storm water management requirements for development in Lake County. The WDO, which is enforced by SMC as establishes standards for construction site runoff control. The enforcement of the WDO implements BMPs under BMP numbers D.1, D.2, D.3, D.5 and D.6. The status or progress for each of the measurable goals related to these

BMPs is presented below.

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

Wadsworth is a non-certified community with respect to the review and enforcement of the WDO. The regulatory program is enforced by the QLP.

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

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

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

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

Wadsworth is a non-certified community with respect to the review and enforcement of the WDO. The regulatory program is enforced by the QLP.

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

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

Wadsworth is a non-certified community with respect to the review and enforcement of the WDO. The regulatory program is enforced by the QLP. However, public inquiries both covered and not covered under the WDO are also frequently handled by the Village.

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

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

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

## **E. Post-Construction Runoff Control**

As described above, the Lake County Watershed Development Ordinance (WDO) establishes the minimum storm water 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, in conjunction with other SMC activities and functions, implements BMPs under BMP numbers E.3, E.5, and E.6. The status or progress for each of the measurable goals related to these BMPs is presented below.

### **E.1 Community Control Strategy**

In addition to obtaining approval from the QLP for construction developments must also comply with Village Ordinances and receive board approval. The Village has only supported

residential communities with a density greater than or equal to 1-acre per home. Additionally, the Village is primarily residential and therefore does not have commercial and industrial facilities significantly contributing to receiving streams.

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

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

Wadsworth is a non-certified community with respect to the review and enforcement of the WDO. The regulatory program is enforced by the QLP. In addition to the QLP regulations developments must also comply with Village Ordinances.

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

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

Wadsworth is a non-certified community with respect to the review and enforcement of the WDO. The regulatory program is enforced by the QLP. Under most circumstances new subdivision roads and stormwater conveyance systems become privately owned and operated.

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

## **E.5 Site Inspections During Construction**

Wadsworth is a non-certified community with respect to the review, inspections and enforcement of the WDO. The regulatory program is enforced by the QLP. However, the Village accompanies SMC on-site inspections.

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

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

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

*Measurable Goals: Assist Lake County in ensuring that all applicable developments are in compliance with the WDO.*

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

This minimum control measure involves the development and implementation of an operation and maintenance program to reduce the discharge of pollutants from municipal operations. This program must include a training program for municipal employees. The Village of Wadsworth is committed to perform activities for BMP numbers F.1, F.2, F.3, F.4 and F.6. The status or progress for each of the measurable goals related to these BMPs is

presented below.

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

The Village of Wadsworth will develop a training program for employees. This program may be based on existing training programs that the Village currently conducts. Any new training will be developed based on guidance that is widely available. SMC, the QLP, will serve as a clearinghouse of these materials. The training program may be updated and expanded as the Village implements its storm water management.

*Measurable Goal(s): Conduct annual training for employees that will implement or utilize BMPs and or attend workshops provided by SMC. Review and Revise draft SWMP language related to this provision by the end of Year 13.*

### **F.2 Inspection and Maintenance Program**

The Village of Wadsworth will examine and subsequently alter their own actions to help ensure a reduction in 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.

*Measurable Goals: Establish a schedule for street sweeping to reduce the amount of pollution (sand, salt, leaves, etc) that accumulates on streets, which has the potential to reach waterways as runoff. Implement street sweeping at established annual frequency and document. Establish a schedule for visual storm sewer inspection. Inspect storm sewers at established annual frequency and document. Schedule maintenance as needed. Continue to distribute educational materials on spill prevention and control procedures to all municipal facilities. Review and Revise draft SWMP language related to this provision by the end of Year 13.*

### **F.3 Municipal Operations Storm Water Control**

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

*Measurable Goals: Review and Revise draft SWMP language related to this provision by the end of Year 13.*

### **F.4 Municipal Operations Waste Disposal**

The program completed during the original NOI helps ensure a reduction in the amount and type of pollution that results from the 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 Goals: Review and Revise draft SWMP language related to this provision by the end of Year 13.*

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

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

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

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

- **Part E1** identifies changes to Best Management Practices (BMPs) that occurred during Year 12 and includes information about how these changes affected the QLP's stormwater management program.
- **Part E2** describes the stormwater management activities that the QLP performed during Year 12.
- **Part E3** summarizes the information and data collected by the QLP during Year 12.
- **Part E4** describes the stormwater management activities that the QLP plans to undertake during Year 13.
- **Part E5** lists the construction projects conducted by the QLP during Year 12.

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

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

Year 12	
QLP	
<b>A. Public Education and Outreach</b>	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
X	A.3 Public Service Announcement
X	A.4 Community Event
X	A.5 Classroom Education Material
X	A.6 Other Public Education
<b>B. Public Participation/Involvement</b>	
X	B.1 Public Panel
	B.2 Educational Volunteer
X	B.3 Stakeholder Meeting
	B.4 Public Hearing
	B.5 Volunteer Monitoring
X	B.6 Program Coordination
	B.7 Other Public Involvement
<b>C. Illicit Discharge Detection and Elimination</b>	
	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
	C.3 Detection/Elimination Prioritization Plan
	C.4 Illicit Discharge Tracing Procedures
	C.5 Illicit Source Removal Procedures
	C.6 Program Evaluation and Assessment
	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
	C.9 Public Notification
X	C.10 Other Illicit Discharge Controls

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

## **Part E2. QLP Status of Compliance with Permit Conditions, Year 12**

The Lake County Stormwater Management Commission (SMC) serves as a Qualifying Local Program (QLP) for MS4s in Lake County. In accordance with IEPA's NPDES General Permit No. ILR40, as a QLP, SMC performs activities related to each of the six minimum control measures. The stormwater management activities that the QLP performed during Year 12 are described below.

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

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

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

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

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

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

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

**SMC includes announcements highlighting community accomplishments related to IEPA's NPDES Stormwater Program on its website, in its newsletter, and through other media outlets.**

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

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

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

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

**SMC sponsored or co-sponsored a number of workshops and events on stormwater-related topics between March 1, 2014 and February 28, 2015, including:**

- **Webcast on The Life of a Stormwater Practice: The Role of Local Codes on Mar. 12, 2014**
- **Presentation from IEPA on IEPA's Proposed New General NPDES Permit No. ILR40 at Mar. 19, 2014 MAC meeting**
- **Presentation on Des Plaines River Watershed Workgroup at Mar. 19, 2014 MAC meeting**
- **Designated Erosion Control Inspector (DECI) Workshop held on Mar. 28, 2014**
- **Webcast on The Life of a Stormwater Practice: Design and Construction of BMPs on Apr. 9, 2014**
- **Homeowners Association (HOA) Stormwater Maintenance Workshop held on Apr. 16, 2014**
- **Fox River/Chain O'Lakes river clean-up in Fox Lake, Port Barrington & Antioch, IL May 3, 2014**
- **Chicago River Day clean-up in Highland Park, Lake Forest & Deerfield, IL on May 9, 2014**
- **Rain Barrel, Compost Bin, and Native Plant Sale held on May 9, 2014**
- **Webcast on The Life of a Stormwater Practice: BMP Maintenance on May 21, 2014**
- **Presentation on Fox River Study Group's Fox River Implementation Plan at Jun. 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.5 Classroom Education**

*Measurable Goal(s): Develop and compile information for stormwater educational kit for distribution upon request.*

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

**Stormwater educational materials were compiled for use at several public education events that were held between March 1, 2014 and February 28, 2015, including:**

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

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

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

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

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

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

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

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

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

*Track number of meetings conducted.*

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

**SMC tracked the number of Stormwater Management Committee Board (SMC) meetings, Technical Advisory Committee (TAC) meetings, Municipal Advisory Committee (MAC), and Watershed Management Board (WMB) meetings conducted during Year 12. According to records, there were 9 SMC meetings, 2**

**TAC meetings, 4 MAC meetings, and 1 WMB meeting conducted during this reporting period.**

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

*Measurable Goal(s): Provide notice of stakeholder meetings on SMC website.  
Track number of watershed planning committee meetings conducted.  
Establish watershed planning committees for each new watershed planning effort.*

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

**SMC tracked the number of stakeholder meetings conducted for the various watershed planning committees during the reporting period. The list below summarizes the watershed planning committee meetings that were conducted during Year 12:**

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

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

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

*Measurable Goal(s): Track number of MAC meetings conducted during Year 12.  
Prepare annual report on Qualifying Local Program activities at end of Year 12.*

**SMC tracked the number of Municipal Advisory Committee (MAC) meetings conducted during Year 12. According to records, there were 4 MAC meetings conducted during this reporting period.**

**The stormwater management activities that SMC performed as a QLP during Year 12 are described in the Annual Facility Inspection Report (i.e., Annual Report) template provided to Lake County MS4s. The stormwater management activities that SMC plans to perform as a QLP during Year 13 are described in Part E4 of the Annual Report template.**

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

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

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

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

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

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

**SMC sponsored or co-sponsored a number of workshops and events on stormwater-related topics between March 1, 2014 and February 28, 2015. Such workshops and events are described above.**

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

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

*Measurable Goal(s): Continue to enforce the countywide WDO.  
Administer the Designated Erosion Control Inspector (DECI) program outlined by the WDO.*

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

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

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

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

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

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

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

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

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

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

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

**SMC continues to track the number of enforcement officers (EOs) who have passed the EO exam and have become EOs. According to records, as of the end of Year 12, there were 67 EOs in Lake County.**

**SMC last completed a cycle of the community re-certification process, which included a performance review of all 53 certified and non-certified communities, during a previous reporting period (i.e., Year 9). In accordance with the amended countywide WDO, the next cycle of the community re-certification process is scheduled to be completed in 2017.**

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

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

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

**SMC continues to track the number of complaints received and processed related to soil erosion and sediment control. According to records, between March 1, 2014 and February 28, 2015, 4 SE/SC complaints were received and processed by SMC staff.**

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

*Measurable Goal(s): Track number of site inspections conducted by SMC.*

**SMC continues to track the number of site inspections conducted by SMC staff. According to records, between March 1, 2014 and February 28, 2015, 655 site inspections were conducted by SMC staff.**

### **E. Post-Construction Runoff Control**

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

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

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

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

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

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

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

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

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

#### **E.5 Site Inspections During Construction**

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

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

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

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

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

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

*Measurable Goal(s): Conduct annual WMB meeting.*

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

**The annual WMB meeting was held on Dec. 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.

## Lake Michigan

Lake Michigan is monitored by the Illinois EPA through the Lake Michigan Monitoring Program. Bordering Cook and Lake Counties, the State of Illinois has jurisdiction over approximately 1,526 square miles of open water, 2.62 square miles of harbors, and 64 shoreline miles of Lake Michigan.

196 square miles of open water of Lake Michigan, or about thirteen percent of the total open water located within Illinois, were assessed for the Illinois EPA's 2014 Illinois Integrated Water Quality Report and Section 303(d) List, and all 196 assessed square miles were rated as Fully Supporting for the following uses: aquatic life use, primary contact use, secondary contact use, and public and food processing water supply use. However, fish consumption use in all 196 assessed square miles of open water was rated as Not Supporting due to contamination from polychlorinated biphenyls (PCBs) and mercury. Additionally, aesthetic quality use in all 196 assessed square miles of open water was rated as Not Supporting due to exceedances of the Lake Michigan open water standard for total phosphorus. It should be noted that such exceedances do not necessarily indicate that there are offensive conditions in Lake Michigan due to excessive algal or aquatic plant growth.

A portion of all 2.62 square miles of harbors of Lake Michigan located in Illinois were assessed for the Illinois EPA's 2014 Illinois Integrated Water Quality Report and Section 303(d) List for several different designated uses. 66.7 percent of the square miles of harbors assessed for aesthetic quality (i.e., 0.12 of 0.18 sq. mi.) were rated as Fully Supporting, while the remaining 33.3 percent (i.e., 0.06 of 0.18 sq. mi.) were rated as Not Supporting. 97.6 percent of the square miles of harbors assessed for aquatic life use (i.e., 2.52 of 2.58 sq. mi.) were rated as Fully Supporting, while the remaining 2.4 percent (i.e., 0.06 of 2.58 sq. mi.) were rated as Not Supporting. 100 percent of the square miles of bays and harbors assessed for fish consumption (i.e., 2.62 of 2.62 sq. mi.), were rated as Not Supporting. Potential causes of impairment in the harbors of Lake Michigan located in Illinois include contamination from polychlorinated biphenyls (PCBs), mercury, bottom deposits, lead, zinc, cadmium, arsenic, phosphorus, copper, and chromium.

A portion of all 64 shoreline miles of Lake Michigan located in Illinois were assessed for the Illinois EPA's 2014 Illinois Integrated Water Quality Report and Section 303(d) List for several different designated uses. All 64 of the shoreline miles assessed for fish consumption and primary contact use were rated as Not Supporting due to bacterial contamination from *Escherichia coli* (*E. coli*) bacteria and contamination from polychlorinated biphenyls (PCBs) and mercury.

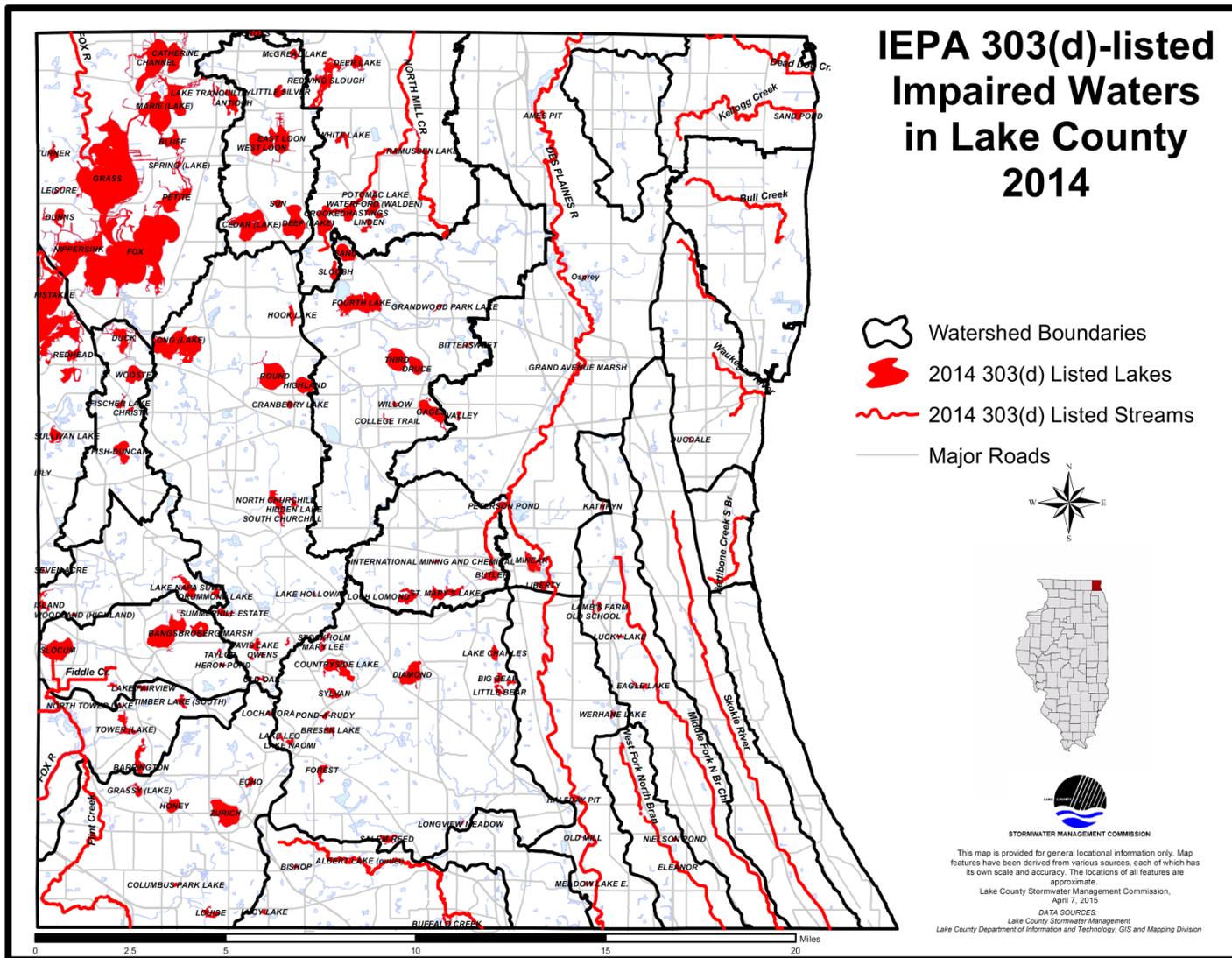


Figure E3.1

## Part E4. QLP Summary of Year 13 Stormwater Activities

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

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

Year 13	
QLP	
<b>A. Public Education and Outreach</b>	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
X	A.3 Public Service Announcement
X	A.4 Community Event
X	A.5 Classroom Education Material
X	A.6 Other Public Education
<b>B. Public Participation/Involvement</b>	
X	B.1 Public Panel
	B.2 Educational Volunteer
X	B.3 Stakeholder Meeting
	B.4 Public Hearing
	B.5 Volunteer Monitoring
X	B.6 Program Coordination
	B.7 Other Public Involvement
<b>C. Illicit Discharge Detection and Elimination</b>	
	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
	C.3 Detection/Elimination Prioritization Plan
	C.4 Illicit Discharge Tracing Procedures
	C.5 Illicit Source Removal Procedures
	C.6 Program Evaluation and Assessment
	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
	C.9 Public Notification
X	C.10 Other Illicit Discharge Controls

Year 13	
QLP	
<b>D. Construction Site Runoff Control</b>	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
X	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
X	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
<b>E. Post-Construction Runoff Control</b>	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
X	E.4 Pre-Const Review of BMP Designs
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
X	E.7 Other Post-Const Runoff Controls
<b>F. Pollution Prevention/Good Housekeeping</b>	
X	F.1 Employee Training Program
	F.2 Inspection and Maintenance Program
	F.3 Municipal Operations Storm Water Control
	F.4 Municipal Operations Waste Disposal
X	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

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

During Year 13, SMC plans to continue to perform a variety of stormwater management activities, as described in more detail below. In addition to the stormwater management activities described below, SMC will continue to provide general support to Lake County MS4s as they continue to implement their stormwater management programs.

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

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

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

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

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

##### **A.2 Speaking Engagement**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

*Measurable Goal(s): Provide notice of stakeholder meetings on SMC website.  
Track number of watershed committee meetings conducted.  
Establish watershed planning committees for each new watershed planning effort.*

### **B.4 Public Hearing**

SMC coordinates and conducts public meetings as well as committee meetings that are open to the public. A monthly Stormwater Management Commission meeting is open to the public and involves the SMC Board of Commissioners, which includes six municipal representatives and six county board members.

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

The Municipal Advisory Committee (MAC) is made up of municipal, township, drainage district, consulting firm, and county representatives. MAC has worked to discuss, coordinate, and collaborate on the implementation of IEPA's NPDES Stormwater Program. MAC will continue to meet quarterly or as needed to assist Lake County MS4s with the implementation of IEPA's Stormwater Program.

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

*Measurable Goal(s): Provide notice of public meetings on SMC website.  
Track number of meetings conducted.*

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

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

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

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

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

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

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

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

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

SMC regularly sponsors and co-sponsors educational and technical training workshops on a variety of stormwater management-related topics. Each year, SMC will sponsor or co-sponsor an illicit discharge detection and elimination workshop or other training workshop related to IEPA's NPDES Stormwater Program and track the number of attendees that attend the workshop.

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

*Measurable Goal(s): Sponsor or co-sponsor and track the number of attendees at an Illicit Discharge Detection and Elimination workshop or other training workshop related to IEPA's NPDES Stormwater Program. Distribute informational materials about the hazards of illicit discharges and illegal dumping from "take away" rack at SMC and SMC website.*

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

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

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

The WDO is the regulatory mechanism that requires the use of soil erosion and sediment controls on development sites throughout Lake County. The soil erosion and sediment control provisions of the WDO are included in Article IV, Section B.1.j. of the ordinance. At a minimum, these standards apply to any development project that hydrologically disturbs 5,000 square feet of land or more.

SMC has also created a Designated Erosion Control Inspector (DECI) program. The purpose of the program is to facilitate positive communication between the permit issuing agency, whether such agency be SMC or a certified community, and the permit holder, by creating a single point of contact for the discussion and resolution of site soil erosion and sediment control issues and concerns. Furthermore, the program is intended to improve site conditions, minimize environmental impacts, and educate contractors, developers, and inspectors about the use of soil erosion and sediment control BMPs. It is worth noting that the DECI program was designed to closely mirror the inspection requirements of IEPA's General NPDES Permit No. ILR10.

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

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

Article IV, Section B.1.j of the WDO specifies the soil erosion and sediment control measures that must be used in conjunction with any land disturbing activities conducted on a

development site. It specifies the use of a variety of soil erosion and sediment control BMPs, including: minimize soil disturbance; protect adjoining properties from erosion and sedimentation; complete installation of soil erosion and sediment control features prior to commencement of hydrologic disturbance; stabilize disturbed areas within 7 days of active disturbance; avoid disturbance of streams whenever possible; use controls that are appropriate for the size of the tributary drainage area; protect functioning storm sewers from sediment; prevent sediment from being tracked onto adjoining streets; limit earthen embankments to slopes of 3H:1V; identify soil stockpile areas; and, utilize statewide standards and specifications as guidance for soil erosion and sediment control.

SMC has also prepared a Technical Reference Manual (TRM) to accompany the WDO. The TRM is used to guide the creation of development plans that are in compliance with the provisions of the WDO and provides detailed information on the use of soil erosion and sediment control BMPs. It is currently being updated by the Technical Advisory Committee (TAC).

*Measurable Goal(s): Continue to administer and enforce the WDO.  
Continue to work on updates to the Technical Reference Manual (TRM) and toward publication of the updated document.*

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

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

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

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

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

SMC has also prepared a Technical Reference Manual (TRM) to accompany the WDO. The TRM is used to guide the creation of development plans that are in compliance with the provisions of the WDO and provides additional guidance on the administration and

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

*Measurable Goal(s): Administer the Enforcement Officer (EO) program outlined by the WDO.  
Maintain an up-to-date list identifying each community's designated enforcement officer.  
Periodically review each community's WDO administration and enforcement records.  
Continue to work on updates to the Technical Reference Manual (TRM) and toward publication of the updated document.*

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

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

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

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

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

Article VII of the WDO specifies the legal actions that may be taken and the penalties that may be imposed if the provisions of the WDO are violated. If development activities on a development site are not in compliance with the requirements of the WDO, the enforcement officer may issue a stop work order on all development activity on the development site or on the development activities that are in direct violation of the WDO. In addition, failure to

comply with any of the requirements of the WDO constitutes a violation of the WDO, and any person convicted of violating the WDO may be fined.

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

## **E. Post-Construction Runoff Control**

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

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

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

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

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

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

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

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

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

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

### **E.5 Site Inspections During Construction**

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

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

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

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

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

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

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

*Measurable Goal(s): Conduct annual WMB meeting.  
Contribute funding to flood damage reduction and water quality improvement projects through the WMB.*

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

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

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

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

*Measurable Goal(s): Maintain a list of known employee training resources and opportunities.  
Make available the Excal Visual Storm Watch: Municipal Storm Water Pollution Prevention software-based employee training program.  
Sponsor or co-sponsor a training workshop related to pollution prevention/good housekeeping or other training workshop related to IEPA's NPDES Stormwater Program.*

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

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

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





# **Appendix**

Tracking Items: 2014 – 2015

Water Quality Results & Graphs

Outfall Summary



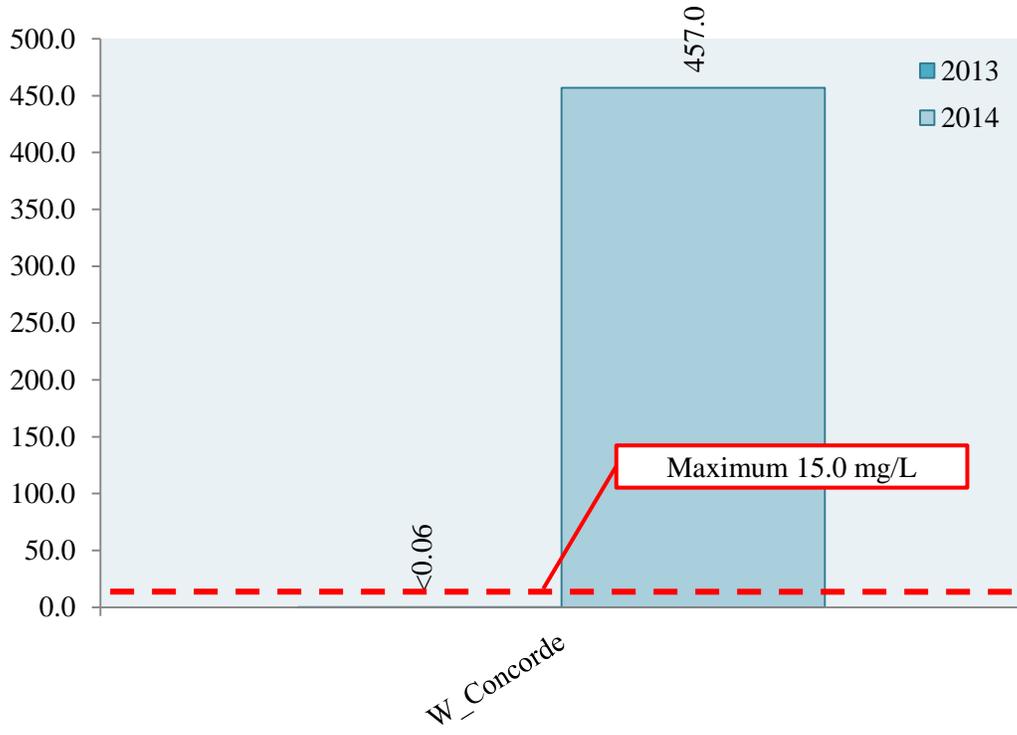
## 2014 – 2015 Tracking

1. Village participated in SMC's Mill Creek Watershed Planning Group in efforts to create a Watershed Plan for the Mill Creek Watershed. Mill Creek Watershed starts in Fremont Township and heads north and drains into the Des Plaines River (in the Village of Wadsworth). Village also participates in Des Plaines River Watershed Planning.
2. In 2015, Village now street sweeps its 13.5 miles of curb 4 times per year.
3. Created spillway on west side of Chicago Avenue to eliminate road erosion in future during heavy rainfall events.
4. Burned park pond in April of 2014 in order to rid pond of invasive vegetation. Another burn of said pond may be necessary in the Spring of 2016.
5. Took down all of our ash trees in Wadsworth Park and replaced them with new non-ash trees;
6. Re-paved Chicago Avenue (2014) and provided drainage improvements including ditching and drain tile replacement under the roadway.
7. Delany Road triple cross culvert ditching (silt removal) project planned for 2016, when the adjacent 9<sup>th</sup> street gets paved.
8. Silt/cattail removal in a ditch at the end (west) of Jody this year. Have designed an improvement to install storm sewer in this area, as it is the downstream end of the drainage way for Jody.
9. The Village continues to work with SMC and consult with them regarding various matters around Village when projects exceed 5,000 square feet of disturbance or when projects have the potential with impacting natural resources (flood plains or wetlands).
10. Village participates at Des Plaines River Watershed Workgroup – has not yet decided if it will be a dues paying member. Village will join if the removal of phosphorous is a key component to plan and a plan is put in place to remove carp out of river.
11. There are two individuals looking at creating wetland banks in town. These are in the concept stages.
12. In 2015, drainage work is being done along Arbor Court and Foxglove Lane in an effort to eliminate the icing of these roadways during the winter months.
13. The above does not include work done by the County related to the Downtown Wadsworth Road improvements or Delany Road improvements.

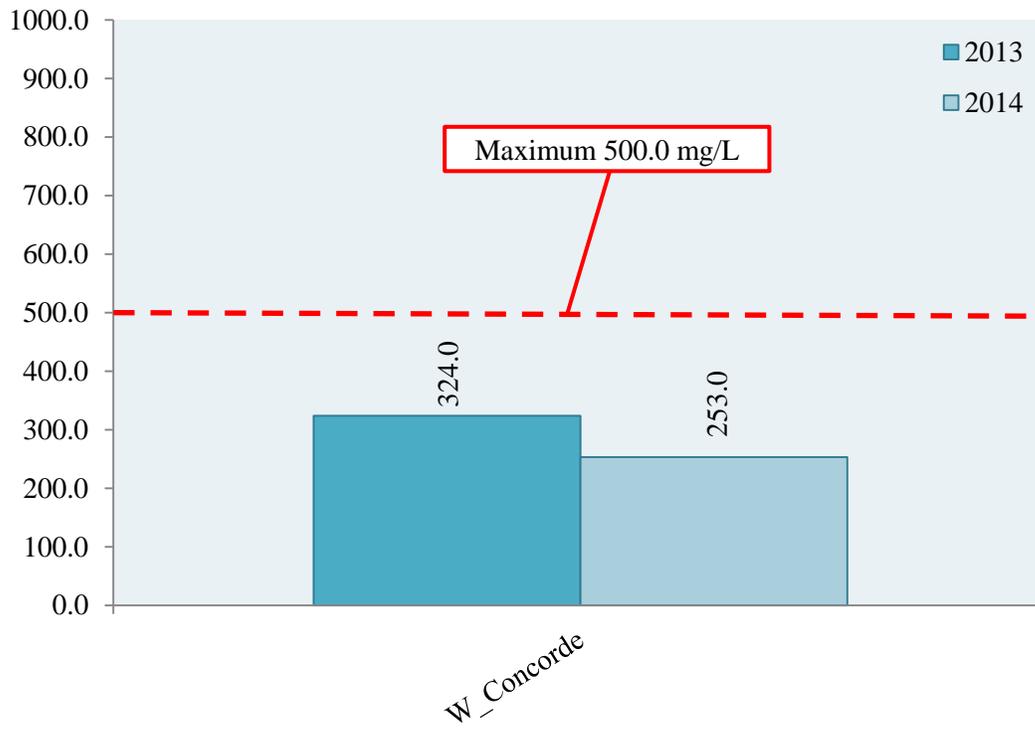
Village of Wadsworth Water Quality Report 2014

	Illinois Water Pollution Control Board WQS*	IPCB Standards or Accepted Limits in mg/L	W_Concorde
Date Tested: 11/25/14			
Ammonia	302.212	15	457.0
Chloride	302.304	500	253.0
Fluoride	302.407	1.4	<0.5
BOD	304 Effluent Standards	<8	4.0
Phenolics	302.407	0.1	<0.01
Phosphorous, Total	302.205	0.05	<0.05
Total Suspended Solids	304 Effluent Standards	15-30	38.0
Total Kjeldahl Nitrogen	Standard Methods for the Examination of Water and Wastewater	<20	<2.45
Potassium	none	20	4.2
Date Tested			
Temperature °F	302.211	Dec - Mar 60° F Max Apr - Nov 90° F Max	36.9
pH	302.304	6.5 - 9.0	6.7

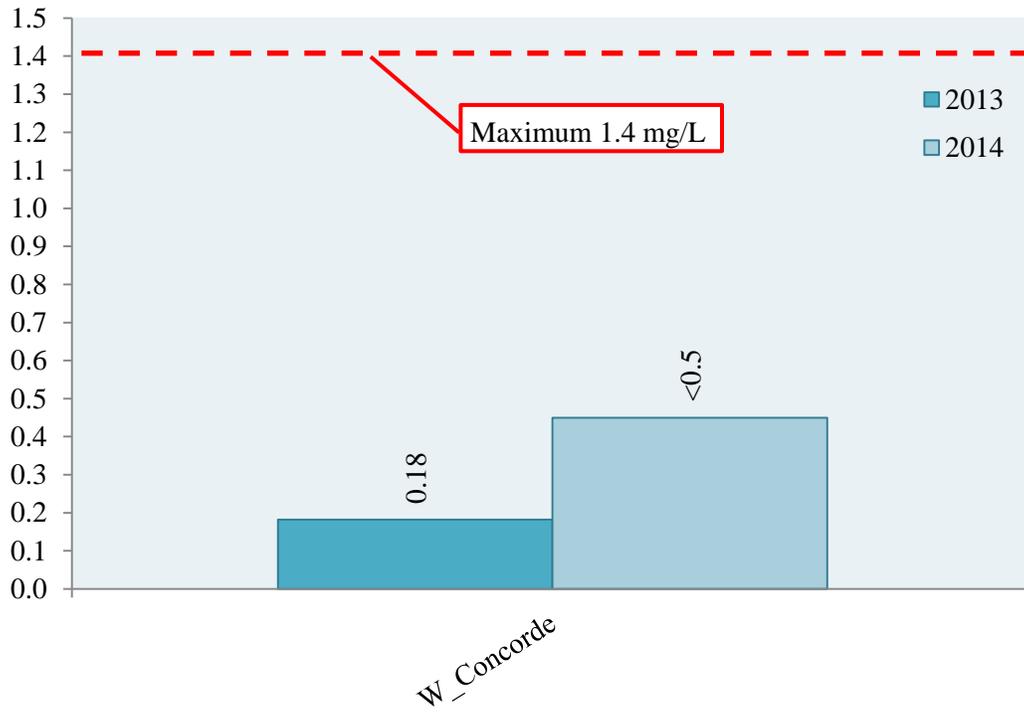
\*Title 35 Part 302 Water Quality Standards unless otherwise noted.



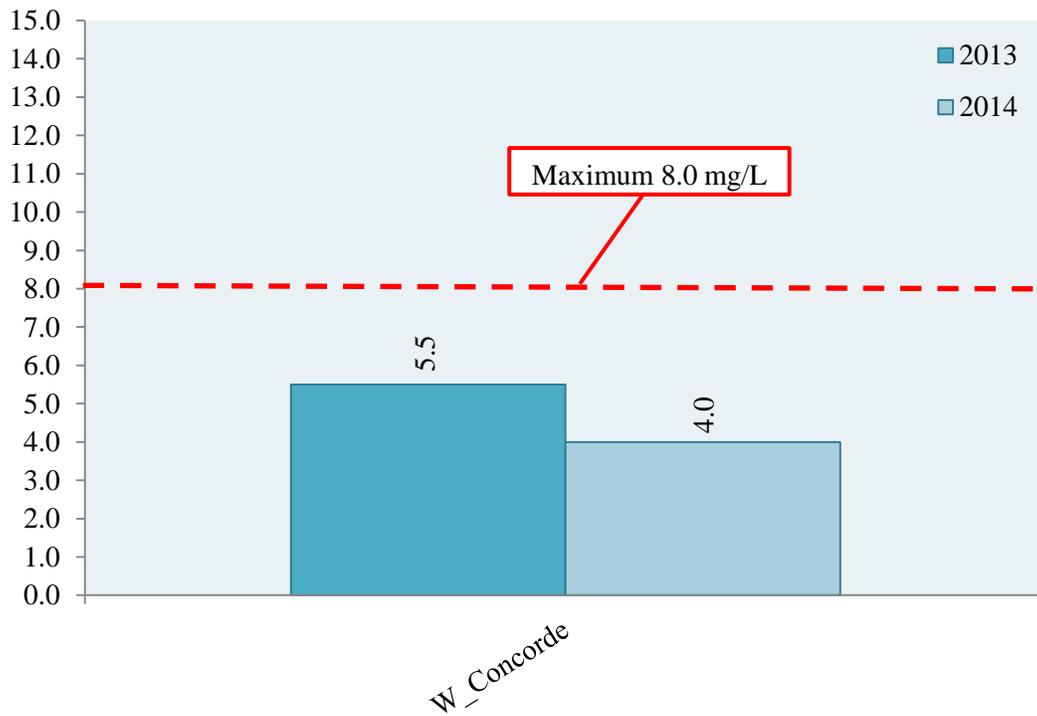
**Ammonia (mg/L)**



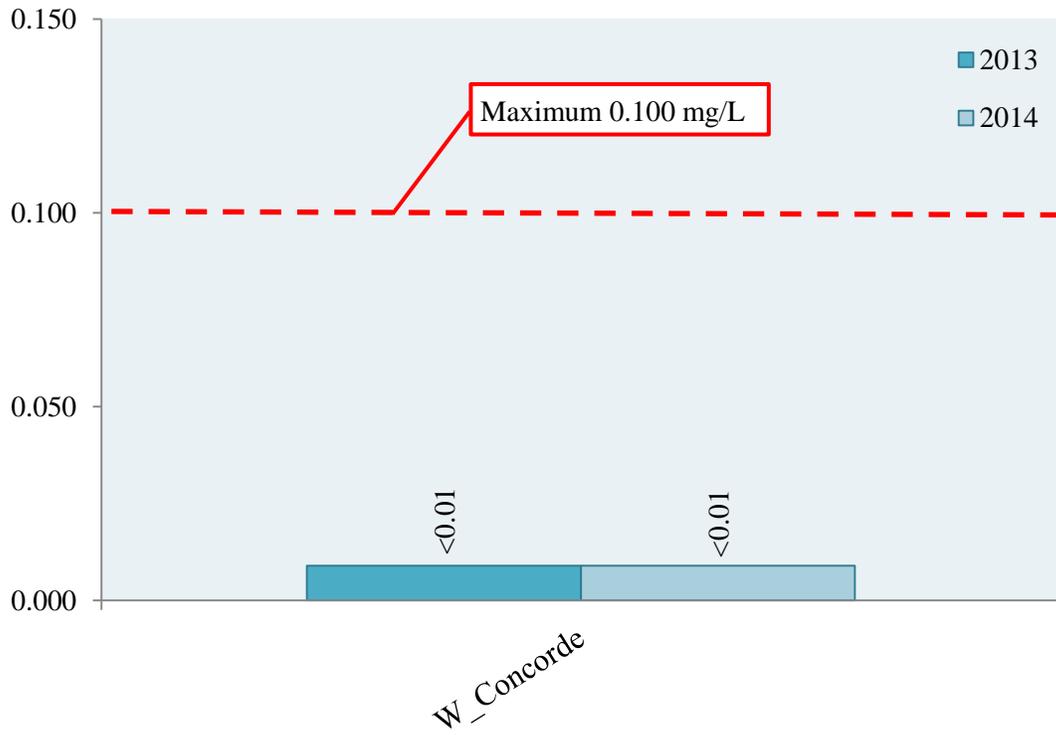
**Chloride (mg/L)**



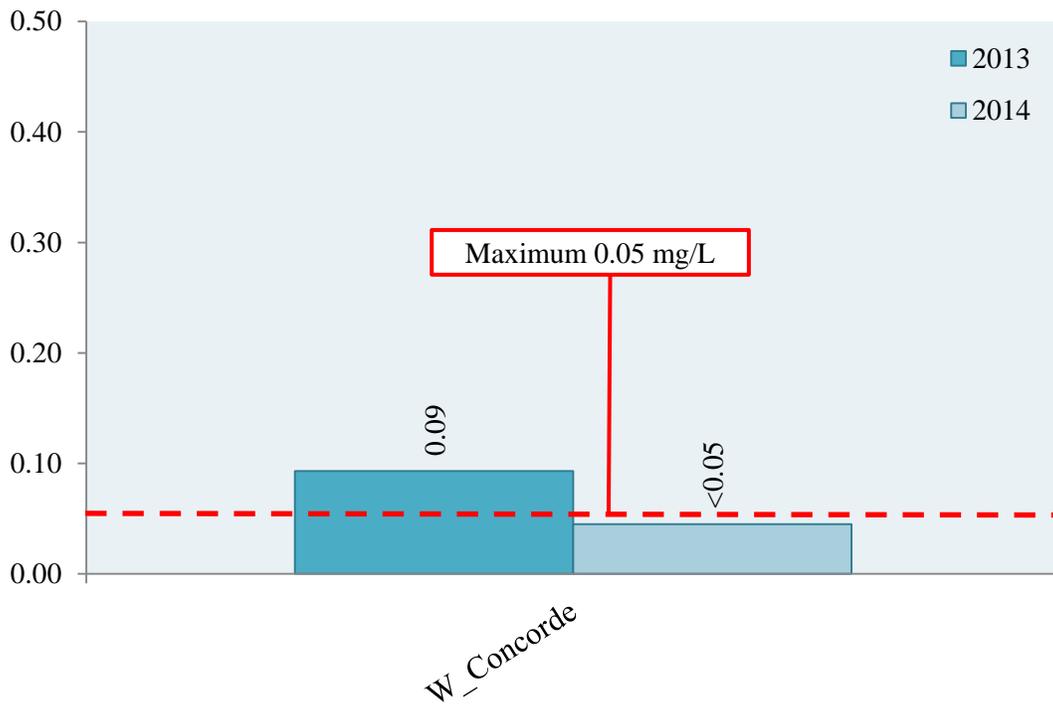
**Fluoride (mg/L)**



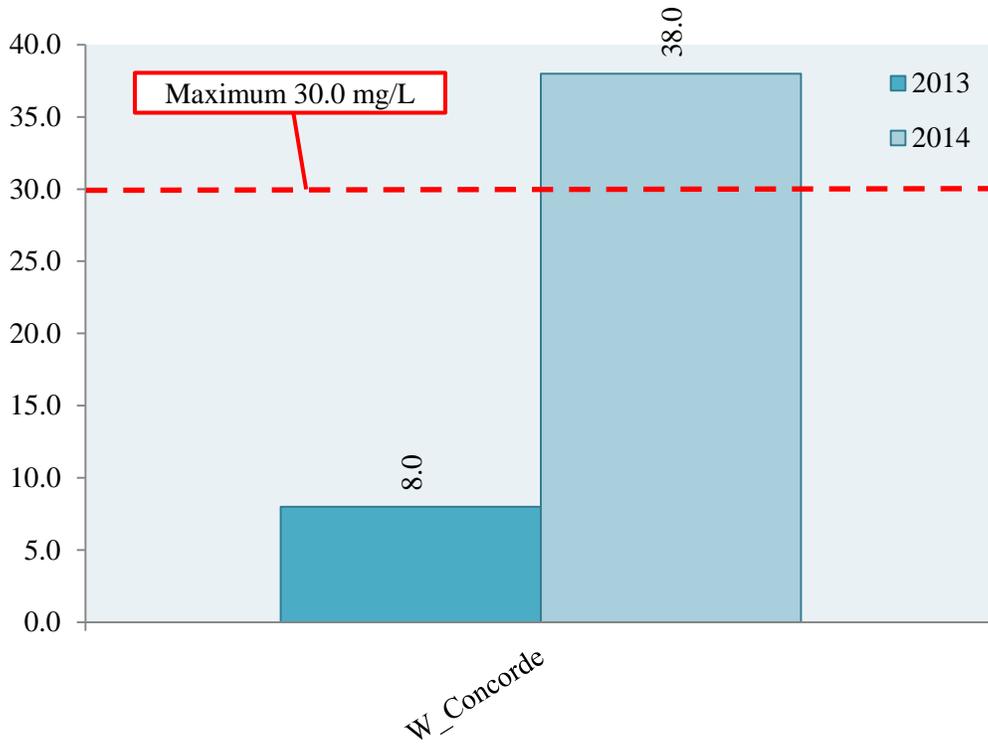
**Biochemical Oxygen Demand (mg/L)**



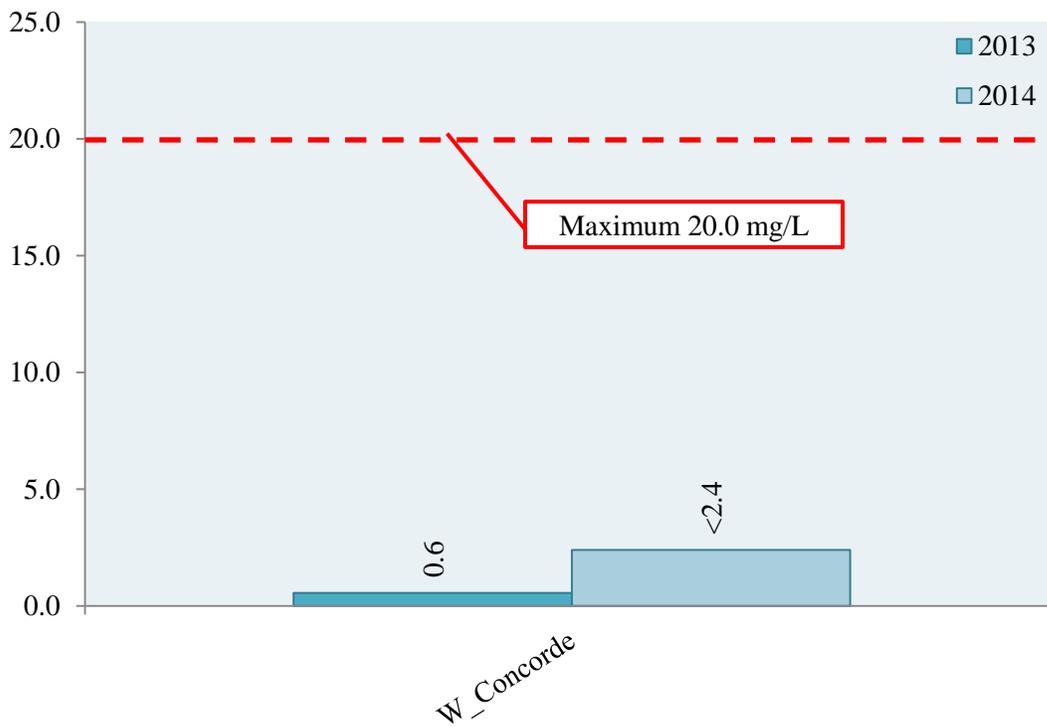
**Phenolics (mg/L)**



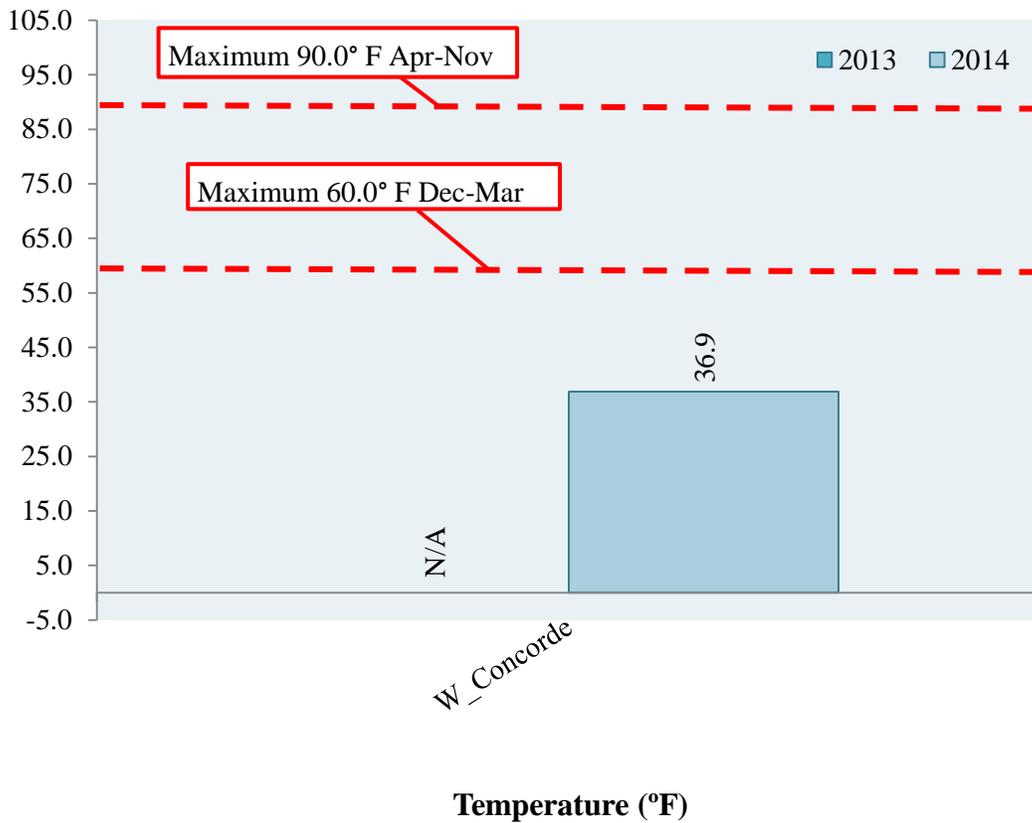
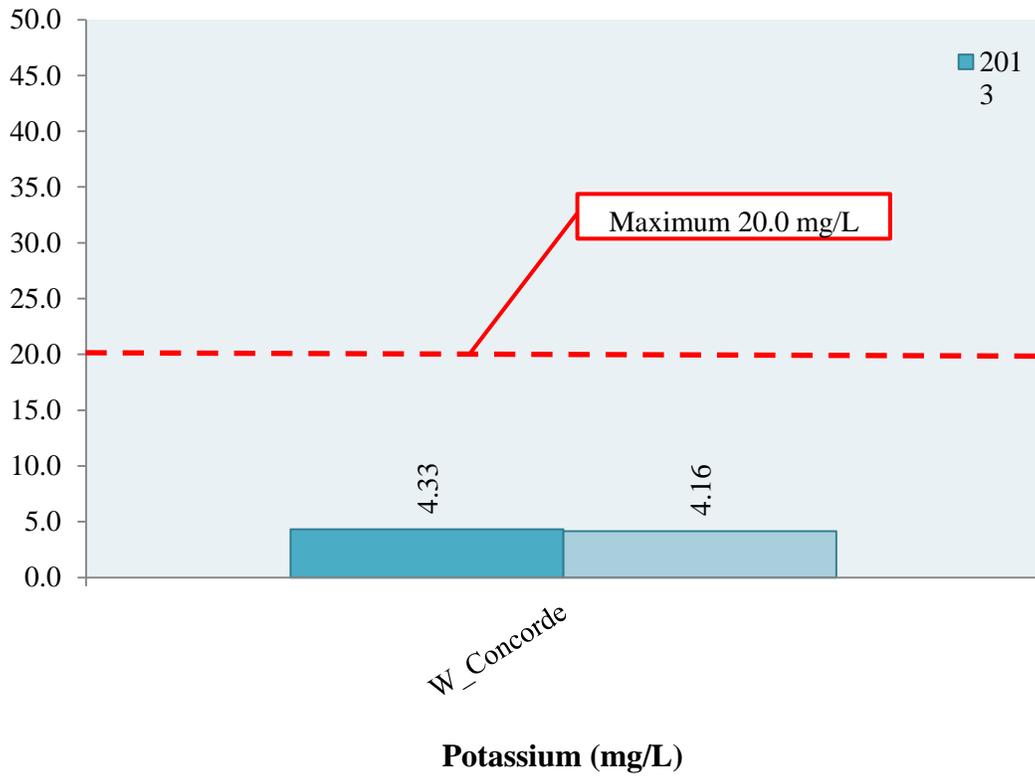
**Total Phosphorus (mg/L)**

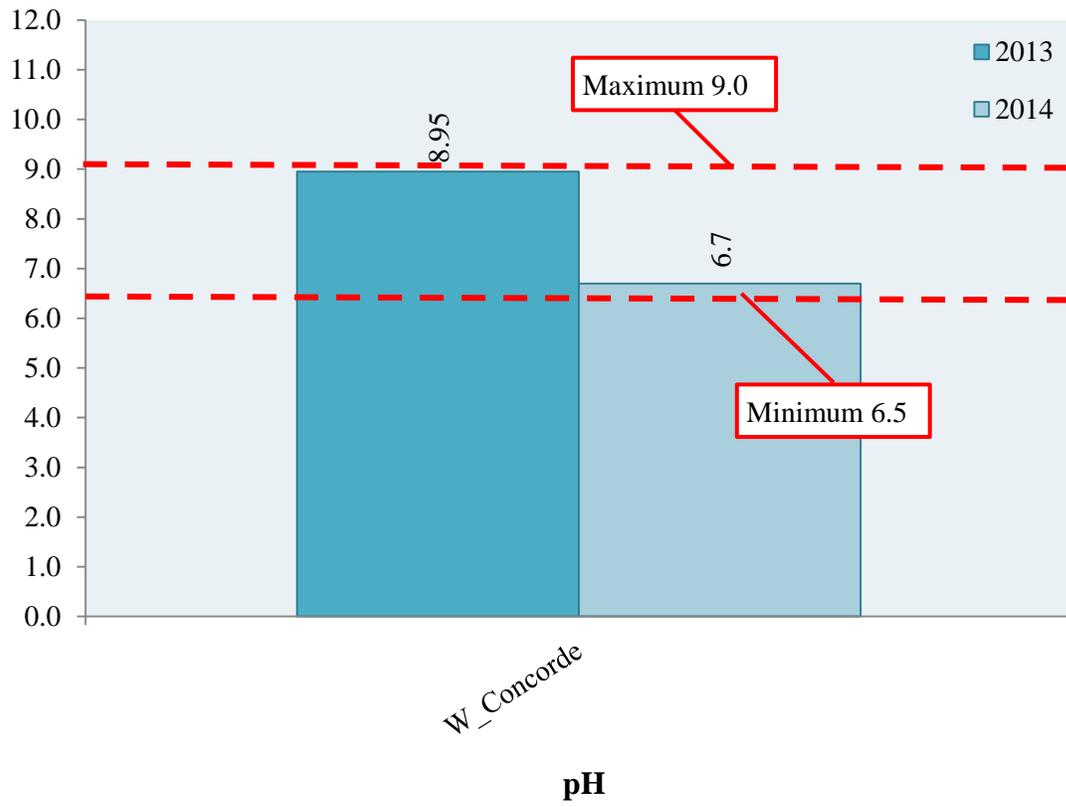


**Total Suspended Solids (mg/L)**



**Total Kjeldahl Nitrogen (mg/L)**





**Outfall Inspection Summary  
Year 12 (2014)  
Village of Wadsworth**

ID #	Sub-Watershed	Date	Past 72 hrs Precipitation	Land Use	Type	Material	Size	Submerged	Possible Illicit Discharge	Flow	Physical Indicators (Flowing Outfalls)	Non-Illicit Discharge Concerns
001	Upper Des Plaines River	11/19/14	None	Open Space	StormSewer	RCP	28"x36"	No	No	None	N/A	None
002	Upper Des Plaines River	6/16/14	In the past 24 hours, 0.03" of rainfall	Residential	OpenDrainage	Other	D: 1" T :8" B: 8"	No	No	None	N/A	None
003	UNABLE TO LOCATE											
004	Upper Des Plaines River	6/16/14	In the past 24 hours, 0.03" of rainfall	Open Space	StormSewer	RCP	24"	Partially (water)	No	None	N/A	Excessive vegetation - not impeding flow.
005	Newport Drainage Ditch	6/16/14	In the past 24 hours, 0.03" of rainfall	Open Space	StormSewer	RCP	36"	Partially (water)	No	Trickle	None	Some trash present in and around the outfall.
006	Newport Drainage Ditch	6/16/14	In the past 24 hours, 0.03" of rainfall	Open Space	StormSewer	RCP	72"x36"	Partially (water)	No	None	N/A	None
007	Newport Drainage Ditch	6/16/14	In the past 24 hours, 0.03" of rainfall	Residential	StormSewer	RCP	24"	Partially (water)	No	None	N/A	Minor corrosion of exposed rebar.
008	Newport Drainage Ditch	6/16/14	In the past 24 hours, 0.03" of rainfall	Open Space	StormSewer	RCP	36"	Partially (water)	Yes	Trickle	Floatables - Suds present inside the outfall	Vegetation impeding flow.
009	UNABLE TO LOCATE											