



June 3, 2011

Environmental Protection Agency  
Division of Water Pollution Control  
Compliance Assurance Section #19  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, IL 62794-9276

RE: NPDES Phase II – Year 8 Annual Report  
Village of Inverness MS4  
NPDES Permit No. ILR400359

To Whom it may concern:

On behalf of the Village of Inverness, 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 call me at (847) 358-7960.

Sincerely,

A handwritten signature in black ink, appearing to read "Jason R. Doland".

Jason R. Doland, P.E.  
Village Engineer

cc: Village Administrator



# Illinois Environmental Protection Agency

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

## Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

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

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

Report Period: From March, 2010 To March, 2011

Permit No. ILR40 0359

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

Name: Village of Inverness Mailing Address 1: 1400 Baldwin Road  
Mailing Address 2: \_\_\_\_\_ County: Cook  
City: Inverness State: IL Zip: 60067 Telephone: 847-358-7740  
Contact Person: Curt Carver Email Address: invernesshall@comcast.net  
(Person responsible for Annual Report)

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

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

[Signature]  
Owner Signature:  
Curt Carver  
Printed Name:

6/7/11  
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

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

# **MS4 Annual Facility Inspection Report**

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

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

***Village of Inverness***

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## Part A. Changes to Best Management Practices

Note: X indicates BMPs performed that were proposed in your NPDES permit

✓ indicates changes to BMPs proposed in your NPDES permit

Year 7	
Village of Inverness	
<b>A. Public Education and Outreach</b>	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
	A.3 Public Service Announcement
	A.4 Community Event
	A.5 Classroom Education Material
	A.6 Other Public Education
<b>B. Public Participation/Involvement</b>	
	B.1 Public Panel
	B.2 Educational Volunteer
	B.3 Stakeholder Meeting
X	B.4 Public Hearing
	B.5 Volunteer Monitoring
	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
X	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 7	
Village of Inverness	
<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
	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
	E.5 Site Inspections During Construction
	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
	F.2 Inspection and Maintenance Program
	F.3 Municipal Operations Storm Water Control
	F.4 Municipal Operations Waste Disposal
	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

## **Part B. Status of Compliance with Permit Conditions**

The status of BMPs and measurable goals performed in Year 7 is described below.

### **1. Public Education and Outreach**

The Village of Inverness is committing to conduct Public Education and Outreach as part of its permit. Public Education and Outreach requires implementation of a program to distribute educational material to the community and inform the public steps they can take to reduce pollutants to storm water runoff.

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

The Village of Inverness will select and make available to its residents brochures and pamphlets related to BMP and storm water management provided by public entities, environmental organizations, and public interest groups.

*Measurable Goals: Review, revise and continue educational material distribution in year 8.*

**A water quality and BMP packet was distributed in year 8.**

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

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

MS4 will conduct a public meeting to present the Village Code changes to further enforce SWMP.

*Measurable Goals: Present summary of ongoing program implementation (annual report) at public meeting. Present Village Code text changes to strengthen the enforcement of SWMP for board review and approval/acceptance in year 8.*

**Village code text modification were presented for board review and approval/acceptance in year 8.**

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

The Village will perform activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control. The majority of these activities will be related to IDDE program design.

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

The Village of Inverness will enforce its ordinances prohibiting discharges of non-storm water discharges.

*Measurable Goals: Continue to implement and enforce the Village ordinance.  
Review and revise ordinances as necessary.*

**Current Village of Inverness ordinances that facilitate enforcement are in the Municipal Code and text modifications to applicable Code Sections were strengthened in year 8.**

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

The Village of Inverness will perform dry weather screening of outfalls on an annual basis. Continue to investigate citizen illicit discharge/illegal dumping reports in the field (“reactive investigation”).

*Measurable Goals: Review, revise and enforce SWMP in year 8*

**This provision of the SWMP was implemented with outfall inspections in year 8.**

**4. Construction Site Runoff Control**

**D.1 Regulatory Control Program:**

The Village of Inverness will enforce its ordinances related to erosion and sediment control on construction sites.

*Measurable Goals: Continue to implement and enforce the Village ordinances.  
Review and revise ordinances as necessary.*

**The Village of Inverness has within its municipal code, under Title 4, “Building Regulations,” Chapter 8, “Erosion and Sediment Control,” ordinances that facilitate the enforcement of erosion and sediment control measures on construction sites.**

**D.2 Erosion and Sediment Control BMPS:**

The Village of Inverness will develop and implement guidelines for BMP’s in the SWMP.

*Measurable Goals: Review, revise and enforce SWMP in year 8*

**The Village of Inverness has within its municipal code, under Chapter 8, “Erosion and Sediment Control,” ordinances that facilitate the enforcement of erosion and sediment control measures on construction sites.**

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

The Village of Inverness will review construction permit applications submittals for compliance with the Village soil erosion and sediment control regulations.

*Measurable Goals: Continue to implement and enforce the Village ordinance.  
Review and revise ordinances as necessary on an annual basis.*

**The Village of Inverness has within its municipal code, under Title 4, “Building Regulations,” Chapter 8, “Erosion and Sediment Control,” regulations and procedures for the permitting processes of applying and reviewing.**

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

The Village of Inverness will review and revise its procedures for site inspections and issuing warnings.

*Measurable Goals: Review, revise and enforce SWMP in year 8.*

**The Village of Inverness has within its municipal code, under Title 4, “Building Regulations,” Chapter 8, “Erosion and Sediment Control,” inspection procedures for construction sites that will be reviewed.**

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

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

The Village of Inverness currently has a zoning ordinance and an erosion and sediment control ordinance which will be reviewed and revised to include sanctions to ensure compliance; requirements for operators of construction sites of one acre or more to implement erosion sediment control best management practices and control construction waste products; and require construction sites to meet the requirements of Part IV of NPDES Permit No. ILR10 and the Illinois Urban Manual.

*Measurable Goals: Review, revise and enforce SWMP in year 8.  
Enforce ordinances.*

**Title 5, “Zoning Regulations,” and Title 4, Chapter 8, “Erosion and Sediment Control,” of the Village of Inverness’ Municipal Code will be reviewed and revised as necessary.**

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

The Village will develop measures to address this BMP in the SWMP. The SWMP will include procedures for inspecting detention basins and sample long term operation and maintenance plans.

*Measurable Goals: Review, revise and enforce SWMP in year 8.*

**The SWMP includes language related to this provision.**

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

In conjunction with BMP D.4, erosion and sediment control plans must be reviewed by the Village prior to permit issuance.

*Measurable Goals: Review, revise and enforce SWMP in year 8.*

**Village of Inverness has within its municipal code, under Title 4, “Building Regulations,” Chapter 8, “Erosion and Sediment Control,” regulations and procedures for the permitting processes of applying and reviewing.**

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

In conjunction with BMP D.6 The Village of Inverness will establish procedures for inspections during construction, and procedures for issuing warnings and assessing penalties to ensure compliance with the Village erosion and sediment control ordinance.

*Measurable Goals: Review, revise and enforce SWMP in year 8.  
Enforce ordinances.*

**The Village of Inverness has within its municipal code, under Title 4, “Building Regulations,” Chapter 8, “Erosion and Sediment Control,” inspection procedures for construction sites.**

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

The Village of Inverness will establish procedures for inspections after construction, and procedures for issuing warnings and assessing penalties to ensure compliance with the Village erosion and sediment control ordinance.

*Measurable Goals: Review, revise and enforce SWMP in year 8.  
Enforce ordinances.*

**The Village of Inverness has within its municipal code, under Title 4, “Building Regulations,” Chapter 8, “Erosion and Sediment Control,” inspection procedures for construction sites.**

**6. Pollution Prevention/Good Housekeeping**

**F.1 Employee Training Program:**

This minimum control measure involves the development and implementation of an operation and maintenance program to reduce the discharge of pollutants from municipal operations.

*Measurable Goals: Review, revise and enforce SWMP in year 8.*

**The SWMP includes language related to this provision.**

## **Part C. Information and Data Collection Results**

The Village Engineer and his staff record and summarize the activities and projects completed during a calendar year. The Village Engineer and his staff have committed substantial amounts of time and energy to performing inspections for Illicit Discharge Detection and Elimination. These efforts included dry weather screening of ponds and outlet structures and channel inspections along streams, creeks and ditches. The Village Engineer and his staff perform sewer inspections on a yearly basis to identify maintenance tasks associated with the upkeep of the infrastructure system. The Village Engineer maintains strict regulatory oversight and inspections related to construction activities within the Village. The Village Engineer provides summary information to the Village Administrator and Village Board as necessary. The communication between the Village Engineer, Village Administrator and Village Board provides an efficient means by which to address performance benchmarks and indicators associated with the SWMP. Specific data collected for Year 8 activities related to illicit discharge detection and elimination is available upon request.

## Part D. Summary of Year 9 Storm water Activities

The following table summarizes the BMPs committed to for Year 9. Specific BMPs and measurable goals for Year 9 Storm water Management Program development activities are presented in the sections following the table.

**Note: x indicates BMPs committed to for Year 8.**

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

## **1. Public Education and Outreach**

The Village of Inverness is committing to conduct Public Education and Outreach as part of its permit. Public Education and Outreach requires implementation of a program to distribute educational material to the community and inform the public steps they can take to reduce pollutants to storm water runoff.

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

The Village of Inverness will select and make available to its residents brochures and pamphlets related to BMP and storm water management provided by public entities, environmental organizations, and public interest groups.

*Measurable Goals: Review, revise and enforce SWMP in year 9.*

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

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

MS4 will conduct a public meeting to present and necessary Code changes related to the SWMP.

*Measurable Goals: Present summary of ongoing program implementation (annual report) at public meeting.*

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

The Village will perform activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control. The majority of these activities will be related to IDDE program design.

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

The Village of Inverness will enforce its ordinances prohibiting discharges of non-storm water discharges.

*Measurable Goals: Continue to implement and enforce the Village ordinance.  
Review and revise ordinances as necessary.*

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

Efforts to locate illicit discharges will be documented. Include measures in the SWMP document.

*Measureable Goals: Review, revise and enforce SWMP in year 9.*

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

The Village of Inverness will develop and implement procedures for detecting, investigating, and eliminating illegal discharges in the SWMP.

*Measurable Goals: Review, revise and enforce SWMP in year 9.*

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

The Village of Inverness will perform dry weather screening of outfalls on an annual basis. Continue to investigate citizen illicit discharge/illegal dumping reports in the field (“reactive investigation”).

*Measurable Goals: Review, revise and enforce SWMP in year 9.*

## **4. Construction Site Runoff Control**

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

The Village of Inverness will enforce its ordinances related to erosion and sediment control on construction sites.

*Measurable Goals: Continue to implement and enforce the Village ordinances.  
Review and revise ordinances as necessary.*

### **D.2 Erosion and Sediment Control BMPS:**

The Village of Inverness will review and modify guidelines for BMP’s in the SWMP.

*Measurable Goals: Review, revise and enforce SWMP in year 9.*

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

The Village of Inverness will review construction permit applications submittals for compliance with the Village soil erosion and sediment control regulations.

*Measurable Goals: Continue to implement and enforce the Village ordinance.  
Review and revise ordinances as necessary on an annual basis.*

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

The Village of Inverness will review and revise its procedures for site inspections and issuing warnings.

*Measurable Goals: Review, revise and enforce SWMP in year 9.*

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

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

The Village of Inverness currently has a zoning ordinance and an erosion and sediment control ordinance which will be reviewed and revised to include sanctions to ensure compliance; requirements for operators of construction sites of one acre or more to implement erosion sediment control best management practices and control construction waste products; and require construction sites to meet the requirements of Part IV of NPDES Permit No. ILR10 and the Illinois Urban Manual.

*Measurable Goals: Review, revise and enforce SWMP in year 9.  
Enforce ordinances.*

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

The Village will review and revise measures to address this BMP in the SWMP. The SWMP includes procedures for inspecting detention basins and sample long term operation and maintenance plans.

*Measurable Goals: Review, revise and enforce SWMP in year 9*

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

In conjunction with BMP D.4, erosion and sediment control plans must be reviewed by the Village prior to permit issuance.

*Measurable Goals: Review, revise and enforce SWMP in year 9*

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

In conjunction with BMP D.6 The Village of Inverness will establish procedures for inspections during construction, and procedures for issuing warnings and assessing penalties to ensure compliance with the Village erosion and sediment control ordinance.

*Measurable Goals: Review, revise and enforce SWMP in year 9  
Enforce ordinances.*

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

The Village of Inverness will establish procedures for inspections after construction, and procedures for issuing warnings and assessing penalties to ensure compliance with the Village erosion and sediment control ordinance.

*Measurable Goals: Review, revise and enforce SWMP in year 9  
Enforce ordinances.*

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

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

This minimum control measure involves the development and implementation of an operation and maintenance program to reduce the discharge of pollutants from municipal operations.

*Measurable Goals: Review, revise and enforce SWMP in year 9*

## Part E. Notice of Qualifying Local Program

Not applicable.

