

# **MS4 Annual Facility Inspection Report**

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

**Permit Year 17:March 2019 to March 2020**

***Village of Inverness***

**Contents**

**Part A. Changes to Best Management Practices ..... A-1**

**Part B. Status of Compliance with Permit Conditions .....B-1**

**Part C. Information and Data Collection Results ..... C-1**

**Part D. Summary of Year 14 Storm Water Activities ..... D-1**

**Part E. Notice of Qualifying Local Program .....E-1**

**Part F. Construction Projects Conducted During Year 14 ..... F-1**

## 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 17	
Village of Inverness	
<b>A. Public Education and Outreach</b>	
X	A.1 Distributed Paper Material
X	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>	
	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 17	
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
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
	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 17 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 18.*

**A water quality and BMP packet will again be made available in year 18.**

### **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 18.*

**Village code enforcement issues were discussed with Village Board members which would strengthen the enforcement of the SWMP in year 17.**

### **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.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 18*

**This provision of the SWMP was implemented with outfall inspections in year 17.**

**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 18*

**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 18.*

**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 18.  
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 18.*

**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 18.*

**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 18.  
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 18.  
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 18.*

**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 17 activities related to illicit discharge detection and elimination is available upon request.



## Part D. Summary of Year 17 Storm water Activities

The following table summarizes the BMPs committed to for Year 18. Specific BMPs and measurable goals for Year 17 Storm water Management Program development activities are presented in the sections following the table.

**Note: X indicates BMPs committed to for Year 18.**

Year 18	
Village of Inverness	
<b>A. Public Education and Outreach</b>	
X	A.1 Distributed Paper Material
X	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
	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>	
	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
	C.3 Detection/Elimination Prioritization Plan
X	C.4 Illicit Discharge Tracing Procedures
X	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 18	
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
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
	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

## **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 18.*

## **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 18.*

### **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 18.*

### **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 18.*

## **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 18.*

### **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 18.*

## **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 18.  
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 18*

### **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 18*

### **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 18  
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 18  
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 18*

## Part E. Notice of Qualifying Local Program

Not applicable.

