



# Village of Inverness

1400 Baldwin Road • Inverness, Illinois 60067  
847/358-7740 • Fax 847/358-8858

May 17, 2010

Gewalt Hamilton

MAY 20 2010

Associates, Inc.

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

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Re: NPDES Phase II – Year Seven Annual Report  
Village of Inverness MS4

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) 358-7740.

Sincerely,

The Village of Inverness

Curt Carver  
Village Administrator

Attachments

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
ANNUAL FACILITY INSPECTION REPORT  
NPDES PERMIT FOR STORM WATER DISCHARGES  
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)**

Complete each section of this report.

Reporting Period from: March, 2009 To: March, 2010 Permit Number : ILR40 \_\_\_\_\_

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

Name: Village of Inverness Telephone: 847-358-7740

Mailing Address: 1415 Baldwin Rd.

City: Inverness State: IL Zip: 60067 County: Cook

Contact Person: Curt Carver, Village Administrator

(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 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"/> |

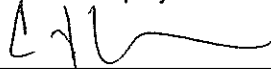
B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum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

Signature: 

Date: 8/17/10

*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))*

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

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

Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may 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 7: March 2009 to March 2010**

*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> |   |
| X   | 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 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          |
| 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      |

## **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 accept SWMP in year 8.*

**A Draft Storm Water Management Program (SWMP) is being prepared that includes language related to this provision.**

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

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

MS4 will conduct a public meeting to present the proposed SWMP.

*Measurable Goals: Present summary of ongoing program implementation (annual report) at public meeting. Present SWMP for board review and approval/acceptance in year 8.*

**A Draft Storm Water Management Program (SWMP) is being prepared and will be 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.1 Storm Water Map Preparation:**

The Village of Inverness will prepare a map showing all drainage facilities under Village jurisdiction and identify all outfalls and receiving waters.

*Measurable Goals: Create and maintain an outfall map.  
Review, revise and accept SWMP language related to this provision in year 8.*

**A Storm Sewer Atlas and Outfall Map were created in Year 7.**

#### **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 under Title 9; “Health and Sanitation Regulations.” Ordinances 9-1-3, and 9-1-6 state that no person shall**

**cause, threaten or allow the discharge of residential or industrial wastes to storm sewers or drainage systems. Further, ordinance 9-3-1 lists several nuisances regarding the affect upon watercourses and littering.**

**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 accept SWMP.  
Implement SWMP.*

**A Draft Storm Water Management Program (SWMP) is being prepared that includes language related to this provision.**

**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 accept SWMP in year 8.  
Implement SWMP.*

**A Draft Storm Water Management Program (SWMP) is being prepared that includes language related to this provision.**

**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 accept SWMP in year 8.  
Implement SWMP.*

**A Draft Storm Water Management Program (SWMP) is being prepared that includes language related to this provision. Outfall inspections are scheduled for the summer of 2010.**

**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 accept SWMP in year 8.  
Implement SWMP.*

**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 accept SWMP in year 8.  
Implement SWMP.*

**A Draft SWMP is being prepared that includes language related to this provision. In addition, 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 accept SWMP in year 8.  
Implement SWMP.  
Enforce ordinances.*

**A Draft SWMP is being prepared that includes language related to this provision. In addition, 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 accept SWMP in year 8.  
Implement SWMP.*



**A Draft SWMP is being prepared that 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 accept SWMP in year 8.  
Implement SWMP.*

**A Draft SWMP is being prepared that includes language related to this provision. 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.**

**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 accept SWMP in year 8.  
Implement SWMP.  
Enforce ordinances.*

**A Draft SWMP is being prepared that includes language related to this provision. In addition, 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 accept SWMP in year 8.  
Implement SWMP.  
Enforce ordinances.*

**A Draft SWMP is being prepared that includes language related to this provision. In addition, 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 accept SWMP in year 8.  
Implement SWMP.*

**A Draft SWMP is being prepared that includes language related to this provision.**

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

Year 7 activities related to illicit discharge detection and elimination consisted primarily of program planning efforts. Therefore, no information or data was collected during this period. A program for annual upstream and downstream modeling will be established. This includes water quality testing.

## Part D. Summary of Year 8 Storm water Activities

The following table summarizes the BMPs committed to for Year 8. Specific BMPs and measurable goals for Year 8 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  |   |
|---|---|
| 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> |   |
| X   | 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 8   |  |
|--|--|
| 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 accept SWMP in year 8.*

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

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

MS4 will conduct a public meeting to present the proposed SWMP.

*Measurable Goals: Present summary of ongoing program implementation (annual report) at public meeting. Present SWMP for board review and approval/acceptance.*

## **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.1 Storm Water Map Preparation:**

The Village of Inverness will prepare a map showing all drainage facilities under Village jurisdiction and identify all outfalls and receiving waters.

*Measurable Goals: Create and maintain an outfall map.  
Review, revise and accept SWMP language related to this provision in year 8.*

### **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.

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

### **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 accept SWMP in year 8.  
Implement SWMP.*

### **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 accept SWMP in year 8.  
Implement SWMP.*

## **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 develop and implement guidelines for BMP’s in the SWMP.

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

### **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 accept SWMP in year 8.  
Implement SWMP.*

## **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 accept SWMP in year 8.  
Implement SWMP.  
Enforce ordinances.*

**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 accept SWMP in year 8.  
Implement SWMP.*

**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 accept SWMP in year 8.  
Implement SWMP.*

**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 accept SWMP in year 8.  
Implement SWMP.  
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 accept SWMP in year 8.  
Implement SWMP.  
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 accept SWMP in year 8.  
Implement SWMP.*

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

**Not applicable.**

