

Illinois Environmental Protection Agency  
Annual Facility Inspection Report  
NPDES Phase II Permit for Storm Water Discharges  
From  
Municipal Separate Storm Sewer Systems  
Macon County, Illinois  
NPDES Permit Number ILR 400262

**Reporting Period:**

March 2011 – March 2012

**MS4 Operator Information:**

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**Governmental Entity in which MS4 is located:**

Macon County, Illinois

**Introduction/ Background:**

In 1987 the United States Environmental Protection Agency (USEPA) enacted the Clean Water Act to address storm water runoff in two phases. Phase I of the National Pollution Discharge Elimination System (NPDES) became effective in 1990. Phase I pertained to large and medium MS4's and eleven industrial categories that targeted sites disturbing 5 or more acres of land. Phase II of the NPDES Storm water Program started in March 10, 2003 and targeted construction sites disturbing 1 to 5 acres of land. These two programs are controlled by the Illinois Environmental Protection Agency (IEPA).

Macon County was required to comply with Phase II of the NPDES Storm water Program in April 1, 2009. The Notice of Intent (NOI) is an application document for Macon County that covers the storm water measures that will be performed in the next 5 years. The permit is broken down into 6 minimum control measures which include:

1. Public Education and Outreach

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

Macon County has developed a plan to address these six control measures within the 5 year period. This report is currently for the second year of the permit.

Macon County is currently working with an MS4 group that consists of City of Decatur, Village of Forsyth, and Village of Mt. Zion. Along with the help of the Macon County Soil and Water Conservation District. By forming this group we can help keep consistency throughout our community in storm water activities.

#### **ITEM A: Changes to Best Management Practices**

There have not been any changes to the best management practices as part of our existing permit.

#### **ITEM B: Status of Compliance with Permit Conditions**

#### **ITEM C: Results of Information Collected During the Year 3 Reporting Period**

#### **ITEM D: Activities Planned for the Year 4 Reporting Period**

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

###### **BMP No. A.1/ A.6**

**Brief Description of BMP:** Distribute a flyer or pamphlet focused on educating residents about storm water issues. Update flyer as necessary to reflect current topics.

**Measureable Goal(s), including frequencies:** Educational flyers will be distributed at County buildings and to the School District. Flyers will be replenished as necessary.

**Milestones: Year 4:** Continue to distribute flyers as described in Year 1.

In the first years of the permit, the MS4 organizations distributed a flyer called, “For Clean Water Tomorrow.... Do Your Part Today.” This flyer was distributed to County Buildings, area schools, and to the public during the Macon County Fair.

The Macon County MS4’s are also in the process of creating a website for the public to use. At this time, we have hired a website consultant and just in the process of gathering information for him to compile the website.

**BMP No. A.3**

**Brief Description of BMP:** Work with other area communities and the Macon County Soil and Water Conservation District (MCSWCD) to create a public service announcement (PSA) targeting Decatur- area residents. The announcement will be aired on local radio stations.

**Measureable Goal(s), including frequencies:** Create storm water –related PSA for airing on local radio stations. Amend the agreement with MCSWCD to assign the responsibility for creating the PSA to MCSWCD.

**Milestones: Year 4:** Continue airing PSA, 5 times per day for a 1-week duration.

Macon County and the MS4's completed a public service announcement for the radio and also added a video clip to air on the public service announcement channel for the City of Decatur. The video clip has also been posted on the Macon County website at [www.co.macon.il.us](http://www.co.macon.il.us).

**B. Public Participation/ Involvement****BMP No. B.3 / B.6 / B.7**

**Brief Description of BMP:** Macon County will meet with area communities to discuss storm water permit compliance issues. The information generated from these meeting will be used by Macon County to develop and/or enhance future storm water regulations and policies.

**Measureable Goal(s), including frequencies:** Attend local NPDES Coordination Meetings (with City of Decatur, Mt. Zion, Forsyth, and MCSWCD). Maintain and examine meeting records to help guide future policy changes.

**Milestones: Year 4:** Attend local NPDES Coordination Meetings and maintain meeting minutes from each meeting.

Macon County attends local MS4 meeting's every 2 months. At this time we discuss different situations that arise in our communities. For example, this year we discussed at length about the procedures and agencies involved when filling in a floodplain. We have now changed our procedures for when a large SWPPP comes in, they have to tell us where the spoils will be distributed.

Macon County has received 5 citizen complaints for storm water in the Year 2011. This number was considerably low due to drought conditions.

**C. Illicit Discharge Detection and Elimination****BMP No. C.1**

**Brief Description of BMP:** Macon County storm sewer outfalls have already been mapped. The County will update the maps as necessary to reflect new development within the County's urbanized areas.

**Measureable Goal(s), including frequencies:** Retain storm sewer system maps showing the location of all outfalls and waters of the United States which receive discharge from these outfalls.

**Milestones: Year 4:** Revise storm sewer outfall maps as necessary.

Updates are made as needed.

**BMP No. C.2 / C.3 / C.7**

**Brief Description of BMP:** Language is included in Macon County's Rules and Regulations that prohibits non-stormwater discharges to the storm sewer system. The County will develop a screening, inspection and follow-up program to identify non-stormwater discharges and illicit discharges.

**Measureable Goal(s), including frequencies:** Select 10-15% of mapped outfalls for dry weather screening, based on potential for illicit discharges. Selected outfalls will be inspected during dry weather up to 3 times per year. Maintain inspection reports and investigate/ eliminate encountered discharges.

**Milestones: Year 4:** Inspect identified outfalls up to 3 times per year. Investigate non-stormwater and/ or illicit discharges when encountered.

Inspections are performed and documented as performed.

**BMP No. C.4 / C.5 / C.10**

**Brief Description of BMP:** Macon County will provide education for residents and County Staff on how to detect and handle illicit and non-stormwater discharges. Education efforts will be combined with MCSWCD, as their staff has valuable knowledge on stormwater pollution prevention.

**Measureable Goal(s), including frequencies:** Provide public notification and information on illicit discharges and changes to County enforcement policies. Train appropriate County employees on the detection and elimination of non-stormwater and illicit discharges.

**Milestones: Year 4:** Continue public education and staff training.

Macon County and City of Decatur, along with Forsyth and Mt. Zion, joined forces to coordinate an educational training session in February for area engineers. We brought in a speaker from the International Erosion Control Association, Jennifer Hildebrand, for an 8 hour training on "How to Write an Effective SWPPP that Really Gets Installed." We targeted our area engineers first and had 20 attend. We were hoping for a better turnout although there was an IDOT training in the area at the same time.

The website we are currently building will be an education tool for the contractors and general public. The website address is [www.maconcleanwater.com](http://www.maconcleanwater.com).

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

### **BMP No. D.1 / D.2 D.4**

**Brief Description of BMP:** Macon County has an agreement with the MCSWCD for review of erosion control plans and SWPPPs within unincorporated urbanized areas. MCSWCD will provide a technical review of erosion control plans (and associated SWPPP) and provide comments to developer and County.

**Measureable Goal(s), including frequencies:** Work with the MCSWCD to ensure site plans receive a review of the erosion control plan and SWPPP. Site plans that lack proper erosion control measures will be returned to the developer for revision and resubmittal.

**Milestones: Year 4:** Site plans reviewed by MCSWCD for compliance with local erosion and sediment control plans.

This section is a change in our NOI permit. Macon County is reviewing all of our erosion control plans. Through our MS4 group, we have also added a site plan drawing that is required with the submittal of every land disturbance permit. The site plan has been in effect for a year and has been very helpful for the inspectors and the contractors. We have been able to help the landowner and contractor choose the best BMP for the area.

### **BMP No. D.1 /D.6**

**Brief Description of BMP:** Inspection of construction sites for compliance with erosion control measures is currently performed by Macon County Soil & Water Conservation District staff, by written agreement. Current procedures will be evaluated to determine if construction sites are being properly inspected and adequate enforcement is occurring.

**Measureable Goal(s), including frequencies:** Each construction site (those sites regulated by ILR10) will receive an initial inspection for compliance with the approved erosion control plan and SWPPP. Follow-up inspection(s) will occur if adequate measures are not being taken and/or complaints are received.

**Milestones: Year 4:** Conduct initial site inspections for developments subject to ILR10. Perform follow-up inspections as necessary.

This section is a change in our NOI permit. Macon County is performing all storm water inspections and investigates complaints on construction sites. We have implemented an inspection program and started it last year. Attached is a table of the land disturbance permits/inspections that were done for Macon County last year.

### **BMP No. D.5**

**Brief Description of BMP:** A phone number is available for the public to call with any concerns or complaints relating to construction site erosion and sediment control. The County has (and will continue to) track complaints received. Complaints are forwarded to MCSWCD staff for follow-up.

**Measureable Goal(s), including frequencies:** Implement complaint forwarding procedure for active construction sites.

**Milestones: Year 4:** Continue to implement complaint tracking and reporting system.

This section is a change in our NOI permit. Macon County has a published number on the county website [www.co.macon.il.us](http://www.co.macon.il.us) for complaints relating to construction site erosion and sediment control. When a complaint is received our office performs the inspection and investigates the case. Macon County has an inspection program for these types of complaints. Last year Macon County answered and investigated 5 erosion/ sediment complaints due to the drought conditions.

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

#### **BMP No. E.2 / E.4**

**Brief Description of BMP:** The County's Rules and Regulations currently address NPDES Phase II stormwater quality and quantity goals. The County will review site plan submittals for developments outside incorporated areas within Macon County.

**Measureable Goal(s), including frequencies:** Perform site plan reviews for developments in urbanized unincorporated areas in Macon County. Site plan reviews will focus on stormwater controls meant to address post-construction stormwater BMP's. The County will notify the developer of design deficiencies.

**Milestones: Year 4:** Continue to enforce stormwater regulations.

Macon County has implemented a policy that when a new home is completed/ final the Planning & Zoning Department gives the homeowner a temporary occupancy permit until the lot is established with grass. A post construction inspection is conducted within a month or two after a temporary occupancy permit is issued. By keeping the building permit open, it allows us to still have control on the site if any erosion/ sediment need to be addressed. We have used this system for a year and it has worked very well. There has been one case where we have had to go back and make the landowner correct erosion problems after the house has been completed.

#### **BMP No. E.6**

**Brief Description of BMP:** The County's long-term inspection and maintenance program for stormwater BMPs will be evaluated and enhanced as necessary to ensure that responsible parties for maintenance of BMPs are performing the necessary tasks to keep the BMPs in working order.

**Measureable Goal(s), including frequencies:** Establish a local policy on the proper inspection and maintenance of long-term stormwater BMPs, such as detention ponds, swales, and other infrastructure to ensure they function adequately to control stormwater quality.

**Milestones: Year 4:** Continue to work with MCSWCD on an ongoing inspection program. Document deficient stormwater infrastructure and follow up with property owners.

This section is a change in our NOI permit. Macon County pulled out of the Memorandum of Understanding with MCSWCD in 2011 and has implemented their own inspection process for stormwater BMPs. Since the change, Macon County has inspected 5 detention ponds throughout the County.

**BMP No. E.2 / E.6**

**Brief Description of BMP:** The County's Rules and Regulations include guidelines that reference the 2002 Illinois Urban Manual. These guidelines will be used to give engineers and contractors the appropriate design tools to develop a design that meets basic stormwater quality requirements.

**Measureable Goal(s), including frequencies:** Enforce the technical guidance materials pertaining to the design, installation and maintenance of structural and non-structural water quality BMPs, as outlined in the 2002 Illinois Urban Manual.

**Milestones: Year 4:** Continue to enforce stormwater management technical guidelines as set forth in the 2002 Illinois Urban Manual.

Macon County inspects BMPs and technical guidelines on construction sites.

**BMP No. E.7**

**Brief Description of BMP:** Macon County will coordinate with MCSWCD to provide educational meetings for developers and engineers for the design, installation and maintenance of stormwater BMPs. Training sessions will be held by MCSWCD staff, and Macon County will post notices for these meetings.

**Measureable Goal(s), including frequencies:** Encourage developer/ engineer education by posting training opportunities related to the design, installation and maintenance of BMPs at County Buildings.

**Milestones: Year 4:** Coordinate with MCSWCD on BMP training programs. Post notices of training times/ dates at Macon County buildings.

Macon County and City of Decatur, along with Forsyth and Mt. Zion, joined forces to coordinate an educational training session in February for area engineers. We brought in a speaker from the International Erosion Control Association, Jennifer Hildebrand, for an 8 hour training on "How to Write an Effective SWPPP that Really Gets Installed." We targeted our area engineers first and had 20 attend. We were hoping for a better turnout although there was an IDOT training in the area at the same time.

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

### **BMP No. F.1**

**Brief Description of BMP:** Macon County will incorporate employee training on pollution prevention and good housekeeping techniques into its periodic safety meetings. Issues covered at the meeting will include fleet and building maintenance and stormwater system maintenance.

**Measureable Goal(s), including frequencies:** Provide one (1) training session annually to appropriate maintenance, operations, and engineering staff on stormwater pollution prevention and good housekeeping practices. The training will be held in conjunction with one of the County's bi-weekly safety meetings.

**Milestones: Year 4:** Continue employee training program.

No training was conducted for the Macon County Highway Employees.

### **BMP No. F.3**

**Brief Description of BMP:** The County currently washes their vehicles in closed facilities that drain to sanitary sewers. The County will continue its policy of prohibiting the washing to County vehicles in outdoor areas (areas which drain to the storm sewer system).

**Measureable Goal(s), including frequencies:** Continue enforcing policy that requires County vehicles be washed in a closed facility that drains to a sanitary sewer.

**Milestones: Year 4:** Continue to enforce the use of the designated wash facilities.

No changes were made in Year 3.

### **BMP No. F.3 / F.6**

**Brief Description of BMP:** Macon County currently uses road salt application devices which regulate the quantity of salt used to deice roads. The County also stores its roadway deicing salt in an enclosed facility which reduces salt loss from stormwater runoff.

**Measureable Goal(s), including frequencies:** Macon County will continue its use of road salt application devices and a salt dome to decrease the amount of salt pollution in stormwater runoff.

**Milestones: Year 4:** Continue to enforce the use of the designated wash facilities.

No changes were made in Year 3.

**ITEM F: CONSTRUCTION PROJECTS PAID FOR BY MACON COUNTY  
(That would have required an NPDES Construction Permit)  
MARCH 10, 2011 – MARCH 10, 2012**



The following projects in Macon County disturbed one acre of more between March 2012 and March 2013.

Structures:

1. County Highway 7 Baltimore over Finley Creek
2. Various drainage repair projects.