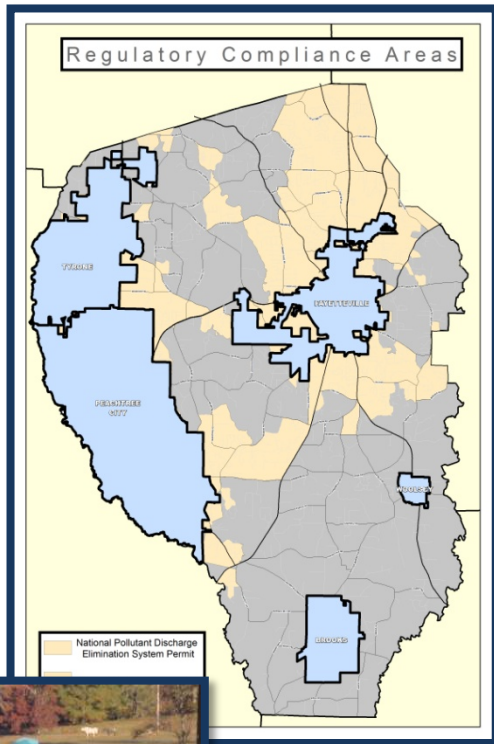


# Unincorporated Fayette County

Stormwater Management Program



**FAYETTE**  
*County*  
Create Your Story!

December 2019



February 2, 2018

Ms. Lisa Perrett, Environmental Specialist  
Environmental Protection Division  
Watershed Protection Branch  
Nonpoint Source Program, Storm Water Unit  
2 Martin Luther King, Jr. Dr. SE  
Suite 1152, East Tower  
Atlanta, GA 30334

SUBJECT: PHASE II MS4  
GENERAL NPDES PERMIT NUMBER GAG610000 FOR  
STORM WATER MANAGEMENT PROGRAM (SWMP)

Dear Ms. Perrett:

Please be advised that I, Eric Maxwell, Chairman of the Board of Commissioners of Fayette County, Georgia, authorize Ms. Vanessa Birrell, Director of Fayette County's Environmental Management Department, to act as signatory for Fayette County, Georgia's Small Municipal Separate Sewer System Storm Water Management Program (SWMP) and requirements thereof as required by EPD. Ms. Birrell shall serve as Fayette County's "Responsible Official" with respect to the requirements of the Storm Water Management Program (SWMP).

If you have any questions concerning this document, please contact Ms. Birrell at 770-305-5410.

Sincerely,



Randy Ognio, Vice Chairman  
Board of Commissioners  
Fayette County, Georgia

Cc: Vanessa Birrell



**STATE OF GEORGIA DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION**

**Storm Water Management Program (SWMP)**

General NPDES Permit No. GAG610000 for  
Small Municipal Separate Storm Sewer Systems (MS4)

**1. General Information**

- A. Name of small MS4: Fayette County, Georgia
- B. Name of responsible official: Vanessa Birrell, CFM  
Title: Director of Stormwater Management  
Mailing Address: 140 Stonewall Avenue West  
City: Fayetteville State: GA Zip Code: 30214  
Telephone Number: 770-305-5410
- C. Designated stormwater management program contact:  
Name: Vanessa Birrell, CFM  
Title: Director of Stormwater Management  
Mailing Address: 140 Stonewall Avenue West  
City: Fayetteville State: GA Zip Code: 30214  
Telephone Number: 770-305-5410  
Email Address: vbirrell@fayettecountyga.gov

**2. Sharing Responsibility**

- A. Has another entity agreed to implement a control measure on your behalf?  
Yes  No  (If no, skip to Part III)

Control Measure #1:

1. Name of entity \_\_\_\_\_
2. Control measure or component of control measure to be implemented by  
entity on your behalf:  
\_\_\_\_\_  
\_\_\_\_\_

- B. Attach an additional page if necessary to list additional shared responsibilities. **It is mandatory that you submit a copy of a written agreement between your MS4 and the other entity demonstrating written acceptance of responsibility.**

**3. Minimum Control Measures\* and Appendices**

- A. Public Education and Outreach
- B. Public Involvement/Participation
- C. Illicit Discharge Detection and Elimination
- D. Construction Site Stormwater Runoff Control
- E. Post-Construction Stormwater Management in New Development and Redevelopment
- F. Pollution Prevention/Good Housekeeping
- G. Appendix A – Enforcement Response Plan
- H. Appendix B – Impaired Waters

\* A minimum of two BMPs per minimum control measure is required.

**4. Certification Statement**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed Name: Vanessa Birrell, CFM Date: June 1, 2018

Signature:  Title: Director of Environmental Management

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## Minimum Control Measures

- A. Public Education and Outreach
- B. Public Involvement/Participation
- C. Illicit Discharge Detection and Elimination
- D. Construction Site Stormwater Runoff Control
- E. Post-construction Stormwater Management in New Development and Redevelopment
- F. Pollution Prevention/Good Housekeeping

## Appendices

- Appendix A – Enforcement Response Plan
- Appendix B – Impaired Waters





## A. Public Education and Outreach on Stormwater Impacts

40 CFR Part 122.34(b)(1) Requirement: The permittee must implement a public education program to distribute educational materials to the community and/or conduct equivalent outreach activities about the impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

The following BMPs are included as part of this stormwater minimum control measure:

- A.1 Elementary School Training
- A.2 Educational Programs for Residential Yard Maintenance
- A.3 Educational Programs on Stormwater Management Program
- A.4 Educational Program on Residential Septic Tank Maintenance



## A.1 Elementary School Training

1. Target Audience:

Elementary, Middle School and High School Students

2. Description of BMP:

The Fayette County Extension Office conducts educational programs yearly to youth ages 9-18. They offer at least one educational program to 5th grade students on water related issues dealing with aquifers, groundwater, and non-point source pollution and prevention techniques. Additionally, youth specialty programs such as the 4-H Environmental Club (5th-8th grade), the 4-H Homeschool Club (4th-12th grade), the Junior Master Gardener Program (3rd-5th grade), and the Wildlife Gardener program (3rd-5th grade) teach these concepts. The Fayette County Extension Service is a jointly-funded cooperative between the University of Georgia and the Fayette County Board of Commissioners.

Curriculum and training materials are developed by Project Wet, Junior Master Gardener and Wildlife Gardner Curriculum and correlated to Georgia Elementary Science Quality Core Curriculum. Instruction is provided by Fayette County Extension Service personnel and Extension volunteers. The Fayette County 4-H program delivers a one-hour, classroom-based science enrichment program to 5th grade classes in the county each month through the science program in the Fayette County School System. Water and erosion related classes comprise two of the monthly science enrichment classes during the school year.

3. Measurable Goal(s):

Present two educational programs per year to each class of 5th grade school children within the unincorporated Fayette County public school system.

4. Documentation to be submitted with each annual report:

- Program summary with the number of students reached
- Sign-in sheets

5. Schedule:

- |                               |          |
|-------------------------------|----------|
| a. Interim Milestone Dates:   | N/A      |
| b. Implementation Date:       | 2003     |
| c. Frequency of Actions:      | Annually |
| d. Month/Year of each Action: | Varies   |

6. Person responsible for overall management and implementation of the BMP:

Fayette County Extension Coordinator; Environmental Management Director

7. Rationale for choosing BMP and setting measurable goal(s):

Teaching youth can establish life-long habits of good environmental stewardship and students can further educate parents through transfer of information.

8. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

The number of student participants directly correlates with the number of families choosing to live in unincorporated Fayette County. This choice indicates a “high” quality of life that is analogous to “high” water quality.

## A.2 Educational Programs for Residential Yard Maintenance

1. Target Audience:

Homeowners within Fayette County

2. Description of BMP:

The Fayette County Extension Office conducts educational programs monthly to adults about landscape management, plant identification, turf fertilization and Integrated Pest Management (IPM). The Fayette County Extension Office educates adults on non-point pollution and prevention techniques in monthly horticulture programs. Topics include but are not limited to: promotion of soil testing, proper pest identification, proper plant selection, and instructions on use of fertilizers and pesticides. Additionally, adult specialty programs such as the Master Naturalist Program and the Master Gardener Extension Volunteer Program teach the importance of facilitating positive environmental impacts through education and volunteerism.

3. Measurable Goal(s):

Provide one training class on landscape management, turf fertilization, and IPM programs, or similar topic(s), per year.

Perform soil tests upon request of County residents.

Present applicable stormwater management concepts during Master Gardner and Junior Master Gardner courses.

4. Documentation to be submitted with each annual report:

- Program summary with the number of attendees reached and soil test performed
- Sign-in sheets

5. Schedule:

- |                               |  |
|-------------------------------|--|
| a. Interim Milestone Dates:   | None                                     |
| b. Implementation Date:       | 2003                                     |
| c. Frequency of Actions:      | Program review ongoing; classes annually |
| d. Month/Year of each Action: | Ongoing                                  |

6. Person responsible for overall management and implementation of the BMP:

Fayette County Extension Coordinator; Environmental Management Director

7. Rationale for choosing BMP and setting measurable goal(s):

There is general lack of knowledge on the use of fertilizers and pesticides among homeowners. The Fayette County Extension Service receives approximately 40 calls per month from Fayette County citizens concerning questions on proper pesticide and fertilizer applications.

The County currently has 90 certified Master Gardeners and approximately 20 are newly certified each year. The Master Gardeners are instructed in landscape, fertilization, and IPM programs in a train-the-trainer mode so that they can serve as resources to dispense knowledge to others. Junior Master Gardeners are presented with the educational materials needed for appropriate yard maintenance.

8. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

An increase in the number of attendees demonstrates the Master Gardener's interest and understanding that stormwater education is a vital part of their program goals.

### A.3 Educational Programs on Stormwater Management Program

1. Target Audience:

The Fayette County Board of Commissioners (BOC) and the public.

2. Description of BMP:

Annual presentations will be made to the Board of Commissioners to provide information about the stormwater management program. Special focus will be made on the minimum requirements of the NPDES Phase II general permit, progress to-date, and anticipated resource needs. When the annual presentation is made to the Board of Commissioners, a specific time will be set aside to encourage public comment and discussion. Presentations will normally be scheduled in February to allow sufficient time to incorporate resource needs into the next year's fiscal budget.

Information is available by attending the public meetings, reviewing meeting minutes (available through the Administrative Office and on the County web page), and newspaper coverage. Public participation is encouraged during the public comment period provided at all BOC meetings. In addition, public input is solicited during the mandatory public comment period required for any change to the Development Regulations.

3. Measurable Goal(s):

Provide at least one presentation per year to the BOC and public.

Maintain minutes of all meetings that discuss or address stormwater-related issues, include documentation of all public comment.

4. Documentation to be submitted with each annual report:

- BOC meeting agenda with minutes

5. Schedule:

- |                               |               |
|-------------------------------|---------------|
| a. Interim Milestone Dates:   | None          |
| b. Implementation Date:       | 2004          |
| c. Frequency of Actions:      | Once per year |
| d. Month/Year of each Action: | Varies        |

6. Person responsible for overall management and implementation of the BMP:

Environmental Management Director

7. Rationale for choosing BMP and setting measurable goal(s):

This BMP is a mechanism to inform both the public and the Board of Commissioners of the County's stormwater management program.

8. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Record the number of Commissioners and public comments during the meeting. The more interaction recorded will show an increased awareness of stormwater issues.



#### **A.4 Educational Program on Residential Septic Tank Maintenance**

1. Target Audience:

Property owners with homes served by septic tanks.

2. Description of BMP:

Provide educational information on proper maintenance and care of residential septic tanks. Distribute a septic care and maintenance informational brochure to homeowners within the unincorporated county that is operating on a septic tank.

3. Measurable Goal(s):

Conduct one septic tank mailing per year to reach at least 80 percent of homes with residential septic tanks.

4. Documentation to be submitted with each annual report:

- The septic tank mailer (flyer)
- Documentation of the number mailed

5. Schedule:

- |                               |          |
|-------------------------------|----------|
| a. Interim Milestone Dates:   | None     |
| b. Implementation Date:       | 2010     |
| c. Frequency of Actions:      | Annually |
| d. Month/Year of each Action: | Ongoing  |

6. Person responsible for overall management and implementation of the BMP:

Environmental Management Director

7. Rationale for choosing BMP and setting measurable goal(s):

Fayette County does not have a wastewater treatment plant. Over 90 percent of homeowners operate on septic systems. Educating homeowners about proper septic tank maintenance procedures versus the cost and consequences of correcting a failed system can motivate the target audience to perform proper maintenance.

8. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Effectiveness can be demonstrated if the number of reported sewer failures decrease.



## B. Public Involvement / Participation

40 CFR Part 122.34(b)(2) Requirement: You must, at a minimum, comply with State, Tribal, and local public notice requirements when implementing a public involvement/participation program.

The following BMPs are included as part of this stormwater minimum control measure:

- B.1 Community Clean-up and Improvement
- B.2 Environmental Reporting Hotline
- B.3 Citizen Science/Volunteer Monitoring
- B.4 Recycling Facility



## **B.1 Community Clean-Up and Improvement**

1. Target Audience:

Fayette County citizens, business owners, local schools, churches, civic organizations, and homeowner associations interested in participating in hands-on volunteer activities aimed at improving water quality.

2. Description of BMP:

Conduct an annual stream or lake clean-up activity with a goal of improving water quality and educating volunteers about stormwater management.

3. Measurable Goal(s):

Conduct at least one community clean-up/improvement activity each year.

4. Documentation to be submitted with each annual report:

- Event flyer
- Sign-in sheet

5. Schedule:

- a. Interim Milestone Dates: None
- b. Implementation Date: 2005
- c. Frequency of Actions: Once per year
- d. Month/Year of each Action: Varies

6. Person responsible for overall management and implementation of the BMP:

Environmental Management Director

7. Rationale for choosing BMP and setting measurable goal(s):

Public involvement in the in stormwater management program has many benefits, including having a captive audience to education and sources of labor for field activities. In addition, these types of activities allow participants to see, first hand, the negative impacts of illicit discharges, litter, erosion and sedimentation on water quality.

8. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit?

Track the number of attendees at each event. An increase in participation will show an increased awareness of how stormwater best management practices improves water quality.



## B.2 Environmental Reporting Hotline

1. Target Audience:

Businesses and public

2. Description of BMP:

Provide an Environmental Reporting Hotline on the Environmental Management Department website that will give residents an avenue to report any suspicious activities they could potentially affect water quality. Any person can report suspicious activities via the hotline phone (770) 305-5410, email ([emd@fayettecountyga.gov](mailto:emd@fayettecountyga.gov)), or report suspected discharge on the IDDE reporting webpage.

[http://www.fayettecountyga.gov/environmental\\_management/index.htm](http://www.fayettecountyga.gov/environmental_management/index.htm)

[https://fayettecountyga.gov/environmental\\_management/report-suspected-discharge](https://fayettecountyga.gov/environmental_management/report-suspected-discharge)

Educational material will be provided on the Fayette County web site describing activities that negatively affect watersheds; when citizens should report suspicious activities; and helpful information to report. Material will include illegal discharges examples; improper disposal of wastes as it relates to non-point source pollution; performing land disturbance and the potential negative effects on water quality.

3. Measurable Goal(s):

Respond to 100% of complaints and provide educational material on the County's web page regarding activities that can negatively impact Fayette County's watersheds and information on how to protect watersheds.

4. Documentation to be submitted with each annual report:

- Website analytics for the Fayette County IDDE reporting webpage
- Number of reports from hotline phone/email/reporting webpage

5. Schedule:

- |                               |                                 |
|-------------------------------|---------------------------------|
| a. Interim Milestone Dates:   | None                            |
| b. Implementation Date:       | 2005                            |
| c. Web page:                  | 2006                            |
| d. Frequency of Actions:      | continual                       |
| e. Month/Year of each Action: | Ongoing throughout permit cycle |

6. Person responsible for overall management and implementation of the BMP:

Environmental Management Department

7. Rationale for choosing BMP and setting measurable goal(s):

There is a general lack of knowledge regarding the improper disposal of wastes and how land disturbance without proper BMPS impacts water quality.

8. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Track the number of website visits and compared to the number of complaints received via reporting hotline/reporting web link.



### B.3 Citizen Science/Volunteer Monitoring

1. Target Audience:

Students throughout Fayette County.

2. Description of BMP:

Establish an Adopt-a-Stream program. The first event will be offered by the Extension's new coordinator who has established previous Adopt-a-Stream programs. The first year the initial intro in Adopt-a-Stream will be *Stream Ecology and Protecting our Streams/Watersheds*. Depending on its success teams will be established to perform quarterly monitoring on watersheds within the County.

3. Measurable Goal(s): Establish an Adopt-a-Stream program performing monitoring on watersheds within the county, providing at least 1 training session annually.

4. Documentation to be submitted with each annual report:

- Sign-in sheets
- Site monitoring forms

5. Schedule:

- e. Interim Milestone Dates: None
- f. Implementation Date: 2018
- g. Frequency of Actions: Once per year
- h. Month/Year of each Action: Varies

6. Person responsible for overall management and implementation of the BMP:

Environmental Management Director

7. Rationale for choosing BMP and setting measurable goal(s):

Student participation in the Adopt-a-Stream has many benefits, including having a captive audience to educate and promote ownership of watersheds near where they live. In addition, these types of activities allow participants to see, first hand, the negative impacts of illicit discharges, litter, erosion and sedimentation on water quality.

8. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit?

Track the number of volunteers. An increase in participation will show an increased awareness of how stormwater best management practices improves water quality.



#### **B.4 Recycling Facility**

1. Target Audience: Residents of Fayette County who do not have curbside trash and/or recycling service.
2. Description of BMP: Offer free single stream and metal recycling services to Fayette County residents at the Fayette County Transfer Station. The Transfer Station is operated by a third party waste management company that tracks the recyclables by tonnage.
3. Measurable Goal(s): Track the weight of recycled material at the Fayette County Recycling Center.
4. Documentation to be submitted with each annual report:
  - Annual tonnage report for recyclables
5. Schedule:
  - i. Interim Milestone Dates: None
  - j. Implementation Date: 2018
  - k. Frequency of Actions: Once per year
  - l. Month/Year of each Action: Varies
6. Person responsible for overall management and implementation of the BMP:  
Environmental Management Director
7. Rationale for choosing BMP and setting measurable goal(s):
8. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit?

Compare the annual volume of recycled material to previous year(s). An increase in participation will demonstrate an increased awareness among residents of the importance of recycling household waste.



## C. Illicit Discharge Detection and Elimination

40 CFR Part 122.34(b) (3) Requirement: You must develop, implement and enforce a program to detect and eliminate illicit discharges into your small MS4. You must:

- A) Develop, if not already completed, a storm sewer system map, showing the location of all outfalls and the names and location of all waters of the State that receive discharges from those outfalls;
- B) Effectively prohibit, through ordinance, or other regulatory mechanism, non-stormwater discharges into your storm sewer system and implement appropriate enforcement procedures and actions;
- C) Develop and implement a plan to detect and address non-stormwater discharges, including illegal dumping, to your system; and
- D) Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste.

The following BMPs are included as part of this stormwater minimum control measure:

- C.1 Legal Authority
- C.2 Outfall Map and Inventory
- C.3 IDDE Plan
- C.4 Education
- C.5 Complaint Response



## C.1 Legal Authority

1. Description of BMP:

Develop and adopt an IDDE ordinance that prohibits non-stormwater discharges to the MS4 and annually evaluate the adopted ordinance, and if necessary, modify the existing ordinance. The County's most recent illicit discharge and illegal connection ordinance was adopted on March 22, 2018.

2. Measurable Goal(s):

Annually evaluate the IDDE ordinance and implement appropriate enforcement action of the Ordinance.

3. Schedule:

- |                               |              |
|-------------------------------|--------------|
| a. Milestone Dates:           | None         |
| b. Implementation Date:       | January 2005 |
| c. Frequency of Action:       | Continually  |
| d. Month/Year of each action: | N/A          |

4. Documentation to be submitted with each annual report:

- Staff meeting agenda & memo
- Ordinance revisions (as applicable.)

5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management.

6. Rationale for choosing BMP and setting measurable goal(s):

A regulatory mechanism was needed to detect illicit discharges within Fayette County and to impose sanctions in order to ensure compliance.

7. How will you determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Track the number of illicit discharges. A decrease in discharges demonstrates compliance and enforcement of the Fayette County IDDE ordinance.





## C.2 Outfall Map and Inventory

### 1. Description of BMP:

Develop and update an inventory and map of the County MS4 outfalls. Outfalls are defined as the most downstream point (i.e., final discharge point) on an MS4 where it discharged to waters of the State. Inventory updates will occur when new outfalls are identified during both plan and routine field inventory and subsequently added to the outfall inventory and map.

### 2. Measurable Goal(s):

Annually update the outfall inventory and map by providing the number of outfalls added and inspected to the storm sewer map during the reporting period along with the total number of outfalls.

### 3. Schedule:

- |                               |              |
|-------------------------------|--------------|
| a. Milestone Dates:           | None         |
| b. Implementation Date:       | Fall of 2004 |
| c. Frequency of Action:       | Continually  |
| d. Month/Year of each action: | N/A          |

### 4. Documentation to be submitted with each annual report:

- Outfall Map
- Excel file (Outfall Inventory)
- GIS geodatabase (Outfall inventory)

### 5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

### 6. Rationale for choosing BMP and setting measurable goal(s):

An inventory of the MS4 outfalls is a minimum requirement of the Georgia NPDES permit and a required step for subsequent pollution prevention goals.

### 7. How will you determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Track the number of outfalls added to the outfall inventory. A yearly increase in the number of outfalls inventoried will increase the number of known deficiencies in the MS4.



### C.3 IDDE Plan

1. Description of BMP:

Fayette County's IDDE Plan (Appendix A) is designed to detect, eliminate and prevent non-storm water discharges, including dumping, to the County's municipal storm sewer system. The IDDE program includes the following components:

- Outfall Screening- The outfall screening element includes the assessment of all County-owned or operated MS4 structures and periodic dry-weather screening of outfalls.
- Procedures for investigating illicit discharges that include sampling and investigative procedures.
- Procedures to ensure illicit discharges are eliminated.

2. Measurable goal(s):

Conduct inspections on the MS4 infrastructure so that 100 percent of outfalls are inspected within the 5-year permit term. At a minimum, five percent of all outfall structures will be inspected annually and reported to EPD.

Illicit discharge and illegal connection enforcement actions are implemented by the Environmental Management and/or Environmental Health Departments in accordance with the Fayette County Illicit Discharge and Illegal Connection Ordinance.

Track and report all illicit discharge customer-service requests providing 100 percent follow-up.

3. Documentation to be submitted with each annual report :

- Excel spreadsheet of inspected outfalls inspected annually and new outfalls added to the inventory
- Customer Service Request logs and associated documentation
- Documentation on any source-tracing activities conducted on illicit discharges found during the reporting period (if any)

4. Schedule:

- a. Interim milestone dates: N/A
- b. Implementation date: 2004
- c. Frequency of actions: Continually
- d. Month/Year of each action: N/A

5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

6. Rationale for choosing BMP and setting measurable goal(s):

An IDDE program is required for thorough and consistent detection and elimination of illicit discharges and/or dumping.

7. How will you determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

A decrease in the number of reported illicit discharges over time will demonstrate effectiveness of the IDDE plan and education initiatives.

## C.4 Education

1. Target Audience:

Public, businesses, and government employees

2. Description of BMP:

Implement an IDDE Education program through distribution of pertinent information regarding IDDE on the County IDDE webpage. Information will be provided enabling webpage visitors to recognize illicit discharges (or conditions that could lead to illicit discharges) and provide guidance on methods of addressing identified problems. Public education will center on recognizing an illicit discharge when observed and where to report the problem and what to do to prevent illicit discharges and how to respond in a case of a spill.

3. Measurable goal(s):

Provide educational material on the County's environmental reporting website page regarding illicit discharges and proper waste disposal.

4. Documentation to be submitted with each annual report:

- Website analytics for the Fayette County IDDE webpage

5. Schedule:

- |                               |        |
|-------------------------------|--------|
| a. Interim milestone dates:   | NA     |
| b. Implementation date:       | 2004   |
| c. Frequency of actions:      | annual |
| d. Month/Year of each action: | NA     |

6. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

7. Rationale for choosing BMP and setting measurable goal(s):

County employees that are in the field on a daily basis and have the greatest chance of discovering illicit discharges. Septic tank owners are not aware of the link between leaking septic systems and water quality. Most potential illicit-discharging generating businesses are unaware of their potential to pollute and how it affects water quality.

8. How will you determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

A decrease in the number of reported illicit discharges over time will demonstrate effectiveness of the IDDE plan and education initiatives.

## C.5 Complaint Response

1. Description of BMP:

The Fayette County Environmental Management Department's primary phone line serves as the hotline for receiving citizen concerns and questions regarding all environmental compliance issues, including illicit discharge concerns. The line is staffed during normal business hours and an answering machine records messages during non-business hours. The line is commonly used by the public. Questions and concerns are documented on a Customer Service Request (CSR) form and investigated by Field Technicians. The phone number (770-350-5410) is available in all County directories, Department business cards, and on the County's website.

2. Measurable goal(s):

The IDDE Plan (Appendix A) includes procedures for receiving, investigating and tracking status of illicit discharge complaints to ensure elimination of the pollution. All complaints will be investigated within 24 hours of receipt.

3. Documentation to be submitted with each annual report:

- Customer Service Request Logs and related documentation.

4. Schedule:

- |                               |            |
|-------------------------------|------------|
| a. Interim milestone dates:   | N/A        |
| b. Implementation date:       | 2004       |
| c. Frequency of actions:      | continuous |
| d. Month/Year of each action: | N/A        |

5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

6. Rationale for choosing BMP and setting measurable goal(s):

To maintain timely and uniform response procedures when investigating potential illicit discharges.

7. How will you determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

A decrease in the number of reported illicit discharges over time will demonstrate effectiveness of the IDDE plan and education initiatives.





## D. Construction Site Stormwater Runoff Control

40 CFR Part 122.34(b)(4) Requirement: The permittee must develop, implement, and enforce a program to reduce pollutants in any stormwater runoff to the MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Stormwater discharges from construction activity disturbing less than one acre must be included in the permittee's program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. The program must include:

- A) An ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance;
- B) Requirements for construction site operators to implement appropriate erosion and sediment control best management practices;
- C) Requirements for construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality;
- D) Procedures for site plan review which incorporate consideration of potential water quality impacts;
- E) Procedures for receipt and consideration of information submitted by the public; and,
- F) Procedures for site inspection and enforcement of control measures.

The following BMPs are included as part of this stormwater minimum control measure:

- D.1 Legal Authority
- D.2 Site Plan Review Procedures
- D.3 Inspection Program
- D.4 Enforcement Procedures
- D.5 Complaint Response
- D.6 Certification



## D.1 Legal Authority

### 1. Description of BMP:

Creation and implementation of an ordinance designed to require erosion and sediment controls at construction sites and impose sanctions for failure to comply with those controls. The County's most recent erosion and sediment control ordinance was adopted on November 10, 2016. Water quality concerns beyond those normally associated with ES&PC, specifically trash/construction debris, fuel storage, sanitary waste and concrete truck wash-out are regulated through the County's existing Litter Control and Illicit Discharge and Illegal Connection ordinances as well as the State's National Pollutant Discharge Elimination System (NPDES) stormwater permit for construction activities.

### 2. Measurable Goal(s):

Annually evaluate the ordinances, modify as necessary, and implement appropriate enforcement action of the Ordinance.

### 3. Schedule:

- |                               |              |
|-------------------------------|--------------|
| a. Interim Milestone Dates:   | None         |
| b. Implementation Date:       | January 2005 |
| c. Frequency of Action:       | Continually  |
| d. Month/Year of each action: | N/A          |

### 4. Documentation to be submitted with each annual report:

- Staff meeting agenda
- Ordinance revisions (as applicable)

### 5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

### 6. Rationale for choosing BMP and setting measurable goal(s):

A regulatory mechanism is required to have the authority to enforce properly installed and functioning erosion and sediment controls at construction sites and to impose sanctions in order to ensure compliance.

### 7. How will you determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

A decrease in the number of citations issued each year demonstrates compliance and enforcement of the Soil Erosion, Sedimentation and Pollution Control Ordinance.

## D.2 Site Plan Review Procedures

### 1. Description of BMP:

Any project requiring a land disturbance permit (LDP) must submit a Soil Erosion Sedimentation and Pollution Control (ES&PC) Plan to the Fayette County Environmental Management Department prior to issuance of the LDP. The plan must meet all requirements of the Georgia Soil and Water Conservation Commission (GSWCC) and Fayette County's ES&PC ordinance, which includes the entire range of BMPs detailed in the current edition of *The Manual for Erosion and Sediment Control in Georgia*.

Conduct preconstruction meetings with developers/builders of residential subdivisions and commercial sites to review site-specific erosion control requirements, confirm responsibilities and ensure erosion control and pollution prevention measures are installed prior to any grading activities. Preconstruction meetings must be attended by all who oversee or who are performing land disturbance activities prior to a land disturbance permit being issued.

Best management practices and restrictions associated with potential pollutants are addressed in ES&PC plans and discussed during pre-construction meetings. In addition, Fayette County requires developers to post an ES&PC maintenance bond ensuring maintenance of required erosion and sediment control measures for a period of two years as a condition of final plat approval.

### 2. Measurable Goal(s):

Review 100 percent of submitted site plans for conformance with the GSWCC and the ES&PC ordinance requirements prior to issuing a LDP;

Record the number of plans reviewed and LDPs issued; and,

Confirm minimum controls/requirements for trash/construction debris, fuel storage, sanitary waste, and concrete truck wash-out are called out within site plan prior to approval.

### 3. Schedule:

- |                               |                               |
|-------------------------------|-------------------------------|
| a. Interim Milestone Dates:   | None                          |
| b. Implementation Date:       | Implemented already (ongoing) |
| c. Frequency of Actions:      | Every plan review             |
| d. Month/Year of each Action: | Ongoing                       |

### 4. Documentation to be submitted with each annual report:

- List of site plans reviewed, approved, or denied along with LDPs issued
- Pre-construction agendas

5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

6. Rationale for choosing BMP and setting measurable goal(s):

Calling out documenting BMP actions during the plan review process helps ensure the effective application of ES&PC measures and prevents adverse impact on water quality.

7. How will you determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Track the number of times a set of plans is reviewed before approval. A decrease in the number of reviews for each plan demonstrates an increased awareness of Fayette County code.

### D.3 Inspection Program

1. Description of BMP:

This program will ensure that structural and non-structural erosion and sediment control BMPs at construction sites are properly designed and maintained and that construction site waste is properly controlled. Inspections will be performed by an inspector with a GSWCC Level 1B certification.

2. Measurable Goal(s):

Inspect all construction sites at least 3 times (e.g. following installation of initial BMPS, during active construction, and after final stabilization).

3. Schedule:

- a. Interim Milestone Dates: None
- b. Implementation Date: 2005
- c. Frequency of Actions: As needed
- d. Month/Year of each Action: As needed

4. Documentation to be submitted with each annual report:

- List of all sites and erosion and sediment control inspections made during the reporting period

5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

6. Rationale for choosing BMP and setting measurable goal(s):

Reinforce the expectation and understanding of requirements for construction site operators implementing erosion and sediment control best management practices.

7. How will you determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

The higher number of attendees at preconstruction meetings should correlate to a decrease in the number of Notice-of-Violations and stop-work orders issued at an individual project site.





#### D.4 Enforcement Procedures

1. Description of BMP:

Enforce proper installation and maintenance of erosion and sediment control BMPs on all construction sites using GSWCC Level 1B certified inspectors. The County will enforce ordinance procedures as outlined in the *Enforcement Response Plan* (Appendix B) for violations.

2. Measurable Goals:

Track the number of enforcement actions taken: Notice-of Violations, Stop-Work Orders; and citations;

3. Schedule:

- |                               |           |
|-------------------------------|-----------|
| a. Interim Milestone Dates:   | None      |
| b. Implementation Date:       | Ongoing   |
| c. Frequency of Actions:      | Continual |
| d. Month/Year of each Action: | Continual |

4. Documentation to be submitted with each annual report:

- List of all Notice of Violations, Stop Work Orders, and citations (by site) issued

5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

6. Rationale for choosing BMP and setting measurable goal(s):

Implement regulatory and compliance mechanisms relative to erosion and sediment controls on construction sites and establish procedures for site inspection and enforcement of control measures.

7. How will you determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Track the number of site visits and re-inspections. A decrease in re-inspections demonstrates increased awareness of the importance of proper installation and maintenance of erosion and sediment control BMPs.



## D.5 Complaint Response

1. Description of BMP:

The Fayette County Environmental Management Department's primary phone line serves as the hotline for receiving citizen complaints and questions regarding all environmental compliance issues, including erosion and sedimentation concerns. The line is staffed during normal business hours and an answering machine records messages during non-business hours. The line is commonly used by the public. Questions and concerns are documented on a Customer Service Request (CSR) form and investigated by field technicians. The phone number (770-305-5410) is available in all county directories, department business cards, and on the county's website.

2. Measurable Goals:

Track the number of CSRs by type, respond within two business days, and maintain a 100 percent follow-up rate.

3. Schedule:

- |                               |           |
|-------------------------------|-----------|
| a. Interim Milestone Dates:   | None      |
| b. Implementation Date:       | Ongoing   |
| c. Frequency of Actions:      | Continual |
| d. Month/Year of each Action: | Continual |

4. Documentation to be submitted with each annual report:

- List of all erosion, sedimentation, and pollution customer service requests.

5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

6. Rationale for choosing BMP and setting measurable goal(s):

To maintain timely and uniform response procedures for erosion, sedimentation and pollution customer service requests.

7. How will you determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Track the number of customer service requests for erosion and sediment control. A decrease in customer service requests demonstrates an increased awareness of the importance of proper installation and maintenance of ES&P BMPs.



## D.6 Certification

1. Description of BMP:

Ensure all county staff involved in construction activities subject to NPDES construction general permits are trained and certified in accordance with the rules adopted by the GSWCC.

2. Measurable Goals:

Ensure all county staff involved in construction activities subject to NPDES construction general permits are trained and certified in accordance with the rules adopted by the GSWCC.

3. Schedule:

- a. Interim Milestone Dates: None
- b. Implementation Date: Ongoing
- c. Frequency of Actions: Continual
- d. Month/Year of each Action: Continual

4. Documentation to be submitted with each annual report:

- List of the County employee name, GSWCC Certification ID and type of certification(s) taken directly from the GSWCC website

5. Person responsible for overall management and implementation of the BMP:

Environmental Management Department

6. Rationale for choosing BMP and setting measurable goal(s):

Certification is required as part of the NPDES Phase II General Permit.

7. How will you determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Track the number of certified staff. Staff certification proper plan review, inspection and enforcement actions are implemented according to the Soil Erosion, Sedimentation and Pollution Control ordinance and the Enforce Response Plan (Appendix B.)



## E. Post-Construction Stormwater Management and New Development and Redevelopment

40 CFR Part 122.34(b)(5) Requirement: The permittee must develop, implement, and enforce a program to address stormwater runoff into the MS4 from new development and redevelopment projects, including projects less than one acre if they are part of a larger common plan of development or sale. You must:

Develop and implement strategies which include a combination of structural and/or non-structural BMPs appropriate for your community;

Use an ordinance or other regulatory mechanism to address post-construction runoff from new development or redevelopment projects; and,

Ensure adequate long-term operation and maintenance of BMPs.

The following BMPs are included as part of this stormwater minimum control measure:

- E.1 Legal Authority
- E.2 Inventory
- E.3 Inspection Program
- E.4 Maintenance Program
- E.5 GI/LID Structures
- E.6 GI/LID Program
- E.7 GI/LID Inspection and Maintenance Program





## E.1 Legal Authority

### 1. Description of BMP:

Creation and implementation of a Post-Development Stormwater Management in New Development and Redevelopment ordinance to control adverse effects of increased post-development stormwater runoff and nonpoint source pollution associated with new development and redevelopment. The County's most recent Post-Development Stormwater Management in New Development and Redevelopment ordinance was adopted on August 26, 2010. Adopted by reference within this ordinance are requirements to meet standards outlined in the Georgia Stormwater Management Manual.

### 2. Measurable Goal(s):

Annually evaluate the ordinance and modify as necessary and implement appropriate enforcement action of the Ordinance.

### 3. Documentation to be submitted with each annual report:

- Staff meeting agenda and memo
- Ordinance revisions (as applicable)

### 4. Schedule:

- |                               |             |
|-------------------------------|-------------|
| a. Interim Milestone Dates:   | None        |
| b. Implementation Date:       | August 2005 |
| c. Frequency of Actions:      | Continually |
| d. Month/Year of each Action: | N/A         |

### 5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

### 6. Rationale for choosing BMP and setting measurable goal(s):

A regulatory mechanism enables the county to control the adverse effects of increased post-development stormwater runoff and non-point source pollution associated with new development and redevelopment.

### 7. How will you determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Track the number of times a set of plans does not comply with standards detailed in the Post-Development Stormwater Management in New Development and Redevelopment ordinance before final approval. A decrease in reviews for each plan set demonstrates

an increased awareness of Post-Development Stormwater Management in New Development and Redevelopment requirements.

## E.2 Inventory

### 1. Description of BMP:

Update, as needed, the inventory of all county-owned post-construction stormwater management structures (e.g. detention/retention ponds, water quality vaults, infiltration structures) and privately-owned structures designed after the December 9, 2008 adoption of the Post Development Stormwater Management for New Development and Redevelopment ordinance that incorporates the Georgia Stormwater Management Manual requirements.

### 2. Measurable Goal(s):

Annually update the inventory as new structures are completed or existing structures are identified.

### 3. Documentation to be submitted with each annual report :

- List of county-owned post-construction stormwater management structures and privately-owned structures designed after the adoption of the Georgia Stormwater Management Manual in 2008.

### 4. Schedule:

- |                               |             |
|-------------------------------|-------------|
| a. Interim Milestone Dates:   | None        |
| b. Implementation Date:       | 2005        |
| c. Frequency of Actions:      | Continually |
| d. Month/Year of each Action: | N/A         |

### 5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

### 6. Rationale for choosing BMP and setting measurable goal(s):

An inventory program is required as part of the NPDES Phase II General Permit.

### 7. How will you determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

An increase in the number of maintained water quality structures demonstrates a positive effect on stormwater quality in the county.



### E.3 Inspection Program

1. Description of BMP:

Conduct inspections of all post-construction stormwater management structures as required in BMP No. E.2. Require Inspection and Maintenance Agreements and Operation and Maintenance Plans for all new developments and redevelopments, as applicable, so that 100 percent of the structures are inspected within the permit term.

Inspections are conducted by county inspectors using the inspection checklist submitted with the Operations and Maintenance Plan for each stormwater management facility.

2. Measurable Goal(s):

The county will inspect 100% of all post-construction stormwater management structures on the inventory required in BMP No. 2 structures within the 5-year permit term, with at least 5% being inspected annually.

3. Documentation to be submitted with each annual report:

- County inspector completed inspection checklists

4. Schedule:

- |                               |             |
|-------------------------------|-------------|
| a. Interim Milestone Dates:   | None        |
| b. Implementation Date:       | 2005        |
| c. Frequency of Actions:      | Continually |
| d. Month/Year of each Action: | N/A         |

5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

6. Rationale for choosing BMP and setting measurable goal(s):

An inspection program is required as part of the NPDES Phase II General Permit.

7. How will you determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Track the number inspections on the permitted and county-owned stormwater management structures. An increase in maintenance compliance will have a positive effect on stormwater quality in the county.



## E.4 Maintenance Program

### 1. Description of BMP:

Fayette County requires all new and redeveloped privately-owned facilities to submit an Operations and Maintenance (O&M) plan for post-construction stormwater management structures and an annual maintenance report. Each facility is then inspected by staff to ensure proper maintenance is performed. All publicly owned ponds are inspected and maintained per the GSMM O&M guidance documents.

An Inspection & Maintenance Agreement as well as performance/maintenance bonds are required of all new developments and redevelopments to ensure the O&M plan is implemented. As outlined in the ERP, the stormwater management ordinance provides for enforcement action against the property owner if the O&M Plan is not properly implemented.

### 2. Measurable Goal(s):

Annually require operations and maintenance plans and inspection and maintenance agreements for all new developments and redevelopments, as applicable and confirm that operations and maintenance plans are implemented to ensure proper stormwater facility operation.

### 3. Documentation to be submitted with each annual report:

- Work orders for publicly owned facilities
- List execution dates of inspection and maintenance agreements; dates of existing annual inspection reports received
- Annual inspections reports

### 4. Schedule:

- |                               |               |
|-------------------------------|---------------|
| a. Interim Milestone Dates:   | None          |
| b. Implementation Date:       | December 2006 |
| c. Frequency of Actions:      | N/A           |
| d. Month/Year of each Action: | N/A           |

### 5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

### 6. Rationale for choosing BMP and setting measurable goal(s):

A maintenance program is required as part of the NPDES Phase II General Permit.

7. How will you determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Track the maintenance performed on structures listed on the inventory list required in E.2. An increase in maintenance demonstrates a positive effect on stormwater quality in the county.



## E.5 GI/LID Structure Inventory

1. Description of BMP:

Develop an inventory of water quality-related GI/LID structures located within the permitted area and constructed after December 6, 2012. This inventory includes the total number of GI/LID structures.

2. Measurable Goal(s):

Annually update the GI/LID inventory when new water quality-related GI/LID structures are identified through the plan review process.

3. Documentation to be submitted with each annual report :

- List of the GI/LID Structures constructed in the permitted areas after December 6, 2012

4. Schedule:

- |                               |              |
|-------------------------------|--------------|
| a. Interim Milestone Dates:   | None         |
| b. Implementation Date:       | January 2015 |
| c. Frequency of Actions:      | Continually  |
| d. Month/Year of each Action: | N/A          |

5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

6. Rationale for choosing BMP and setting measurable goal(s):

A list of the GI/LID Structures is required as part of the NPDES Phase II General Permit.

7. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Track the number GI/LID structures permitted structures. An increase in structures should have a positive effect on stormwater quality in the permitted area.



## E.6 GI/LID Program

### 1. Description of BMP:

The GI/LID is used to outline the evaluation, implementation, and maintenance procedures for GI/LID techniques and practices in Fayette County. Program implementation is designed to reduce stormwater runoff and pollution and help restore the natural water cycle through promotion of stormwater management practices that capture, infiltrate, or evapotranspire stormwater.

### 2. Measurable Goal(s):

Develop and implement a GI/LID program that list structures that can be permitted; procedures for evaluating feasibility and site applicability of different techniques; and procedures for the inspection and maintenance of GI/LID structures. Annually review and update the program as needed.

### 3. Documentation to be submitted with each annual report:

- Revisions to the GI/LID program guide as applicable

### 4. Schedule:

- |                               |                   |
|-------------------------------|-------------------|
| a. Interim Milestone Dates:   | February 15, 2020 |
| b. Implementation Date:       | January 2020      |
| c. Frequency of Actions:      | continuous        |
| d. Month/Year of each Action: | N/A               |

### 5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

### 6. Rationale for choosing BMP and setting measurable goal(s):

A GI/LID Program is required as part of the NPDES Phase II General Permit.

### 7. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Track the number GI/LID structures permitted structures. An increase in structures should have a positive effect on stormwater quality in the permitted area.



## E.7 GI/LID Inspection and Maintenance Program

### 1. Description of BMP:

Conduct inspections of all GI/LID structures (private and public) as required in BMP No. 5.a., so that 100 percent of the structures are inspected within the permit term.

Inspections are conducted by county inspectors using the inspection checklist found in the most up-to-date Georgia Stormwater Management Manual and checklist will guide any required maintenance to be performed.

### 2. Measurable Goal(s):

The county will inspect 100% of all GI/LID structures on the inventory within the 5-year permit term, with at least 5% being inspected annually.

### 3. Documentation to be submitted with each annual report:

- Annual inspections reports for both privately/publicly-owned GI/LID structures
- Maintenance documentation (if any)

### 4. Schedule:

- |                               |                   |
|-------------------------------|-------------------|
| e. Interim Milestone Dates:   | February 15, 2020 |
| f. Implementation Date:       | January 2020      |
| g. Frequency of Actions:      | continuous        |
| h. Month/Year of each Action: | N/A               |

### 5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

### 6. Rationale for choosing BMP and setting measurable goal(s):

A GI/LID Inspection and Maintenance Program is required as part of the NPDES Phase II General Permit.

### 7. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Track the number GI/LID structures maintained throughout the year. An increase in structures should have a positive effect on stormwater quality in the permitted area.



## F. Pollution Prevention/Good Housekeeping for Municipal Operations

40 CFR Part 122.34(b)(6) Requirement: The permittee must develop and implement an operation and maintenance program that includes a training component and has the goal of preventing or reducing pollutant runoff from municipal operations. Using training materials available from the USEPA and other organizations as guidance, the permittee must, as a part of this program, include employee training to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance.

The following BMPs are included as part of this stormwater minimum control measure:

- F.1 MS4 Infrastructure Inventory and Map
- F.2 MS4 Inspection Program
- F.3 MS4 Maintenance Program
- F.4 County Road Cleaning
- F.5 Employee Training
- F.6 Waste Disposal
- F.7 New Flood Management Projects
- F.8 Existing Flood Management Projects
- F.9 Municipal Facilities





## F.1 MS4 Infrastructure Inventory and Map

### 1. Description of BMP:

Develop and maintain an inventory (e.g. catch basin, raised lid inlets, grate inlets, headwalls, pipes, ditches, and stormwater ponds) and map of the MS4 control structures including ditches in county right-of-way.

### 2. Measurable Goal(s):

Annually update MS4 control structure inventory and map through inspection of existing structures and newly added structures during the reporting period. Additionally, ditches within the permitted area will be mapped and annually reviewed to ensure new ditches are included.

### 3. Documentation to be submitted with each annual report:

- An GIS inventory map
- Inventory data in excel format of all inventoried structures

### 4. Schedule:

- a. Interim Milestone Dates:
- b. Implementation Date: Fall of 2004
- c. Frequency of Action: Continually
- d. Month/Year of each action: N/A

### 5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

### 6. Rationale for choosing BMP and setting measurable goal(s):

An inventory of the MS4 is a minimum requirement of the Georgia NPDES permit and a required step for subsequent pollution prevention goals. Maintaining an up-to-date inventory is an effective means to track operations and stormwater management needed within the permitted area.

### 7. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Track the number of structures inventoried. A yearly increase in the number of structures inventoried should increase the number of known deficiencies in the MS4.



## F.2 MS4 Inspection Program

1. Description of BMP:

Develop and implement inspection program of MS4 structures so 100 percent of the structures are inspected within a five-year period. County staff will inspect the MS4 structures, document date and structure condition, and input into MS4 GIS database using a handheld device.

2. Measurable Goal(s):

Annually conduct inspections on the MS4 control structures so that 100 percent of the structures are inspected within the five-year period.

3. Documentation to be submitted with each annual report:

- Excel-formatted GIS data listing structures inspected during the reporting period
- A summary of the inspections will list the number and the percentage of structures inspected during the reporting period

4. Schedule:

- |                               |              |
|-------------------------------|--------------|
| a. Interim Milestone Dates:   | None         |
| b. Implementation Date:       | Fall of 2004 |
| c. Frequency of Action:       | Annual       |
| d. Month/Year of each action: | N/A          |

5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

6. Rationale for choosing BMP and setting measurable goal(s):

Inspection of the MS4 is a minimum requirement of the Georgia NPDES permit and a required step for subsequent pollution prevention goals. Inspecting infrastructure inventory is an effective means to track maintenance and stormwater management problems within the permitted area.

7. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

As maintenance is performed over time, the number of work orders decreases the reciprocal of which is the number of functioning stormwater structures increases.



### F.3 MS4 Maintenance Program

1. Description of BMP:

During customer service request investigations and MS4 inventory, control structures in need of maintenance are identified and work orders are generated to ensure maintenance on the MS4 control structures.

2. Measurable Goal(s):

Conduct maintenance on MS4 infrastructures as prioritized based on public safety concern (high priority). Conduct 100% maintenance on high priority work orders throughout the year.

3. Documentation to be submitted with each annual report:

- Work orders
- List of stormwater pipes replaced

4. Schedule:

- |                               |                |
|-------------------------------|----------------|
| a. Interim Milestone Dates:   | None           |
| b. Implementation Date:       | Annual         |
| c. Frequency of Action:       | As prioritized |
| d. Month/Year of each action: | N/A            |

5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management/Director of Public Works

6. Rationale for choosing BMP and setting measurable goal(s):

Maintenance of the MS4 is a minimum requirement of the Georgia NPDES permit and a required step for subsequent pollution prevention goals. Cleaning and replacing failing infrastructure is an effective means to reduce pollution in stormwater infrastructure and, consequently, in state waters.

7. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

The number of work orders issued due to flooding caused by clogged storm drains should decrease with time.



#### F.4 County Road Right-of-Way Cleaning

1. Description of BMP:

The county Road Department conducts road side clean ups on county-owned and maintained roads. These clean ups are conducted by Road Department staff and county inmates.

2. Measurable goal(s):

Annually conduct trash and litter removal on at least 1 mile of roads and rights-of-way as prioritized.

3. Documentation to be submitted with each annual report:

- List of roads and total distance cleaned

4. Schedule:

- |                               |                |
|-------------------------------|----------------|
| a. Interim milestone dates:   | None           |
| b. Implementation date:       | Annually       |
| c. Frequency of actions :     | As prioritized |
| d. Month/Year of each action: | N/A            |

5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management/Director of Public Works

6. Rationale for choosing BMP and setting measurable goal(s):

Removal of trash from road rights-of-way is a minimum requirement of the Georgia NPDES permit and reduces pollution reaching stormwater infrastructure and state waters.

7. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

A reduction in the weight of trash and litter collected demonstrates a positive effect on water quality within the county.





## F.5 Employee Training

1. Description of BMP:

The county will conduct pollution prevention and good housekeeping training on an annual basis where one session may serve multiple departments. The training shall include a review of pollution impacts on water quality and focus on practices that reduce the pollution risks associated with job-specific activities of county employees.

2. Measurable goal(s):

Conduct Fayette County Pollution Prevention training at least once a year.

3. Documentation to be submitted with each annual report:

- A sign-in sheet with date of training(s) and number of attendees.

4. Schedule:

- |                               |          |
|-------------------------------|----------|
| a. Interim milestone dates:   | NA       |
| b. Implementation date:       | Annually |
| c. Frequency of actions:      | Annually |
| d. Month/Year of each action: | NA       |

5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

6. Rationale for choosing BMP and setting measurable goal(s):

Pollution prevention for county employees training is a minimum requirement of the Georgia NPDES MS4 permit and one of the most important activities an MS4 permittee can perform to reduce pollution impacts generated from county operations.

7. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Documenting the number of pollution complaints received from public employees. An increase in complaints from county employees demonstrates their increased awareness of pollution and the need to prevent pollution.



## F.6 Waste Disposal

1. Description of BMP:

The county will properly dispose of waste removed from the MS4 collected during county road clean-ups and haul to the Fayette County inert landfill/transfer station.

2. Measurable goal(s):

Document waste removed from the MS4 and placed in the county inert landfill. 100% of the inert waste will be properly disposed in the Fayette County inert landfill/transfer station.

3. Documentation to be submitted with each annual report:

- Transfer station/Inert landfill tonnage report for MS4 waste

4. Schedule:

- |                               |          |
|-------------------------------|----------|
| a. Interim milestone dates:   | N/A      |
| b. Implementation date:       | Annually |
| c. Frequency of actions:      | Weekly   |
| d. Month/Year of each action: | N/A      |

5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management/Director of Public Works

6. Rationale for choosing BMP and setting measurable goal(s):

Waste disposal is minimum requirement of the Georgia NPDES permit.

7. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Documenting the number of waste complaints received from public employees. An increase in complaints from county employees demonstrates their increased awareness of pollution and the need to prevent pollution.



## F.7 New Flood Management Projects

1. Description of BMP:

The county will review proposed county-owned flood management projects during the design process to assess water quality impacts.

2. Measurable goal(s):

Ensure any proposed county-owned flood management projects and/or all new county facilities that add over 5000 sq. feet of impervious area or disturb over an acre meet water quality sizing criteria as outlined in the Georgia Stormwater Management Manual.

3. Documentation to be submitted with each annual report:

- Provide the number of plans for county-owned facilities reviewed for water quality sizing criteria as outlined in the Georgia Stormwater Management Manual.

4. Schedule:

- |                               |             |
|-------------------------------|-------------|
| a. Interim milestone dates:   | N/A         |
| b. Implementation date:       | Annually    |
| c. Frequency of actions:      | Continually |
| d. Month/Year of each action: | N/A         |

5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

6. Rationale for choosing BMP and setting measurable goal(s):

Water quality sizing criteria for new county-owned facilities is minimum requirement of the Georgia NPDES permit.

7. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Track the number of new flood management projects. An increase in the number of structures should have a positive effect on stormwater quality in the County.



## F.8 Existing Flood Management Projects

1. Description of BMP:

The Environmental Management Department will review existing county-owned flood management projects for potential retrofitting using standards specified in the most updated Georgia Stormwater Management Manual.

2. Measurable goal(s):

One county-owned flood management project will be assessed annually for priority of potential retrofitting.

3. Documentation to be submitted with each annual report:

- Assessment of the county-owned flood management project

4. Schedule:

- |                               |             |
|-------------------------------|-------------|
| a. Interim milestone dates:   | N/A         |
| b. Implementation date:       | Annually    |
| c. Frequency of actions:      | Continually |
| d. Month/Year of each action: | N/A         |

5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

6. Rationale for choosing BMP and setting measurable goal(s):

Assessment of existing county-owned detention ponds for potential retrofitting to address water quality impacts is a minimum requirement of the Georgia NPDES permit.

7. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Track the number of retrofitted flood management projects. An increase in the number of structures should have a positive effect on stormwater quality in the County.





## F.9 Municipal Facilities

1. Description of BMP:

The county will implement the Good Housekeeping and Pollution Prevention Plan that addresses county facilities and activities having potential to cause pollution. (Attached)

2. Measurable goal(s):

Annually update the inventory of county facilities listed in the Pollution Prevention Plan and inspect 100% of the facilities within the 5-year permit period.

3. Documentation to be submitted with each annual report:

- Inspection reports of the county owned facilities.

4. Schedule:

- a. Interim milestone dates: N/A
- b. Implementation date: Annually
- c. Frequency of actions: Continually
- d. Month/Year of each action: N/A

5. Person responsible for overall management and implementation of the BMP:

Director of Environmental Management

6. Rationale for choosing BMP and setting measurable goal(s):

Ensuring that existing county-owned facilities or activities that have a potential to cause pollution are following correct pollution prevention procedures will help reduce negative water quality impacts and have a Pollution Prevention Plan is a minimum requirement of the Georgia NPDES permit.

7. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit:

Following the Pollution Prevention Plan should improve water quality over time.