

STATE OF GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

GEORGIA NOTICE OF INTENT (GaNOI)

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

I. General Information

- Ownership Status (Please check one):

X Municipal Separate Storm Sewer System
 Federal Facility
 State Facility

B. Name of small MS4: Fayette County, Georgia

C. Name of responsible official: Philip Mallon, P.E.
 Title: Director of Engineering
 Mailing Address: 140 Stonewall Avenue West
 Fayetteville, GA 30214
 Telephone Number: 770-460-5730 ext 5410

D. Designated stormwater management program contact:

Name: Philip Mallon, P.E.
Title: Director of Engineering
Mailing Address: 140 Stonewall Avenue West
 Fayetteville, GA 30214
Telephone Number: 770-460-5730 ext 5410
Email Address: pmallon@fayettecountyga.gov

II. Sharing Responsibility

A. Has another entity agreed to implement a control measure on your behalf?
 NO

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.** NOT APPLICABLE

III. For Federal or State-Owned MS4s – NOT APPLICABLE
(If you are a municipally owned MS4, skip to Part IV)

IV. Known or Suspected Water Quality Problems

- A. *The name(s) of the receiving waters to which your MS4 discharges (attach a separate list if necessary):* Flint River, Line Creek, Flat Creek, Camp Creek, and tributaries within these watersheds.
- B. *Indicate any receiving water stream segments to which your MS4 discharges, which are included on the 303(d) list:* Flint River (Woolsey Road to Horton Creek) – Fecal Coliform; Tributary to Nash Creek (Fayetteville) – Fecal Coliform; Whitewater Creek (Upstream of Lee's Lake) – Biota Impacted; Line Creek (Flat Creek to Flint River)- dissolved oxygen (all listed as partially supporting)
- C. *Describe any known or suspected water quality concerns within your jurisdictional area (e.g. stream siltation, 303(d) listed streams, habitat degradation, elevated levels of pollutants, etc.), including location (attach additional page(s) if necessary):* The 303(d) streams listed above are the only known water quality concerns. Pollutants of concern are bacteria (fecal coliform) and silt. Additional pollutants may be identified during implementation of this stormwater permit.
- D. *Indicate any stream segments to which your MS4 discharges which have a Total Maximum Daily Load (TMDL):* All four stream segments cited in Paragraph B above have TMDLs.
- E. *For those stream segments with a TMDL, indicate if you are participating in an approved TMDL Implementation Plan or have BMPs in place to address the pollutant(s) of concern:* All four stream segments cited in Paragraph B above have approved TMDL Implementation Plans in which Fayette County is an active participant employing appropriate BMPs as indicated in the attached NOI.

V. 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

VI. 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: Philip Mallon, P.E.

Date: 7/31/07

Signature: P. Mallon

Title: Director of Engineering

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. Revision Log

A. Public Education and Outreach on Stormwater Impacts

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

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

- Elementary School Training;
- Educational Programs for Residential Yard Maintenance;
- Educational Programs on Non-Point Source Pollution;
- Educational Programs on Residential Septic Tank Maintenance;
- Educational Programs on Illicit Discharges and Waste Disposal; and
- Public Meetings and Civic Club Presentations.

A.1. Elementary School Training

Target Audience

Elementary School Children

Description of BMP

The Fayette County Extension Service conducts two educational programs per year to 5th grade school children on water related issues dealing with aquifers, groundwater, and non-point source pollution and prevention techniques. The Fayette County Extension Service is a jointly-funded cooperative between the University of Georgia and the Fayette County Board of Commissioners.

The curriculum and materials used for the training are developed by University of Georgia Cooperative Extension Service and correlated to Georgia Elementary Science Quality Core Curriculum. Classroom training is provided by Fayette County Extension Service personnel and 4-H program volunteers. The Fayette County 4-H program delivers a one-hour, classroom based science enrichment program to every 5th grade class in the county each month through the science program in the Fayette County School System. All 5th grade students in Fayette County are reached through this program each month. Water related classes comprise two of the monthly science enrichment classes during the school year.

Measurable Goal(s):

- Present two educational programs per year to each class of 5th grade school children within the Fayette County public school system.
- Document the number of educational materials distributed to the schools and the number of classes, schools or students that participate in County-sponsored workshops or activities.

Schedule:

- Interim Milestone Dates:* None
- Implementation Date:* 2003
- Frequency of Actions:* Annually
- Month/Year of each Action:* Varies

Person responsible for overall BMP management and implementation:

Fayette County Extension Coordinator & 4-H Program Coordinator;
Senior Environmental Technician, Engineering Department

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

There is an existing lack of knowledge in water related issues for school children. Teaching children can establish life-long habits of good environmental stewardship and help educate parents through the knowledge the children bring to their homes.

A.2. Educational Programs for Residential Yard Maintenance

Target Audience:

Homeowners within Fayette County

Description of BMP:

Review landscape, turf fertilization and Integrated Pest Management (IPM) programs. Provide classes and workshops to promote soil testing and instruct homeowners on the proper use of fertilizers and pesticides.

Measurable Goal(s):

- Provide one training class on landscape management, turf fertilization, and IPM programs, or similar topic(s), per year.
- Perform soil tests each year, upon request of County residents.
- Present applicable stormwater management concepts during the County Master Gardner and Junior Master Gardner courses provided each year.

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

Person responsible for overall BMP management and implementation:

Fayette County Extension Coordinator & 4-H Program Coordinator;
Senior Environmental Technician, Engineering Department

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 has in excess of 90 certified Master Gardeners and trains approximately 20 new ones in a course conducted annually. The Master Gardeners are instructed in landscape, fertilization, and IPM programs in a train-the-trainer mode so that they may then serve as resources to dispense their knowledge to others. Junior Master Gardeners are presented with the educational materials needed for appropriate yard maintenance.

A.3. Educational Programs on Non-Point Source Pollution

Target Audience:

Homeowners Associations, Property owners

Description of BMP:

Sponsor outreach activities aimed at educating homeowners on environmental issues and regulations concerning non-point source pollution relating to ponds, yard maintenance, stormwater detention, pet waste, and other related issues frequently addressed by homeowner associations. Activities may include classes, workshops, web-based videos, newspaper articles or displays.

Measurable Goal(s):

- Provide two activities on non-point source pollution per year.

Schedule:

- Interim Milestone Dates:* None
- Implementation Date:* 2003
- Frequency of Actions:* Program review – ongoing; Classes – annually
- Month/Year of each Action:* Ongoing throughout permit cycle

Person responsible for overall BMP management and implementation:

Fayette County Extension Coordinator & 4-H Program Coordinator;
Senior Environmental Technician, Engineering Department

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

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

A.4. Educational Programs on Residential Septic Tank Maintenance

Target Audience:

Property owners with homes served by septic tanks

Description of BMP:

Provide educational workshops on the proper maintenance and care of residential septic tanks. Distribute a septic care and maintenance informational brochure to each homeowner within the county that is operating on a septic tank. Provide septic maintenance and care information on Fayette County's web site.

Measurable Goal(s):

- Conduct one septic tank workshop each year.
- Distribute informational packets to 80 percent of the new homes built within the unincorporated County, as tracked by Certificate-of-Occupancy permits.

Schedule:

- a. *Interim Milestone Dates:* None
- b. *Implementation Date:* Workshops – 2004; Information Distribution – 2003
- c. *Frequency of Actions:* Workshops – once per year; Information packets mailed to new building permit addresses.
- d. *Month/Year of each Action:* Ongoing

Person responsible for overall BMP management and implementation:

Fayette County Extension Coordinator & 4-H Program Coordinator;
Senior Environmental Technician, Engineering Department

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

Fayette County has approximately 19,000 homes with septic tanks and educational activities in the past have been well received by the population. Education on proper septic system care and maintenance is thought to be a cost effective means of controlling potential pollution from these systems.

Attachment A

BMP Submittal

(Use this for adding new BMPs to the GaNOI only)

Minimum Control Measure:

Educational Program on Residential Septic Tank Maintenance

Best Management Practice (BMP) #: A.4

1. Target audience (Public Education MCM only): **Property owners with homes served by septic tanks.**
2. Description of BMP:
Provide educational information on the proper maintenance and care of residential septic tanks. Distribute a septic care and maintenance informational brochure to each homeowner with the county that is operating on a septic tank. Provide septic care and maintenance information on Fayette County's Website.
3. Measurable Goal(s):
Conduct one septic tank mailing per year to reach at least 80 percent of homes with residential septic tanks.
Distribute information packets to 80 percent of new homes built within the unincorporated County, as tracked by Certificate-of-Occupancy permits.
4. Schedule:
 - a. Interim Milestone Dates (if applicable): None
 - b. Implementation Date (if applicable): 2010
 - c. Frequency of actions (if applicable): yearly
 - d. Month/Year of each action (if applicable): Ongoing
5. Person (position) responsible for overall management and implementation of the BMP: Environmental Technician, Stormwater Management Department.
6. Rationale for choosing the BMP and setting the measurable goal: Fayette County has approximately 21,000 homes built from 1960 to 1980 with septic tanks. Notifying home owners that they are at risk both financially and ? if septic tank failure occurs on their property and telling them proper septic tank maintenance procedures can motivate the target audience to perform proper

maintenance. Performing this educational information dissemination via utility bill distribution is an more effective way to reach a broader audience.

7. Date of this BMP submittal: **January 31, 2010**

A.5. Educational Programs on Illicit Discharges and Waste Disposal

Target Audience:

Public employees, businesses, general public

Description of BMP:

Review hazards associated with illegal discharges and improper disposal of wastes as it relates to non-point source pollution. Provide material to help educate the general public, businesses and County employees on proper disposal methods of wastes and current regulations of disposal of wastes. Discuss "illicit discharges."

Measurable Goal(s):

- Provide one class per year. Document the attendance at each class.
- Provide educational material on the County's web page regarding illicit discharges and waste disposal.

Schedule:

- Interim Milestone Dates:* None
- Implementation Date:* Classes – 2005
Web page – 2006
- Frequency of Actions:* Classes – annually
- Month/Year of each Action:* Ongoing throughout permit cycle

Person responsible for overall BMP management and implementation:

Fayette County Extension Coordinator & 4-H Program Coordinator;
Senior Environmental Technician, Engineering Department

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

There is a general lack of knowledge regarding the disposal of wastes and their impact on non-point source pollution. The Fayette County Extension Service receives approximately ten calls per month with questions regarding proper procedure for the disposal of wastes such as paint, old pesticides, motor oil and other liquid wastes.

A.6. Public Meetings and Civic Club Presentations

Target Audience:

The general public, civic clubs, churches, various organizations

Description of BMP:

Schedule public meetings to disseminate information and encourage public participation in the initial and ongoing stormwater plan implementation with focus on specific subjects in order to elicit public input in targeted areas of interest. Public meetings sponsored by Fayette County are advertised on the Fayette County web site and in local newspapers such as *The Citizen* or the *Fayette Daily News*. Meetings held in conjunction with an organization will be advertised and coordinated with the sponsoring club or group (e.g., Kiwanis Club).

Measurable Goal(s):

Conduct one public meeting per year.

Schedule:

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

Person responsible for overall BMP management and implementation:

Director of Engineering

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

These public meetings provide an opportunity for members of the public to participate in program development and implementation. Such involvement fosters public interest and commitment to NPDES goals.

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:

- Board of Commissioner Meetings;
- Advisory Panel; and
- Community Clean-up and Improvement.

B.1. Board of Commissioners Meetings

Target Audience:

The Fayette County Board of Commissioners and the general public are the primary target audiences for this BMP. Information is available to the public by attending the public meetings, review of meeting minutes (available through the Administrative Office and on the County web page), and newspaper coverage of the meetings. 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.

Description of BMP:

Annual presentations will be made to the Board of Commissioners to provide an overview of 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 in the coming year. 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 in order to allow sufficient time to incorporate resource needs into the next year's fiscal budget.

Measurable Goal(s):

- Provide at least one presentation per year to the BOC and general public.
- Maintain minutes of all meetings that discuss or address stormwater-related issues, include documentation of all public comment.

Schedule:

- Interim Milestone Dates:* None
- Implementation Date:* 2004
- Frequency of Actions:* Once per year
- Month/Year of each Action:* Varies

Person responsible for overall BMP management and implementation:

Director of Engineering

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.

B.2. Advisory Panel

Target Audience:

This BMP targets individuals from the commercial, development, agricultural, homeowner and environmental sectors that have a vested interest in stormwater management and water quality.

Description of BMP:

The advisory panel, comprised of citizens who possess stormwater management expertise and/or interest, allows an exchange of ideas on what water quality problems they perceive in the County, provide input on the implementation of the stormwater management program, and identify new measures that might be implemented. The panel thus serves in an advisory and oversight capacity. All topics associated with Fayette County's storm water management will be open for discussion and the panel's findings will be periodically presented during public forums such as Board of Commissioner or Planning Commission meetings.

Measurable Goal(s):

Conduct a minimum of two advisory panel meetings per year.

Schedule:

- a. *Interim Milestone Dates: None*
- b. *Implementation Date: 2006*
- c. *Frequency of Actions: Twice per year*
- d. *Month/Year of Each Action: Varies*

Person responsible for overall BMP management and implementation:

Director of Engineering

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

There is a small cadre of Fayette County citizens who have stormwater management and environmental protection expertise coupled with a desire to serve their community. Their talents and involvement serve the Fayette County stormwater management program in an excellent oversight and advisory capacity.

B.3. Community Clean-Up & Improvement

Target Audience:

This BMP targets Fayette County citizens and business owners interested in hands-on volunteer activities aimed at improving water quality. Groups such as local schools, churches, civic organizations, and homeowner associations will be targeted for this BMP.

Description of BMP:

This will be an annual activity with a goal of improving water quality and educating the volunteers on stormwater management activities. Specific activities will be selected by the Engineering Department. Projects may include stream-bank restorations, buffer enhancements, stream clean-ups and trash pick-ups. The projects will normally be designed for completion in one day (excluding site preparation work). Available educational material (e.g., posters, flyers, etc.) will be on display during the work activities, as appropriate. In addition, the projects will be coordinated with other events, as possible, to maximize publicity and participation.

Measurable Goal(s):

Conduct at least one Community Clean-Up and Improvement activity each year.

Schedule:

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

Person responsible for overall BMP management and implementation:

Director of Engineering

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

Public involvement in the storm water management program has many benefits, including education and sources of labor for field activities. In addition, these types of activities allow the participants to see first hand the impacts of illicit discharge, litter and erosion/sedimentation on water quality.

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-storm water discharges into your storm sewer system and implement appropriate enforcement procedures and actions;
- C. Develop and implement a plan to detect and address non-storm water 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:

- Storm Sewer Site Map;
- Ordinance Implementation and Enforcement;
- Hotline and Internet Site;
- Employee Training; and
- Illicit Discharge Detection & Elimination Program.

C.1. Storm Sewer Map

Target Audience:

County Staff

Description of BMP:

Creation and maintenance of a storm sewer map showing the County's separate storm sewer system (MS4) and the name and locations of Waters of the State that receive discharges from MS4 outfalls.

Measurable Goal(s):

- Initial creation of storm sewer map
- Annual updates and expansions of storm sewer map

Schedule:

- Interim Milestone Dates:* None
- Implementation Date:* Map completed in 2006.
- Frequency of Actions:* Annually
- Month/Year of each Action:* N/A

Person responsible for overall BMP management and implementation:

Director of Engineering

Rational for choosing BMP and setting measurable goal(s):

The storm sewer map is used as a tool to plan and schedule maintenance activities, to identify drainage and pollution problems, and to plan watershed improvements.

C.2. Implementation and Enforcement of Fayette County's Illicit Discharge and Illegal Connection Ordinance

Target Audience:

Property owners within unincorporated Fayette County

Description of BMP:

Creation and implementation of an Illicit Discharge and Illegal Connection Ordinance designed to detect and eliminate illicit discharges into the Fayette County separate storm sewer system (MS4).

Measurable Goal(s):

- Respond to and track Customer Service Requests (CSRs) that identify illicit discharges and illegal connections.
- Implement appropriate enforcement action in accordance with the Ordinance.

Schedule:

- Milestone Dates:* None
- Implementation Date:* 27 January 2005
- Frequency of Action:* Continually
- Month/Year of each Action:* N/A

Person Responsible:

Director of Engineering

Rationale:

A regulatory mechanism was needed to enable the County to detect and eliminate illicit discharges and illegal connections.

C.3. Hotline and Internet Site

Target Audience:

All citizens who work or live within Fayette County

Description of BMP:

The Fayette County Engineering Department's primary phone line serves as the hotline for receiving citizen concerns and questions regarding all environmental compliance issues, including suspected illicit discharges. 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 Department staff. The results of the investigations are documented in the CSR and feedback is provided to the reporting citizen if a name and telephone number are available. CSRs are typically responded to within one business day. Follow-up action by the County (such as Public Works or the Marshal) is provided on a case-by-case basis. The phone number (770-460-5730 ext 5410) is available in all County directories, Department business cards, and on the County's website.

Measurable Goal(s):

- Document and track all CSRs;
- Provide 100 percent follow-up; and
- Review CSRs to identify trends in water quality problems/areas.

Schedule:

- Interim Milestone Dates:* None
- Implementation Date:* Ongoing
- Frequency of Actions:* Continually
- Month/Year of each Action:* Continually

Person responsible for overall BMP management and implementation:

Director of Engineering

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

Citizens are a valuable resource in monitoring the activities throughout the County. The phone hotline and Internet site will provide a direct conduit for the public to report suspected illicit discharges.

C.4. Employee Training

Target Audience:

Fayette County employees that work in the field or receive complaints from the public

Description of BMP:

Train county employees to recognize illicit discharges (or conditions that could lead to illicit discharges) and provide guidance on methods of addressing identified problems. The following departments will be included in the training activities: Permits and Inspections, Engineering, Environmental Health, Fire and Emergency Services, Marshals, Sheriff, Water System, Roads, Fleet Management, Buildings and Grounds, and Tax Assessor. Training activities may consist of a memorandum/handout provided to all appropriate personnel, as identified by the Department Directors.

Measurable Goal(s):

One training memorandum or similar activity will be provided each year. As a matter of record, the location, date and topic of all training sessions/handouts will be recorded, as well as the attendees/distribution list.

Schedule:

- a. *Interim Milestone Date:* None
- b. *Implementation Date:* 2004
- c. *Frequency of Actions:* Annually
- d. *Month/Year of each Action:* Varies

Person responsible for overall BMP management and implementation:

Director of Road Department	Director of Engineering
Director of Building and Ground Maintenance	Director of Water System
Director of Permits and Inspections	Director of Environmental Health
Director of Fleet Management	Tax Assessor
Marshal	Sheriff
Director of Fire and Emergency Management Services	

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

This group of County employees is in the field on a daily basis and has the greatest chance of discovering illicit discharges.

C.5. Implementation and Enforcement of an Illicit Discharge Detection and Elimination (IDDE) Program

Description of BMP:

Fayette County's IDDE program is designed to detect, eliminate and prevent non-storm water discharges, including dumping, to the County's municipal storm sewer system (MS4). The IDDE program includes the following components:

- Drainage Area Assessment – This assessment is based upon a map designed to depict major drainage basins, the County's MS4, water sampling/monitoring locations, and pertinent environmentally protected or sensitive areas. The assessment will aid in prioritizing field activities and tracking areas with a history of illicit discharge problems.
- Outfall Screening – The outfall screening element includes the assessment of all County-owned or operated MS4 structures and periodic dry-weather screening of outfalls in priority drainage basins. Illicit discharge and illegal connection enforcement actions are implemented by the County Engineering or Environmental Health Departments in accordance with the Fayette County Illicit Discharge and Illegal Connection Ordinance.
- Business Outreach and Inspection – A variety of resources and activities are employed to target educational efforts and dry weather outfall screening activities intended to identify and eliminate illicit discharges.
- Education – Education programs target citizens and property owners as to the importance of preventing illegal dumping, eliminating accidental/intentional releases of hazardous substances and removing litter from the MS4. IDDE education programs are also presented to County employees so that they understand the IDDE program and can help identify and report suspected discharges

Measurable Goal(s):

Document and log all activities relative to the implementation of the IDDE program to include: Customer Service Requests (CSRs), mapping inventory, public education activities, employee training, outfall assessments, dry weather screening, and water sampling.

Schedule:

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

Person responsible for overall BMP management and implementation:

Director of Engineering

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.

D. Construction Site Storm Water Runoff Control

40 CFR Part 122.34(b)(4) Requirement: You must develop, implement, and enforce a program to reduce pollutants in any storm water runoff to your small MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of storm water discharges from construction activity disturbing less than one acre must be included in your program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. Your 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:

- Implementation and Enforcement of the Fayette County Soil Erosion and Sedimentation Control Ordinance;
- Litter Control;
- Erosion and Sediment Control BMPs;
- Pre-construction Meetings;
- Erosion Control Inspections; and
- Public Hotline for Erosion Problems.

D.1. Implementation and Enforcement of the Fayette County Soil Erosion and Sedimentation Control Ordinance

Target Audience

Builders and developers operating in Fayette County

Description of BMP:

Creation and implementation of an ordinance designed to require erosion and sediment controls at construction sites and imposes sanctions for failure to comply with those controls.

Measurable Goal(s):

Implement appropriate enforcement action in accordance with the Ordinance.

Schedule:

- a. *Milestone Dates:* None
- b. *Implementation Date:* 27 January 2005
- c. *Frequency of Action:* Continually
- d. *Month/Year of each action:* N/A

Person Responsible:

Development Engineer, Engineering Department

Rationale:

A regulatory mechanism was needed to require erosion and sediment controls at construction sites within Fayette County and to impose sanctions in order to ensure compliance.

D.2. Litter Control

Description of BMP:

Control the management of waste associated with construction practices. Examples of waste material include discharged building materials, concrete truck washout, chemicals, litter and sanitary waste.

Measurable Goal(s):

Fayette County has adopted and implemented a Litter Control Ordinance that matches the Metropolitan North Georgia Water Planning District's model Litter Control Ordinance. Record and track the number of violations reported and resolved.

Schedule:

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

Person responsible for overall BMP management and implementation:

Code Enforcement Officer, County Marshal

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

To eliminate the accumulation of trash and debris on construction sites that may cause adverse impacts on water quality.

D.3. Erosion and Sediment Control BMPs

Description of BMP:

Any project requiring a land disturbance permit (LDP) must submit a Soil Erosion and Sedimentation Control (ESC) Plan to the Fayette County Engineering Department. The plan must meet all requirements of the Fayette County ESC Ordinance, which is inclusive of the entire range of BMPs detailed in the current edition of The Manual for Erosion and Sediment Control in Georgia, before a LDP will be issued.

Water quality concerns beyond those normally associated with E&SC, 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. BMPs and restrictions associated with these potential pollutants are addressed in ESC plans and reviewed and discussed during pre-construction meetings. In addition, Fayette County requires developers to post a Maintenance Bond that includes E&SC; this ensures maintenance of required erosion and sediment control measures for a period of two years.

Measurable Goal(s):

- Review 100 percent of site plans prior to issuing a LDP;
- Record the number of plans reviewed and LDPs issued;
- Establish minimum controls/requirements for trash/construction debris, fuel storage, sanitary waste and concrete truck wash-out;
- Review water quality concerns during pre-construction meetings (100 percent); and
- Field-check at least 90 percent of all LDP projects twice (minimum) during the course of construction activities to ensure compliance with the erosion control, litter control and illicit discharge ordinances.

Schedule:

- a. *Interim Milestone Dates:* None
- b. *Implementation Date:* Implemented prior to 2003 (ongoing)
- c. *Frequency of Actions:* Every plan review
- d. *Month/Year of each Action:* Ongoing

Person responsible for overall BMP management and implementation:

Development Engineer, Engineering Department

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

To implement actions during the plan review process that ensures the effective application of E&SC measures that prevents adverse impact on water quality.

D.4. Pre-construction Meetings

Description of BMP:

Conduct pre-construction meetings with developers/builders of residential subdivisions and commercial sites prior to the issuance of a land disturbance permit. The purpose of the meetings is to review erosion control requirements, confirm responsibilities and ensure erosion control measures are installed prior to the initiation of any grading activities. Pre-construction meetings are normally conducted by the Engineering Department's Field Technicians.

Water quality concerns beyond those normally associated with E&SC, 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. BMPs and restrictions associated with these potential pollutants are addressed in ESC plans and reviewed and discussed during pre-construction meetings.

Measurable Goal(s):

- Conduct a preconstruction meeting for at least 80 percent of all non-residential land disturbance permits that are issued.
- Record date, time, project name and participants of all pre-construction meetings.

Schedule:

- a. *Interim Milestone Dates:* None
- b. *Implementation Date:* Implemented already (ongoing)
- c. *Frequency of Actions:* As needed
- d. *Month/Year of each Action:* As needed

Person responsible for overall BMP management and implementation:

Development Engineer, Engineering Department

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

To ensure the establishment and understanding of requirements for construction site operators to implement appropriate erosion and sediment control best management practices.

D.5. Erosion Control Inspection

Description of BMP:

Enforce the implementation of erosion and sediment control BMPs on all construction sites using qualified Environmental Technicians as inspectors.

Measurable Goals:

- Continue current operations.
- Track the number of field inspections, warnings, and stop work orders.
- Document follow-up activities in the Daily Inspection Log.
- Inspect all construction sites at least twice.
- Perform a detailed inspection of large projects, such as subdivisions and commercial developments once per week.

Schedule:

- a. *Interim Milestone Dates:* None
- b. *Implementation Date:* Already implemented (ongoing)
- c. *Frequency of Actions:* Continual
- d. *Month/Year of each Action:* Daily

Person responsible for overall BMP management and implementation:

Development Engineer, Engineering Department

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

To 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.

D.6. Public Hotline for Erosion Problems

Description of BMP:

The Fayette County Engineering Department's primary phone line serves as the hotline for receiving citizen concerns 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 results of the investigations are documented in the CSR and feedback is provided to the reporting citizen if a name and telephone number are available. CSRs are typically responded to within one business day. Follow-up action by the County (such as Public Works or the Marshal) is provided on a case-by-case basis. The phone number (770-460-5730 ext 5410) is available in all County directories, Department business cards, and on the County's website.

Measurable Goals:

As existing goals, the Department tracks the number of CSRs by type, responds within one business day, and strives to have a follow-up rate of 100 percent.

Schedule:

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

Person responsible for overall BMP management and implementation:

Development Engineer, Engineering Department

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

To maintain timely and uniform response procedures to information submitted by the public.

Attachment A

BMP Submittal

(Use this for adding new BMPs to the GaNOI only)

Minimum Control Measure:

Public Hotline for Erosion Problems

Best Management Practice (BMP) #: D.6

1. Target audience (Public Education MCM only): **Property owners within Fayette County.**
2. Description of BMP:
The Fayette County Stormwater Management Department's primary phone line serves as the hotline for receiving citizen concerns 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 results of the investigations are documented in the CSR and feedback is provided to the reporting citizen is a name and telephone number are available. CSRs are typically responded to within two business days. Follow-up action by the County (such as Public Works or the Marshal) is provided on a case-by-case basis. The phone number (770-305-5410) is available in all County directories, Department business cards, and on the County's website.
3. Measurable Goal(s):
As existing goals, the Department tracks the number of CSRs by type, responds within two business days, and strived to have a follow-up rate of 100 percent.
4. Schedule:
 - a. Interim Milestone Dates (if applicable): None
 - b. Implementation Date (if applicable): Ongoing
 - c. Frequency of actions (if applicable): Continual
 - d. Month/Year of each action (if applicable): Continual

5. Person (position) responsible for overall management and implementation of the BMP:
Environmental Engineer, Stormwater Management Department
6. Rationale for choosing the BMP and setting the measurable goal:
To maintain timely and uniform response procedures to information submitted by the public.
7. Date of this BMP submittal: **January 27, 2012**

E. Post-Construction Storm Water Management in New Development and Redevelopment

40 CFR Part 122.34(b)(5) Requirement: You must develop, implement, and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, that discharge into your small MS4. You must:

- A. Develop and implement strategies that include a combination of structural and/or non-structural BMPs appropriate for your community;
- B. Use an ordinance or other regulatory mechanism to address post-construction runoff from new development or redevelopment projects; and
- C. Ensure adequate long-term operation and maintenance of BMPs.

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

- Implementation and Enforcement of the Fayette County Post-Development Storm Water Management in New Development and Redevelopment Ordinance;
- Stormwater Design Criteria; and
- Operations & Maintenance of BMPs.

E.1 Implementation and Enforcement of the Fayette County Post-Development Storm Water Management in New Development and Redevelopment Ordinance

Target Audience:

New development and redevelopment projects within the unincorporated County

Description of BMP:

Creation and implementation of a Post-Development Storm Water management in New Development and Redevelopment Ordinance to control the adverse effects of increased post-development stormwater runoff and nonpoint source pollution associated with new development and redevelopment.

Measurable Goal(s):

- Review 100 percent of stormwater management plans prior to issuing an LDP, as applicable;
- Determine compliance with water quality, channel protection and flood management criteria for all stormwater management plans;
- Implement appropriate enforcement action in accordance with (IAW) the Ordinance.

Schedule:

- Interim Milestone Dates:* None
- Implementation Date:* 1 August 2005
- Frequency of Actions:* Continually
- Month/Year of each Action:* N/A

Person Responsible:

Director of Engineering

Rationale:

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

E.2 Stormwater Design Criteria

Target Audience:

Design professionals, builders and developers in unincorporated Fayette County

Description of BMP:

In 2005, Fayette County adopted the Georgia Stormwater Management Manual (The Blue Book) and the design criteria contained therein. Upon re-evaluation, the County may prepare a supplement with additional criteria and/or clarifications specific to Fayette County.

Measurable Goal(s):

Check submitted stormwater management plans against the design criteria delineated in the Georgia Stormwater Management Manual and any subsequent supplement published by Fayette County.

Schedule:

- a. *Interim Milestone Dates:* None
- b. *Implementation Date:* 2005
- c. *Frequency of Actions:* Re-evaluate design criteria every three years
- d. *Month/Year of each Action:* 2008

Person responsible for overall BMP management and implementation:

Director of Engineering

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

Prior to 2005, Fayette County Development Regulations provided only minimal design criteria, and did not address water quality or channel protection.

E.3 Operations & Maintenance of BMPs

Target Audience:

The owners and/or operators of stormwater management controls regulated under a stormwater Inspection & Maintenance Agreement.

Description of BMP:

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. County Code provides for enforcement action by the Engineering Department against the property owner if the O&M Plan is not properly implemented and maintained.

In addition, Fayette County requires Operations & Maintenance (O&M) plans for all new privately-owned Best Management Practices (BMPs), including stormwater management detention ponds, wet ponds, and stormwater conveyance systems. The County does not have a stormwater utility and does not work on private property; maintenance of existing control measures is the responsibility of the property owner. The O&M requirements of this BMP apply to new and redevelopment projects.

Measurable Goal(s):

- Require an Inspection & Maintenance Agreement for all new developments and redevelopments, as applicable.
- Require O&M Plans for all new developments and redevelopments, as applicable.
- Track and document submittal and implementation requirements for each project.

Schedule:

- Interim Milestone Dates:* None
- Implementation Date:* December 2006
- Frequency of Actions:* N/A
- Month/Year of each Action:* N/A

Person responsible for overall BMP management and implementation:

Director of Engineering

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

An Operations and Maintenance Program is required as part of the NPDES Phase II General Permit.

F. Pollution Prevention / Good Housekeeping for Municipal Operations

40 CFR Part 122.34(b)(6) Requirement: You must develop and implement an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations.

Fayette County's Operation and Maintenance Program will be developed through the incorporation of the six Best Management Practices included in this section. The first four BMPs will inventory all County facilities and operations; obtain NPDES permits for any facility that should, but does not have coverage for stormwater discharges; develop a comprehensive pollution prevention plan; and provide employee training.

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

- Inventory and Assessment of County Facilities;
- Georgia NPDES Industrial Storm Water Permits;
- Comprehensive Pollution Prevention Plan;
- Employee Training; and
- Operation and Maintenance Program for County MS4

F.1 Inventory and Assessment of County Facilities

Description of BMP:

Under this BMP, the County maintains and routinely assesses a list of County facilities and associated operations to determine compliance with the County's Stormwater Management Program. Facilities included on the inventory are identified by name and geographic location, via state plane coordinates. Examples of facilities included in the inventory are: fleet or maintenance shops, storage yards, parking lots, vehicle wash areas, waste transfer operations, parks and public areas and the storm sewer system.

At least once every three years items on the inventory are evaluated / audited to identify changes and re-assess stormwater management practices appropriate for the facility or operation. Results of the annual assessment are and forwarded to the facility operator.

Measurable Goal(s):

- Add items to the inventory as new facilities or operations are brought on-line in the unincorporated County;
- Evaluate existing facilities or operations every three years (minimum) to ensure compliance with stormwater requirements;
- Provide documentation of the minimum BMPs, with timeframe for implementation, regarding stormwater requirements to the Department Head responsible for the facility or operation; and
- Document the above goals.

Schedule:

- Interim Milestone Dates:* None
- Implementation Date:* Initial inventory completed in Fall 2004, ongoing thereafter
- Frequency of Actions:* Update continually as new facilities are established; provide comprehensive review every three years
- Month/Year of each Action:* N/A

Person responsible for overall BMP management and implementation:

Director of Engineering

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

An inventory of County-owned facilities 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 concerns within the County.

F.2 Georgia NPDES Industrial Storm Water Permits

Description of BMP:

Evaluate each County-owned facility identified in the inventory process (see F.1) and determine if the facility or operation is either already covered, or needs to apply for coverage, under the Georgia NPDES Industrial Storm Water Permit. Each Department shall be responsible for obtaining coverage for their own operations/facilities, as needed.

Measurable Goal(s):

- Evaluate applicability of GAR100000 for each County-owned facility. Document findings.
- File NOIs for coverage under the Georgia NPDES Industrial Storm Water Permit for all applicable County operations.

Schedule:

- a. *Interim Milestone Dates:* None
- b. *Implementation Date:* NA
- c. *Frequency of Actions:* Assess new facilities or operations as they are brought on-line, reassess existing facilities every three years (see F.1) to check for applicability of the Industrial Stormwater Permit.
- d. *Month/Year of each Action:* Not applicable

Person responsible for overall BMP management and implementation:

Director of Engineering

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

Ensuring all applicable operations have appropriate NPDES permits is a requirement of Clean Water Act and must be satisfied to avoid possible enforcement action against the County. Doing so will also help ensure County operations have minimum impact to our environment.

F.3 Comprehensive Pollution Prevention Plan

Description of BMP:

Maintain and implement the Comprehensive Pollution Prevention Plan that addresses all high-risk activities associated with the inventory of County-owned operations previously developed. Individual Departments assess pollution threats and identify existing or required BMPs to minimize the release of pollution. The Engineering Department checks and consolidates the information into an annual report.

Measurable Goal(s):

- Provide regular reviews of the Comprehensive Pollution Prevention Plan to ensure BMPs are implemented properly and on schedule;
- Identify areas of concern and provide documented feedback to the appropriate Department Head; and
- Annually review the Comprehensive Pollution Plan to identify needed resources in the following fiscal year. Provide information to Departments and Board of Commissioners, as appropriate.

Schedule:

- a. *Interim Milestone Dates:* NA
- b. *Implementation Date:* 2006
- c. *Frequency of Actions:* Regular reviews; update every three years in conjunction with comprehensive inventory review
- d. *Month/Year of each Action:* NA

Person responsible for overall BMP management and implementation:

Director of Engineering

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

Pollution prevention and good housekeeping is a requirement of GAG610000. Development and implementation of the plan help ensure County operations have minimum impact to our environment.

F.4 Employee Training

Description of BMP:

This BMP trains county employees on the findings presented in the Comprehensive Pollution Prevention Plan (CPPP). County Department Heads identify the appropriate personnel for the training activities and coordinate the time and format. The training includes a review of pollution impacts on water quality and a review of the findings presented in the (CPPP) and focuses on practices to be implemented by the workers to reduce the pollution risks associated with job-specific activities. Existing training programs offered by EPD's Pollution Prevention Division, EPA, and the University of Georgia may be utilized as part of the County's training program. The ultimate goal of the training activities is to prevent or reduce pollutant runoff from municipal operations.

The Annual Reports provided to EPD summarizes the programs given each year.

Measurable Goal(s):

- Establish and prepare training program(s) for the personnel identified by Department Heads.
- Conduct at least one training session per year per Department. One session may serve multiple Departments.
- Record the date of training, topics covered and attendance.

Schedule:

- Interim Milestone Dates:* Obtain list of employees scheduled for CPPP from the Department Heads – completed in July 2004.
- Implementation Date:* Ongoing
- Frequency of Actions:* Annually
- Month/Year of each Action:* Varies

Person responsible for overall BMP management and implementation:

Director of Engineering

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

Training is a requirement of the NPDES permit.

F.5 Operation and Maintenance Program for the County MS4

Description of BMP:

This BMP identifies operation and maintenance activities specific to the County's municipal separate storm sewer system (MS4) and incorporates the findings of the Illicit Discharge, Detection, and Elimination Program, Stormwater Management Ordinance, and Comprehensive Pollution Prevention Programs. The purpose of the BMP is to ensure the County's MS4 is operating in a safe and efficient manner and that the impacts of stormwater runoff are reduced to the greatest extent practicable.

Main components of the O&M program are summarized below.

- Maintenance of drainage structures associated with County roads;
- Maintenance of County-owned storm water management structures (e.g., wet ponds, dry ponds, swales, filter strips, etc.);
- Erosion and sediment control within County right-of-way ; and
- Evaluation and redesign, as feasible, of existing detention structures to meet current stormwater management criteria, i.e., water quality, channel protection and flood control.

Details of the O&M Program are provided in Fayette County's *Pollution Prevention and Good Housekeeping Program*.

Measurable Goal(s):

- Annually review and update the Operations and Maintenance Program;
- Annually evaluate future needs and request resources/funding for planned projects;
- Track and document O&M activities on the County MS4;
- Compare completed O&M activities against scheduled work, per the O&M Program.

Schedule:

- a. *Interim Milestone Dates:* None
- b. *Implementation Date:* 2006
- c. *Frequency of Actions:* O&M per schedule
- d. *Month/Year of each Action:* varies by activity

Person responsible for overall BMP management and implementation:

Director of Engineering

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

Development of an O&M program is a minimum requirement of GAG610000. Implementation of the program will help protect our environment and optimize the use of resources expended on infrastructure operation and maintenance.

F. Revision Log

10 March 2003	Original Notice of Intent (NOI) submitted to EPD
3 February 2004	Comments received from EPD on NOI
2 April 2004	Revised NOI submitted to EPD
10 June 2005	Revised NOI submitted to EPD (based on 2/22/05 comments)
8 September 2005	Revised NOI submitted to EPD (based on 7/13/05 comments)
31 July 2007	Revised NOI submitted to EPD for reissue of Permit