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**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

A. Ownership Status (Please check one):

- Municipal Separate Storm Sewer System
 Federal Facility
 State Facility

B. Name of small MS4: **City of Chickamauga, Georgia**

C. Name of responsible official: **Ray Crowder**
Title: **Mayor, City of Chickamauga, GA**
Mailing Address: **P.O. Box 69**
City: **Chickamauga** State: **Georgia** Zip Code: **30707**
Telephone Number: **(706) 375-3177**

D. Designated stormwater management program contact:
Name: **James W. Powell**
Title: **Zoning Administrator**
Mailing Address: **P.O. Box 69**
City: **Chickamauga** State: **Georgia** Zip Code: **30707**
Telephone Number: **(706) 375-3177**
Email Address: **jpowell-zoning@comcast.net**

II. 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 **Walker County**
2. Control measure or component of control measure to be implemented by entity on your behalf: **(See B. Below)**

Control Measure #2:

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.

Walker County will be taking responsibility for a portion of the programs for the City of Chickamauga. The City of Chickamauga will not be taking any responsibilities for implementing any control measure on behalf of Walker County.

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Memorandum of Agreement between Walker County and the City of Chickamauga are pending. The MOA will determine which Minimum Control Measures Walker County will take responsibility for on behalf of the City of Chickamauga. All responsibilities for both parties will be spelled out in the MOA and submitted to EPD at that point.

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III. For Federal or State-Owned MS4s

(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): **Crawfish Spring, Chickamauga Creek**
- B. Indicate any receiving water stream segments to which your MS4 discharges, which are included on the 303(d) list: **NONE**
- 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): **NONE**

V. Minimum Control Measures

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

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: **RAY CROWDER**

Date: August 17, 2005

Signature: signed August 17, 2005

Title: **MAYOR, CHICKAMAUGA, GA**

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Appendix A: Public Education and Outreach on Stormwater Impacts

BMP ID Number: A-1

Best Management Practice: Stormwater Education Program for School Age Children in Coordination with the Walker County School System

Target audience: Chickamauga City School Students

Description of BMP: City of Chickamauga will execute a Memorandum of Agreement (MOA) to utilize the education program developed for Walker County schools in the Chickamauga School System. Walker County and the Walker County School System has access to a wealth of resources that could be very beneficial to the Chickamauga School System in the way of educating our young people on the importance of water quality and quantity, watershed protection, the importance of recycling, soil erosion, water pollution, etc. Walker County School System has already been very active in educating their young people in these specific areas. Please see the attached award-winning program that was established by Walker County Schools in Coordination with a School System in Russia. The attached is an overview of the 7 modules that were developed with regard to stormwater and the lesson plans that are already established for each module. This program was primarily developed for grade levels 5 through 12. The Walker County Public Schools Eco-Connections Environmental Studies Program is the proud recipient of the 2001 Computer World Honors Award in the area of Environment, Energy and Agriculture (see attached). The program is also available for review on the web at <http://www.walkerschools.org/eco/modules.htm> where additional resources are also available (see attached). Walker County School System also has what they call “the Bug Mobile” which helps educate grade levels 3 through 5 with a mobile laboratory that was constructed out of an old school bus and is painted to look like a centipede. Attached is more specific information regarding the Bug Mobile.

Measurable Goal(s):

- Attend Walker County stakeholder meetings with other Phase II cities involved in this program.
- Coordinate with Chickamauga Superintendent and School Board to incorporate into school year 2005-06.
- Determine a budget, including supplies, staffing, etc. as a portion of the Walker County program costs.
- Establish a Memorandum of Agreement between Chickamauga and Walker County and both School Systems.
- Establish a schedule of student training for the school year 2005-2006.
- Record the number of certificates or other honors given out for classes/students who participate in the stormwater education
- Determine the number of classrooms & students receiving stormwater education as a regular part of school curriculum, at least 75% of grades targeted
- Determine the number of classrooms & students receiving stormwater education as a part of the bug mobile, at least 75% of grades targeted
- Determine the number of classrooms & students receiving stormwater education as a part of the Eco-Connections Environmental Studies Program, at least 75% of grades targeted.

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Schedule:

a. Interim Milestone Dates (if applicable):

DATE	MILESTONE
July-Aug 2004	Attend stakeholder meeting with Walker County and Phase II cities to be involved in this program.
July-Aug 2004	Contact Chickamauga School system personnel to determine training schedule
Aug-Dec 2004	Establish a curriculum for the school year 2005-2006.
Aug-Dec 2004	Determine budget needs for FY 2005 for City of Chickamauga
Aug-Dec 2004	Establish a Memorandum of Agreement between Walker County / Walker County School System and Chickamauga School System.
2005-2006 School Year.	Present program to students and track the number of students, classrooms, topics, etc.

b. Implementation Date (if applicable): **2005-2006 School Year**

c. Frequency of actions (if applicable): **to be determined by March 2005**

d. Month/Year of each action (if applicable): **to be determined by March 2005**

Person (position) responsible for overall management and implementation of the BMP:

James W. Powell, Zoning Administrator

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

Educational materials already exist and are readily available, school systems are easy to work with, and little to no cost is involved. Scheduling gives those involved plenty of time for planning so that the program is well organized. Educating school age children on storm water and water quality practices, including watershed awareness and management, recycling, soil erosion, water pollution, life cycles, etc., will help better public awareness. Walker County already has two very well established programs available and the necessary staff to get the program up and running again. The school system had to stop the program due to lack of funding; however, with Walker County and City of Chickamauga, as well as other cities, working together, the overall cost to Chickamauga School System will be a fraction of a new program, and therefore more affordable.

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Appendix A: Public Education and Outreach on Stormwater Impacts

BMP ID Number: A-2

Best Management Practice: Use Brochures to educate the public on stormwater related issues

Target audience: Citizens of Chickamauga, Georgia

Description of BMP: Brochures and pamphlets will be very beneficial to the general public in the way of educating the citizens on the importance of water quality and quantity, watershed protection, floodplain management, the importance of recycling, hazards associated with illegal discharges into the storm sewer system and improper waste disposal, etc. The high cost of developing a brochure for the relatively small population of Chickamauga, Georgia (2,245 as of Census 2000) is prohibitive. But, the quality and quantity of readily available information from COOSA RDC, P2AD, GA EPD, Project WET. Etc. affords the opportunity to make useful & educational materials available at City buildings on a daily basis. The two city building locations are City Hall and the Train Depot/Welcome Center. Placing 25 brochures initially in open locations will allow interested citizens to obtain and read clean water information. The brochures will also be available at the Train Depot during City events of which there are two annually – War Between the States Day and Downhome Days. The brochure in use is “You’re the Solution to Water Pollution” which is appropriate for the Chickamauga location which is primarily residential land with yards and very little industrial activity. A copy is attached. The two locations will be checked monthly and restocked as needed, and the number of brochures used recorded.

Measurable Goal(s):

- Identify and Review Existing Educational Tools that Exist through the EPD, EPA, P2AD, internet sites, other states, conferences, and other sources
- Obtain stock of desired brochure
- Identify locations appropriate for brochures
- Place 25 brochures at sites initially, restock monthly
- Track the percentage of materials taken (over what has been placed out) at each location monthly, and throughout the year.

Schedule:

a. Interim Milestone Dates (if applicable):

DATE	MILESTONE
Jan 2004-Completed	Identify and Review Existing Educational Tools that exist through the EPD, EPA, P2AD, internet sites, and other sources
Jan 2004-Completed	Obtain stock of desired brochure
Jan 2004-Completed	Place 25 brochures at Train Depot and City hall, restock monthly
December 2004 - yearly	Evaluate the percent of pamphlets taken in comparison to the number placed to determine if this BMP is effective in getting information to the public.

b. Implementation Date (if applicable): **January 2004-COMPLETED-Copy of Brochure attached**

c. Frequency of actions (if applicable): **Restock and record number taken monthly (initial 25 each location)**

d. Month/Year of each action (if applicable): **Dec 2004 and yearly, determine percentage used**

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Person (position) responsible for overall management and implementation of the BMP:
James W. Powell – Zoning Administrator

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

Brochures to begin the program are readily available at little to no initial cost. Chickamauga is a small residential town with most residents visiting City Hall or Train Depot regularly, especially to pay bills or to attend the two annual events.

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Appendix A: Public Education and Outreach on Stormwater Impacts

BMP ID Number: A-3

Best Management Practice: Establish a separate page on the City of Chickamauga, Georgia Website (www.CityofChickamaugaGeorgia.ORG) containing Storm Water Information and additional ways of obtaining more information.

Target audience: Citizens of Chickamauga, Georgia and other interested parties

Description of BMP: Chickamauga has an existing website with expansion capabilities to include Storm Water information. We plan to incorporate many different electronic pamphlets with all different areas of stormwater topics covered. We also plan to provide links to other websites for additional information and resources; examples might be Walker County School Systems Website and Eco-Connections, EPA, EPD, P2AD, Center for Watershed Protection, etc. We will provide an electronic complaint form and email address and other contact information for people who want to ask questions or file official complaints regarding any type of environmental issue or local ordinance. This will also provide us will valuable input from the community and would help with public involvement and participation.

Measurable Goal(s):

- Identify and review existing, electronically formatted, educational tools through the EPD, EPA, P2AD, internet sites, and other sources
- Update the site quarterly with new information.
- Provide electronic complaint form on page for complaints and questions in support of Minimum Control Measure #4 – Construction
- Budget for website expenses for FY 2005
- Record number of hits quarterly and a total for annually to determine effectiveness of webpage

Schedule:

a. Interim Milestone Dates (if applicable):

DATE	MILESTONE
Jan 2004 started – ongoing project	Identify and Review Existing Educational Tools that Exist through the EPD, EPA, P2AD, internet sites, and other sources
Jan 2004 started – ongoing project	Design and publish the new Webpage on the Chickamauga Website
Jan 2004 started – ongoing project	Make the page available to all users and continue to update quarterly and improve the WebPages with latest information and track number of visitors
Aug 2004	Budget for website storm water expenses for FY 2005
Oct 2004	Provide electronic complaint form on website
December 2004 – yearly	Evaluate the number of visitors to the web page to determine if this BMP is effective in getting information to the public.

b. Implementation Date (if applicable): **Already started – January 2004**

c. Frequency of actions (if applicable): **Update Quarterly – completed thru Apr 30, 2004**

d. Month/Year of each action (if applicable): **Jan 30, Apr 30, Jul 30, Oct 30 each year**

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Person (position) responsible for overall management and implementation of the BMP:
James W. Powell, Zoning Administrator - Webmaster

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

Chickamauga already has a website and webmaster to construct the page and keep it updated. Adding to or updating the website with additional pages would be at little to no extra cost to the City and has the potential to reach a lot of our computer savvy residents and other interested parties.

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Appendix B: Public Participation/Public Involvement

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.

BMP ID Number: B-1

Best Management Practice: Chickamauga Georgia Storm Drain Stenciling Program

Target audience: Chickamauga Citizens and General Public

Description of BMP: Chickamauga has no stenciling of the storm drains located in the storm sewer system. The storm drains are located in the downtown area near the main business district. The storm drains are highlighted on surveys for the upcoming major renovation of the downtown area. The stenciling will be scheduled to occur after the major street and sidewalk construction is completed, now scheduled to start Spring 2005. A list of civic organizations would have to be pulled together to solicit for volunteers. The final phase would be to invite members of the civic organizations (examples: Lions Club, Rotary Club, Scouts, Church Groups, etc.) to assist Chickamauga staff in labeling all storm drain inlets with curb markers warning citizens not to dump polluting materials into storm drains. The number and location of storm drains stenciled will be initially tracked on paper. The stenciled message is designed to inform the public that pouring prohibited materials into the storm drain is illegal and causes significant impacts to local streams

Measurable Goal(s):

- Inventory drains and determine the number of storm drains to be stenciled per event.
- Make a list of materials needed and determine the message to be stenciled.
- Determine dates for events (after upcoming downtown renovation beginning Spring 2005).
- Publicize at the City Council and Planning Commission meetings and in the Walker County Messenger.
- Track the number of storm drains stenciled and the number of volunteers and staff involved.
- Inventory drains annually to replace and renew message.

Schedule:

a. Interim Milestone Dates (if applicable):

DATE	MILESTONE
September 2004	Inventory drains
October 2004	Make a list of materials needed and determine the message to be stenciled.
October 2004	Determine dates for events (after Fall 2004 downtown renovation)
October 2004	Determine budget needs for FY 2005 budget
Feb 2005	Publicize tentative dates in Walker County Messenger and during City Council/Planning Commission meetings
TBD (Spring – summer 2005)	After downtown renovation, stencil storm drains

- b. Implementation Date (if applicable): **to be determined, Spring 2005**
 c. Frequency of actions (if applicable): **Annually inventory and replace**
 d. Month/Year of each action (if applicable): **Spring 2005, Spring 2006**

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Person (position) responsible for overall management and implementation of the BMP:
James W. Powell, Zoning Administrator

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

A storm drain stenciling program has proven to be effective at raising awareness and discouraging citizens from dumping wastes into the storm drain system that empties non-treated materials directly into local streams.

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Appendix B: Public Participation/Public Involvement

BMP ID Number: B-2

Best Management Practice: Chickamauga Recycling Center

Target audience: Chickamauga Residents and General Public

Description of BMP: Chickamauga operates a successful recycling program that allows City residents to bring paper waste (cardboard, paper, magazines, etc) for proper disposal and recycling. This is voluntary to all residents and is available at no charge. We will continue to publicize at City Council meetings and will run Public Service Announcements in conjunction with Walker County's PSA announcements concerning their recycling program. Also, we will inform the citizens of local programs that accept old oil and fluids, batteries, and metals. The annual amount of recycled products from the Chickamauga Recycling center will be tracked to determine effectiveness.

Measurable Goal(s):

- Budget for annual cost of PSA with Walker County for inclusion in FY 2005
- With Walker County, do a public service announcement twice per year in regard to solid waste management, recycling, or services available to the citizens.
- Determine the amount (tonnage or volume) of recyclables collected per year.

Schedule:

a. Interim Milestone Dates (if applicable):

DATE	MILESTONE
August 2004	Determine annual budget for PSA
TBD with Walker County	In conjunction with Walker County, do a public service announcement twice per year in regard to solid waste management, recycling, or services available to the citizens.
September 2004	Inform citizens of opportunities for recycling at City Council meeting
December 2004 and annually	Determine the amount (tonnage or volume) of recyclables collected per year

b. Implementation Date (if applicable): **Recycling Ongoing**

c. Frequency of actions (if applicable): **Annually for City Council, PSA twice annually**

d. Month/Year of each action (if applicable): **Recycling Center on-going, PSA Spring and Fall of each year, City Council Sept each year**

Person (position) responsible for overall management and implementation of the BMP:

James W. Powell, Zoning Administrator

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

Chickamauga residents and businesses generate significant amounts of solid waste each year. Chickamauga recycling center enables citizens to safely dispose of paper waste material in a manner that helps prevent pollution of local water resources.

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Appendix 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.

A. Storm Sewer Map

1. Does the MS4 have a completed storm sewer map showing the location of all outfalls and the names and location of all waters of the State that receive discharges from those outfalls?

Yes _____ No X

If yes, submit the storm sewer system map as an addendum to this form.

2. If the storm sewer system map must be developed, provide a schedule for completion (e.g. 30% of system to be mapped each year):

Task Interim Date

30% of City of Chickamauga GA Area Mapped

April 2004 (Completed via COOSA RDC)

30% of City of Chickamauga GA Area Mapped

December 2005

40% of City of Chickamauga GA Area Mapped

December 2006

Final completion date/ date for submittal to EPD (No later than December 9, 2006): December 2006

B. Ordinance/ Regulatory Mechanism Evaluation

1. Does the MS4 have an ordinance or regulatory mechanism that effectively prohibits illicit discharges?

Yes X No _____

If yes, submit a copy as an addendum to this form. **COPY ATTACHED with Attorney Certification**

2. If an evaluation of the ordinance/regulatory mechanism must be completed, or the MS4 is aware that the ordinance/regulatory mechanism will require revision, then a schedule for development of the document should be provided: **N/A**

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Appendix C: Illicit Discharge Detection and Elimination

BMP ID Number: C-1

Best Management Practice: Mapping the Urbanized Area of City of Chickamauga, GA

Target audience: City of Chickamauga, General Public

Description of BMP: Mapping the Chickamauga, Georgia MS4 is the main focus of this BMP with the use of grants and assistance from COOSA RDC. Walker County is currently working with COOSA RDC and the cities in the MS4 area to obtain assistance in GPS mapping of the MS4s. Chickamauga plans to complete a MOA and budget for our percentage of costs to complete the mapping. To meet the 30% goal, COOSA RDC provided a preliminary storm water map showing receiving waters and our existing drainage structure of ditches and streams, plus the engineering plans for the upcoming downtown renovation show existing storm drains. In order to get past the 30% mapping, we will require assistance from COOSA RDC and Walker County.

Measurable Goal(s):

- Determine the quickest and most cost effective way to get the MS4 mapped.
- Budget for Chickamauga's FY 2005 budget
- Map at least 30% or more of the urbanized area per year.
- Track number of illicit connections found
- Track number of illicit connections repaired/replaced
- Keep record of illegal connections and outfalls.
- Continue to use public education & outreach programs to inform public.
- Track any actions taken on connections and outfalls found.

Schedule:

a. Interim Milestone Dates (if applicable):

DATE	MILESTONE
April 2004	30% Mapped from COOSA RDC and engineering plans
May - Dec 2004	Determine the quickest and most cost effective way to get the MS4 mapped using COOSA RDC and Walker County assistance
August 2004	Budget for 2005 Mapping
Dec 2005	Map 30% of City of Chickamauga Urbanized Area
Dec 2006	Map 40% of City of Chickamauga Urbanized Area
December 2006	Final completion date/ date for submittal to EPD

b. Implementation Date (if applicable): **complete map by December 2006**

c. Frequency of actions (if applicable): **Ongoing**

d. Month/Year of each action (if applicable): **Ongoing**

Person (position) responsible for overall management and implementation of the BMP:

James W. Powell, Zoning Administrator

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

Mapping the MS4 along with detention ponds, outfalls, illicit discharges, etc. will help the City of Chickamauga Georgia identify problem areas and will help with maintaining our system. It narrows down problem areas that may need focused on for educational workshops, additional enforcement, etc.

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Appendix C: Illicit Discharge Detection and Elimination

BMP ID Number: C-2

Best Management Practice: Illicit Discharge Detection & Elimination Procedures

Target audience: City of Chickamauga, Georgia

Description of BMP: Government staff will develop and implement procedures to detect and eliminate illicit discharges within the City, using Walker County procedures and staff to assist through a Memorandum of Agreement (MOA). The procedures will consist of four parts:

1. Location of Problem Areas – Priority areas will be identified for detailed screening of the system based on the likelihood of illicit connections (e.g., areas with older sanitary sewer lines, 303 (d) listed stream segments and the respective watersheds, etc.). Methods that will likely be used to locate problem areas include: public complaints; visual screening; water sampling at outfalls during dry weather; 303(d) list.
2. Finding the Pollutant Source – Once problem areas and/or discharges are found, additional efforts will likely be needed to determine the source of the problem. There are several methods that can find the source of the illicit discharge including dye testing, smoke testing, tracing the discharge upstream in the storm sewer, video storm sewer inspection, aerial photography, etc.
3. Removing/Correcting Illicit Connections – Once the source is identified, the offending discharger will be notified and directed to correct the problem. Education efforts and working with the discharger can be effective in resolving the problem before taking legal action.
4. Documentation Actions Taken – As a final step, all actions taken under the plan will be documented. This will illustrate that progress is being made to eliminate illicit connections and discharges. Documentation actions will be included in annual reports and include information such as: the number of outfalls screened; any complaints received and corrected; the number of discharges and quantities of flow eliminated; and if any smoke or dye testing or aerial photography is completed the results of those.

Over the past 2 years, Chickamauga has become more aware of the importance of storm water management. Although generally familiar with the components of an Illicit Discharge Detection and Elimination Program, details of the procedures have yet to be identified. Additional time and assistance is requested from the EPD to help the local government develop an effective program, with the assistance of Walker County staff. Therefore, we propose the following schedule to develop and implement an effective program. It is envisioned that measurable goals will be modified to reflect specific program activities once procedures are finalized.

Measurable Goal(s):

- Development of Illicit Discharge Detection and Elimination Program procedures in concert with Walker County staff.
- Budget for 2005 Chickamauga budget
- Submittal to GA EPD for review and approval
- Implementation Procedures
- Track number of illicit connections found
- Track number of illicit connections repaired/replaced
- Keep record of illegal connections and outfalls.
- Continue to use public education & outreach programs to inform public.
- Track any actions taken on connections and outfalls found.

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Schedule:

a. Interim Milestone Dates (if applicable):

DATE	MILESTONE
April 2004	Adoption of the Illicit Discharge Ordinance thru City Council
May-Dec 2005	Begin enforcing, develop procedures with Walker County enforcement, Determine procedure to follow if illicit discharge is found during dry weather, Keep record of illegal connections and outfalls
August 2004	Determine budget for 2005
Ongoing	Track any actions taken on connections and outfalls found.

b. Implementation Date (if applicable): **Ongoing**

c. Frequency of actions (if applicable): **Ongoing**

d. Month/Year of each action (if applicable): **Ongoing**

Person (position) responsible for overall management and implementation of the BMP:

James W. Powell, Zoning Administrator

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

Illicit Discharges must be identified and corrected.

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Appendix C: Illicit Discharge Detection and Elimination

BMP ID Number: C-3

Best Management Practice: Use Educational Displays and distribute pamphlets, booklets, and mail stuffers to educate the public on storm water related issues

Target audience: Citizens of the City of Chickamauga

Description of BMP: The City of Chickamauga has access to a wealth of resources that could be very beneficial to the general public in the way of educating the citizens on the importance of water quality and quantity, watershed protection, floodplain management, the importance of recycling, hazards associated with illegal discharges into the storm sewer system and improper waste disposal, etc. We have access to pamphlets on tarping your load, book marks and other pamphlets on water quality, a citizens guide to water quality, several booklets and pamphlets on floodplain management, septic tank maintenance, etc. We plan to incorporate many different pamphlets with all different areas of storm water topics covered. The topic at each activity or location could depend on the age or interest specific to those that will be present. Chickamauga has several approaches to this BMP in mind. The first approach would be to gather information and resources and have them readily available to any citizen that would be interested in using our resources. Another would be to make enough contacts through civic organizations and the Walker County Chamber of Commerce that we can work with these groups to help educate and inform the public on these same topics. Another might be to do educational displays in area businesses to provide information.

Measurable Goal(s):

- Compile a list of more specific target audiences and possible activities for each.
- Identify and Review Existing Educational Tools that Exist through the EPD, EPA, P2AD, internet sites, other states, conferences, and other sources
- Track the percentage of materials taken (over what has been placed out) at each event or location and throughout the year.
- Record the number of events or places attended with displays.
- Record the number of people at the event who saw the display (guest book) or took a pamphlet/booklet.

Schedule:

a. Interim Milestone Dates (if applicable):

DATE	MILESTONE
Already started – ongoing project	Identify and Review Existing Educational Tools that Exist through the EPD, EPA, P2AD, internet sites, other states, conferences, and other sources
Already started – ongoing project	Compile a list of more specific target audiences and possible activities for each. Establish a contact list for civic organizations and other agencies to include.
July 2004	Make pamphlets and brochures available County Commissioners Office, Planning Office, and Road Department and track the number disseminated.
December 2004 – yearly	Evaluate the percent of pamphlets taken in comparison to the number obtained or printed to determine if this BMP is effective in getting information to the public.
August 2004	Determine best way to track BMP.
December 2004	Create a display that is mobile and easy to set up.
Already started – on going	Provide books and information on floodplain management to the libraries to include in the resource section of the library. Provide additional materials as they become available.

b. Implementation Date (if applicable): Already started – project on going.

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- c. Frequency of actions (if applicable): Information at City Hall – constantly available
- d. Month/Year of each action (if applicable): not applicable

Person (position) responsible for overall management and implementation of the BMP:
James W. Powell, Zoning Administrator

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

Brochures to begin the program with are readily available at little to no initial cost. If you know that number of people attending a meeting and the number of brochures that are distributed at the meeting then you can track the number of individuals who have received the information.

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Appendix 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.

A. Ordinance Evaluation

1. Does the MS4 have an ordinance, which is adequate to require erosion and sediment controls at construction sites? Yes X No _____ If no, see item #3. **COPY ATTACHED with GA EPD Letter of Certification.**
2. Does the ordinance include sanctions for failure to comply with erosion and sediment control requirements? Yes X No _____ If no, see item #3.
3. If an evaluation of the ordinance must be completed, or the MS4 is aware that the ordinance will require revision, then a schedule for development of the document should be provided:

Date	Interim Task
Feb 2004 - Completed	Approve revised Soil Erosion & Sedimentation Control Ordinance
April 2004- Completed	Submit to State EPD and receive Certification as an Issuing Authority
May-Dec 2004	Develop procedures for inspection and enforcement with Walker County (MOA)
August 2004	Budget for 2005
October 2004	Develop and publish an electronic complaint form on City website, along with phone numbers and email contacts.

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Appendix D: Construction Site Storm Water Runoff Control

BMP ID Number: D-1

Best Management Practice: Soil Erosion & Sedimentation Control Plan Required

Target audience: Developers, Surveyors, Builders, Engineers, and General Public

Description of BMP: City of Chickamauga Georgia adopted a new and improved Soil Erosion & Sedimentation Control Ordinance to allow for enforcement action for violations and to help prevent any violations on the part of a developer. The new ordinance is based on the model soil erosion and sedimentation control ordinance. The ordinance will continue to give City of Chickamauga Georgia the legal authority to carry out site inspections, surveillance, monitoring, and enforcement procedures to ensure compliance at all construction sites and will lower the disturbed acreage to anything one-acre and greater. City of Chickamauga does plan to continue relying on the Coosa River Soil & Water Conservation District for Soil Erosion & Sedimentation Control Plan review.

Measurable Goal(s):

- Adopt the new ordinance by March 2004.
- Review every set of E & S plans prior to sending them to the District office for review.
- Inform those that obtain a permit for any project involving the disturbance of one acre or more of the requirement of the NPDES permit and require submission of the NOI to the County and State.
- Record all complaints and action taken in regard to those complaints.
- Record the number of stop work orders issued and enforcement actions taken.
- Determine the best method for tracking inspections of projects.
- Continue enforcement of the Soil Erosion & Sedimentation Control Ordinance to keep the "Local Issuing Authority" Status.

Schedule:

a. Interim Milestone Dates (if applicable):

DATE	MILESTONE
March 2004-Completed	Adopt the new ordinance.
Ongoing	Review E & S plans prior to sending them to the District office for review.
Apr - Oct 2004	Determine the best method for tracking inspections of projects and procedures using Walker County guidance. Use MOA as needed.
August 2004	Budget for 2005 Chickamauga budget

b. Implementation Date (if applicable): Adopt Ordinance by March 2004

c. Frequency of actions (if applicable): Ongoing

d. Month/Year of each action (if applicable): Ongoing;

Person (position) responsible for overall management and implementation of the BMP:

James W. Powell, Zoning Administrator

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

Chickamauga is a small community with very little development land left. What little development that is allowed will be managed and enforced to ensure water quality is not affected. Clear and correct guidance will be provided for site protection and erosion prevention.

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Appendix D: Construction Site Storm Water Runoff Control

BMP ID Number: D-2

Best Management Practice: Require Site Plan Review to Consider Potential Water Quality Impacts

Target audience: Developers, Surveyors, Builders, Engineers, and General Public

Description of BMP: Chickamauga Georgia has a City Zoning Ordinance which sets requirements and limits on construction in the City of Chickamauga. An integral part of the Zoning Ordinance are the Subdivision Regulations which set the requirements for large developments, most of which exceed the 1 acre threshold of disturbed soil requiring Soil Erosion and Storm Water Plans prior to obtaining a land-disturbance permit. The Subdivision Regulations have been revised and now incorporate the requirement for a site plan review prior to any approval of a subdivision.

Measurable Goal(s):

- Revise Zoning Ordinance Subdivision regulations to require a site plan review
- Record the number of enforcement actions taken.

Schedule:

a. Interim Milestone Dates (if applicable):

DATE	MILESTONE
June 2004- Completed	Revise Chickamauga Subdivision regulations

b. Implementation Date (if applicable): **Revise Subdivision Regulation by June 2004-COPY ATTACHED**

c. Frequency of actions (if applicable): Not Applicable

d. Month/Year of each action (if applicable): Not Applicable

Person (position) responsible for overall management and implementation of the BMP:

James W. Powell, Zoning Administrator

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

Requiring a site plan review will allow potential water quality impact areas to be identified early in the process.

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Appendix D: Construction Site Storm Water Runoff Control

BMP ID Number: D-3

Best Management Practice: Plan Reviews, Site Inspections (scheduled and complaint based), and Enforcement Procedures

Target audience: General Public

Description of BMP: City of Chickamauga currently relies on the Coosa River Soil & Water Conservation District for Soil Erosion & Sedimentation Control Plan Review; however, their current check list does not allow for them to review for things such as containment areas for fuel and other chemicals, waste control plans, concrete washout areas, etc. Chickamauga currently does a preliminary review of the plans before they are submitted to the Coosa River Soil & Water Conservation District for review so we plan to look for these types of system designs during that preliminary review, at least until the District is able to update their checklist. Chickamauga's current ordinance outlines the details of enforcement procedures and it does allow for warnings to be issued and then stop work notices before issuing a citation to go before the Magistrate Judge. Chickamauga is working with Walker County to develop a site inspection checklist, a plan review checklist, and more developed enforcement procedures.

Measurable Goal(s):

- Develop Procedures for Plan Reviews, Site Inspections, and Enforcement Procedures by April 2005 using Walker County Plan
- Develop MOA with Walker County
- Develop Checklist so that Builders and Developers can easily see what is expected during site inspections, when plans are submitted, and what will happen if violations are located.
- Submit procedures to the GA EPD for review, comment, and subsequent approval by July 2005 in concert with Walker County
- Budget for FY 2005 Chickamauga budget
- Take necessary certification courses through the State Soil & Water Conservation Commission as required.

Schedule:

a. Interim Milestone Dates (if applicable):

DATE	MILESTONE
Aug 2004	Develop Procedures for Plan Reviews, Site Inspections, and Enforcement Procedures
April 2005	Develop Checklist so that Builders and Developers can easily see what is expected during site inspections, when plans are submitted, and what will happen if violations are located.
April 2005	Submit to the Chickamauga Planning Commission & City Council for approval
July 2005	Submit procedures to the GA EPD for review, comment, and subsequent approval
As offered	Take necessary certification courses through the State Soil & Water Conservation Commission as required.

- b. Implementation Date (if applicable): On Going
 c. Frequency of actions (if applicable): Not Applicable
 d. Month/Year of each action (if applicable): Not Applicable

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Person (position) responsible for overall management and implementation of the BMP:
James W. Powell, Zoning Administrator

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

Chickamauga currently does random inspections at every subdivision development that comes into Chickamauga and does preliminary and final inspections; however, there is no set of things to look for in writing for the public to be able to see what is expected. The approved plans are the only thing that we currently use as guidelines for site inspections. If a project is an individual and is building his own home where there is no required Erosion Control Plan, then we have nothing set to go by for inspections. Having a written set of guidelines will be beneficial to all involved. This way there will be no question as to how inspections are completed, what is expected, what happens if violations are found, and what is required in a plan review. Regular inspections and a strong enforcement program are key components of every successful erosion and sedimentation control program. Our inspection program will use Walker County's procedures and staff through a MOA.

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Appendix D: Construction Site Storm Water Runoff Control

BMP ID Number: D-4

Best Management Practice: Establish a separate page on the City of Chickamauga, Georgia Website (www.CityofChickamaugaGeorgia.ORG) containing Storm Water Information and additional ways of obtaining more information and an electronic complaint form.

Target audience: Citizens of Chickamauga, Georgia and other interested parties

Description of BMP: Chickamauga has an existing website with expansion capabilities to include Storm Water information. We plan to incorporate many different electronic pamphlets with all different areas of storm water topics covered. We also plan to provide links to other websites for additional information and resources; examples might be Walker County School Systems Website and Eco-Connections, EPA, EPD, P2AD, Center for Watershed Protection, etc. **We will provide an electronic complaint form and email address and other contact information for people who want to ask questions or file official complaints regarding any type of environmental issue or local ordinance.** This will also provide us will valuable input from the community and would help with public involvement and participation.

Measurable Goal(s):

- Identify and review existing, electronically formatted, educational tools through the EPD, EPA, P2AD, internet sites, and other sources
- Update the site quarterly with new information.
- **Provide electronic complaint form on page for complaints and questions in support of Minimum Control Measure #4 – Construction**
- Budget for website expenses for FY 2005
- Record number of hits quarterly and a total for annually to determine effectiveness of webpage

Schedule:

a. Interim Milestone Dates (if applicable):

DATE	MILESTONE
Jan 2004 started – ongoing project	Identify and Review Existing Educational Tools that Exist through the EPD, EPA, P2AD, internet sites, and other sources
Jan 2004 started – ongoing project	Design and publish the new Webpage on the Chickamauga Website
Jan 2004 started – ongoing project	Make the page available to all users and continue to update quarterly and improve the WebPages with latest information and track number of visitors
Aug 2004	Budget for website storm water expenses for FY 2005
Oct 2004	Provide electronic complaint form on website
December 2004 – yearly	Evaluate the number of visitors to the web page to determine if this BMP is effective in getting information to the public.

b. Implementation Date (if applicable): **Already started – January 2004**

c. Frequency of actions (if applicable): **Update Quarterly – completed thru Apr 30, 2004**

d. Month/Year of each action (if applicable): **Jan 30, Apr 30, Jul 30, Oct 30 each year**

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Person (position) responsible for overall management and implementation of the BMP:
James W. Powell, Zoning Administrator - Webmaster

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

Chickamauga already has a website and webmaster to construct the page and keep it updated. Adding to or updating the website with additional pages would be at little to no extra cost to the City and has the potential to reach a lot of our computer savvy residents and other interested parties.

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Appendix D: Construction Site Storm Water Runoff Control

BMP ID Number: D-5

Best Management Practice: Plan Reviews, Site Inspections (scheduled and complaint based), Enforcement Procedures, and Maintenance Procedures

Target audience: General Public

Description of BMP: Chickamauga’s Post-Construction Ordinance outlines the details of required storm water pollution prevention plans, enforcement procedures and it does allow for warnings to be issued and then stop work notices before issuing a citation to go before the Magistrate Judge. Chickamauga, in coordination with Walker County, is in the process of developing a site inspection checklist, a plan review checklist, and enforcement procedures. Chickamauga will forward required Storm Water Plans to the Chickamauga City engineering firm for Storm Water and Pollution Prevention Plan review. However, a MOA will be developed with Walker County for assistance in site inspections and enforcement. We also plan to require the developer’s design professional do a final inspection to ensure the storm water system for the individual projects are installed and are functioning the way that it was designed to function and that the design was appropriate. At this point, any modifications that need to be made will be pointed out. Any complaints that come in from the public will come in to the one of several places, these include the planning office or by email. These complaints will be investigated in a timely manner and documented. More detailed procedures are currently being developed and will be reviewed by all involved before being submitted to the GA EPD for review, comment, and subsequent approval, in coordination with Walker County.

Measurable Goal(s):

- Develop Procedures for Plan Reviews, Site Inspections, and Enforcement Procedures by April 2005
- Develop Checklist so that Builders and Developers can easily see what is expected during site inspections, when plans are submitted, and what will happen if violations are located.
- Submit to all involved parties for review.
- Approval by the City Council for submittal to the GA EPD.
- Develop MOA with Walker County
- Budget for FY 2005 Chickamauga budget
- Submit procedures to the GA EPD for review, comment, and subsequent approval by July 2005

Schedule:

a. Interim Milestone Dates (if applicable):

DATE	MILESTONE
Aug 2004	Budget for 2005 Chickamauga Budget
April 2005	Develop Procedures for Plan Reviews, Site Inspections, and Enforcement Procedures
April 2005	Develop Checklist so that Builders and Developers can easily see what is expected during site inspections, when plans are submitted, and what will happen if violations are located.
June 2005	Submit to the City Council for approval
July 2005	Submit procedures to the GA EPD for review, comment, and subsequent approval

- b. Implementation Date (if applicable): July 2005
 c. Frequency of actions (if applicable): Not Applicable
 d. Month/Year of each action (if applicable): Not Applicable

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Person (position) responsible for overall management and implementation of the BMP:
James W. Powell, Zoning Administrator

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

Having a written set of guidelines will be beneficial to all involved. This way there will be no question as to how inspections are completed, what is expected, what happens if violations are found, and what is required in a plan review. Regular inspections and a strong enforcement program are key components of every successful storm water program. A MOA with Walker County will allow use of their procedures and staff, which we will mirror.

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**Appendix 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 which 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.

Ordinance Evaluation

1. Does the MS4 have an ordinance that effectively controls runoff from new development or redevelopment construction sites?

Yes X No _____

If yes, submit a copy as an addendum to this form. **COPY Attached with Attorney Certification**

2. If an evaluation of the ordinance must be completed, or the MS4 is aware that the ordinance will require revision, then a schedule for development of the document should be provided: **N/A**

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**Appendix E: Post-Construction Storm Water Management
 in New Development and Redevelopment**

BMP ID Number: E-1

Best Management Practice: Plan Reviews, Site Inspections (scheduled and complaint based), Enforcement Procedures, and Maintenance Procedures

Target audience: General Public

Description of BMP: Chickamauga’s Post-Construction Ordinance outlines the details of required stormwater pollution prevention plans, enforcement procedures and it does allow for warnings to be issued and then stop work notices before issuing a citation to go before the Magistrate Judge. Chickamauga, in coordination with Walker County, is in the process of developing a site inspection checklist, a plan review checklist, and enforcement procedures. Chickamauga will forward required Storm Water Plans to the Chickamauga City engineering firm for Storm Water and Pollution Prevention Plan review. However, a MOA will be developed with Walker County for assistance in site inspections and enforcement. We also plan to require the developer’s design professional do a final inspection to ensure the stormwater system for the individual projects are installed and are functioning the way that it was designed to function and that the design was appropriate. At this point, any modifications that need to be made will be pointed out. Any complaints that come in from the public will come in to the one of several places, these include the planning office or by email. These complaints will be investigated in a timely manner and documented. More detailed procedures are currently being developed and will be reviewed by all involved before being submitted to the GA EPD for review, comment, and subsequent approval, in coordination with Walker County.

Measurable Goal(s):

- Develop Procedures for Plan Reviews, Site Inspections, and Enforcement Procedures by April 2005
- Develop Checklist so that Builders and Developers can easily see what is expected during site inspections, when plans are submitted, and what will happen if violations are located.
- Submit to all involved parties for review.
- Approval by the City Council for submittal to the GA EPD.
- Develop MOA with Walker County
- Budget for FY 2005 Chickamauga budget
- Submit procedures to the GA EPD for review, comment, and subsequent approval by July 2005

Schedule:

a. Interim Milestone Dates (if applicable):

DATE	MILESTONE
Aug 2004	Budget for 2005 Chickamauga Budget
April 2005	Develop Procedures for Plan Reviews, Site Inspections, and Enforcement Procedures
April 2005	Develop Checklist so that Builders and Developers can easily see what is expected during site inspections, when plans are submitted, and what will happen if violations are located.
June 2005	Submit to the City Council for approval
July 2005	Submit procedures to the GA EPD for review, comment, and subsequent approval

b. Implementation Date (if applicable): July 2005

c. Frequency of actions (if applicable): Not Applicable

d. Month/Year of each action (if applicable): Not Applicable

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Person (position) responsible for overall management and implementation of the BMP:
James W. Powell, Zoning Administrator

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

Having a written set of guidelines will be beneficial to all involved. This way there will be no question as to how inspections are completed, what is expected, what happens if violations are found, and what is required in a plan review. Regular inspections and a strong enforcement program are key components of every successful stormwater program. A MOA with Walker County will allow use of their procedures and staff, which we will mirror.

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Appendix 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.

BMP ID Number: F-1

Best Management Practice: Staff Training Program

Target audience: Chickamauga Grounds and Maintenance Staff

Description of BMP: City of Chickamauga will utilize existing and newly developed training from Walker County through the use of a MOA. Walker County's Fire and Rescue has a very well established and trained Hazardous Materials Team, one of very few in our area. This BMP is proposed to allow an MOA be developed with Walker County to allow their staff to train the Chickamauga staff in the appropriate areas about spill prevention, water pollution prevention, hazardous materials handling and disposal, how to avoid spills and what to do in the event that a spill occurs.

Measurable Goal(s):

- Work with Walker County staff to develop the Spill Prevention and Control Training Program appropriate for Chickamauga staff
- Determine which employees need to be trained and which style of training for each is appropriate.
- Determine the best method for training the most employees and set a goal (date) for training those employees.
- Determine an appropriate schedule to hold training course (at least one per year).
- Budget for Chickamauga budget
- Track the number of employees trained
- Record topics of each year's courses.

Schedule:

a. Interim Milestone Dates (if applicable):

DATE	MILESTONE
October-December 2004	Work with Walker County to develop appropriate training.
October 2004	Develop budget for 2005 and submit to City Council.
October-December 2004	Determine which employees need to be trained and which style of training for each is appropriate.
October-December 2004	Determine the best method for training the most employees and set a goal (date) for training those employees.
December 2004	Determine an appropriate schedule to hold training course (at least one per year).

b. Implementation Date (if applicable): December 2004

c. Frequency of actions (if applicable): annually

d. Month/Year of each action (if applicable): to be determined

Person (position) responsible for overall management and implementation of the BMP:

James W. Powell, Zoning Administrator

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

Training our employees will help with awareness and prevent many accidents from happening. It will make our employees more aware of the chemicals and hazardous materials that they do handle and the potential for damage that could occur if the materials are not handled or disposed of appropriately. MOA with Walker County will allow use of their expertise and avoid duplication of effort.

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Appendix F: Pollution Prevention/ Good Housekeeping for Municipal Operations

BMP ID Number: F-2

Best Management Practice: Develop Good Record Keeping Procedures

Target audience: Chickamauga Government Staff

Description of BMP: Chickamauga is responsible for many activities under the Phase II NPDES Permit, including reporting activities listed in the NOI to the GA EPD in an annual report. A set record procedure or tracking system will be maintained so that all activities approved will be recorded on a regular basis as part of a standard operating procedure. Currently, the Chickamauga Zoning Administrator, tracks complaints and work orders in paper format. As the Storm Water Management Program expands, we plan to establish a more reliable and more usable tracking system. This system has yet to be determined. Walker County is looking for a system that will save the County time in report preparation and will increase the accuracy of their records. Chickamauga intends to partner with Walker County to reduce costs and prevent duplication of effort while allowing an easy cross reference between the systems.

Measurable Goal(s):

- Partner with Walker County to obtain affordable software
- Determine which software package best meets our needs and get approval from City Council for the software package.
- Budget for purchase in 2005

Schedule:

a. Interim Milestone Dates (if applicable):

DATE	MILESTONE
September 2004	Work with Walker County to determine software needs
October 2004	Compile a list of software packages that meet our needs and price range.
October 2004	Determine which software package best meets our needs get approval by the City Council
October 2004	Budget for FY 2005 Chickamauga Budget
May 2005	Purchase software package.

b. Implementation Date (if applicable): May 2005

c. Frequency of actions (if applicable): on going after May 2005

d. Month/Year of each action (if applicable): Annual Report December 2004, December 2005, December 2006

Person (position) responsible for overall management and implementation of the BMP:

James W. Powell, Zoning Administrator

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

The NPDES Storm Water Phase II Permit requires annual reports to the GA EPD. The reports will show how well the BMPs are working and how Chickamauga is doing implementing the approved program and if we are in compliance with the approved permit. Use of a better record keeping system will help facilitate accurate reporting and quick and easy preparation of the annual report.

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Appendix F: Pollution Prevention/ Good Housekeeping for Municipal Operations

BMP ID Number: F-3

Best Management Practice: Inspection, Operation & Maintenance (O & M) Program for all municipally owned drainage structures.

Target audience: City of Chickamauga Maintenance Staff

Description of BMP: Chickamauga has both paved and unpaved roads, most have ditches, culverts, etc. that must be maintained on a regular bases. Some areas have curb and guttering with storm drains and catch basins. There is no inventory of all of the BMPs that exist, so the first step will be to inventory all of the existing drainage structures and update the list as time goes on. While inventorying things that should be noted are the condition of the structure, size, any repairs that need to be completed, priority, clean out time period, what type of structure is it, where is it located, any special tools or fluids needed for maintenance, the frequency for performing the task(s)etc. A form for inventory/inspections shall be developed for easy review. The City already does periodic maintenance of roadside ditches and tiles; however, there is not really an established operation and maintenance schedule. Chickamauga proposes that we develop an inventory and routine schedule of all existing structures in order to track the progress that we make and for reporting purposes. It will also allow us to determine problem areas and help with scheduling in the future for capital improvement projects. One item we will consider is the purchase of a street sweeper for the downtown area. We do currently address complaint calls also through the City Hall staff that are tracked in the daily log of work orders. Additional time and assistance is requested from the GA EPD to help the local government design and effective program. There will be many challenges. The Georgia Department of Transportation (DOT) is responsible for several main roads and the main thoroughfare through the older City and newly annexed areas. This street and other roads that the DOT is responsible for have some problems, the City is not allowed to maintain the right-of-ways of state roads and the DOT is severely understaffed and under-equipped. Therefore we propose the following schedule for development and implementation of this BMP. It is envisioned that the measurable goals may be modified over time to reflect specific program activities once procedures are finalized.

Measurable Goal(s):

- Develop procedure and form for use in inventory/inspections.
- Complete an inventory of existing drainage structures in the City.
- Update inventory as new development occurs.
- Determine equipment needed, i.e. street sweeper
- Establish an operation and maintenance schedule for all municipally owned drainage structures.
- Update tracking procedures to electronic format.
- Submit procedures to the GA EPD for review, comment, and subsequent approval.

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Schedule:

a. Interim Milestone Dates (if applicable):

DATE	MILESTONE
Aug 2004	Budget for FY 2005 Chickamauga Budget
September 2005	Develop a procedure and form for use in inventory/inspections.
January 2005	Complete an inventory of existing drainage structures in City.
January 2006 ongoing	Update inventory as new development occurs.
February 2005	Establish an operation and maintenance schedule for all municipally owned drainage structures.
February 2005	Submit procedures to the GA EPD for review, comment, and subsequent approval.
March 2005	Update tracking procedures to electronic format.

b. Implementation Date (if applicable): March 2005

c. Frequency of actions (if applicable): Not Applicable

d. Month/Year of each action (if applicable): Not Applicable

Person (position) responsible for overall management and implementation of the BMP:

James W. Powell, Zoning Administrator

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

This BMP will help Chickamauga identify unknown problems that need to be resolved. It will also help track the work that employees do on a daily basis making existing employees more efficient and will help with budgeting in the future because the City will have a list of projects that will need to be addressed on the coming year's budgets. One of the main goals of the Post Construction Minimum Control Measure is to not only evaluate the need for and install where necessary structural and or non-structural controls that protect water quality, but to ensure that they are functioning as they were designed to function. One reliable way that we can ensure maximum functioning is by maintaining them on a routine basis or as necessary. Locating and recording existing structures and their condition will aide in determining which ones are failing or outdated because of new growth, etc. Keeping storm water controls properly maintained will minimize chances for failure with subsequent water quality degradation, extend the life of the system, and save the City and affected property owners money.

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Appendix F: Pollution Prevention/ Good Housekeeping for Municipal Operations

BMP ID Number: F-4

Best Management Practice: Procedures to Assess Existing Flood Management Projects for Retrofitting and to Evaluate Effectiveness of New Flood Management Projects for Impacts on water quality.

Target audience: City of Chickamauga Staff

Description of BMP: City staff will design and implement procedures to assess existing flood management projects for retrofitting and to Evaluate Effectiveness of New Flood Management Projects for Impacts on water quality to ensure that the local storm water system is functioning properly and to determine if additional quality protection devices or practices are necessary. Walker County will help facilitate the location of flood prone areas and the changes that have occurred in our flood hazard areas. One major thing that Walker County has done is to obtaining 2-ft contour intervals for the entire County, including all cities, in order to submit this information in GIS format to the Federal Emergency Management Agency in order to update our Flood Insurance Rate Maps and Study. With this in mind, we propose the following schedule to develop and implement this BMP. It is envisioned that the measurable goals will be modified to reflect specific program activities once procedures are finalized.

Measurable Goal(s):

- Develop procedures to Assess Existing Flood Management Projects for Retrofitting
- Submit proposed procedures to GA EPD for review, comment and subsequent approval
- Continually work with FEMA to update our FIRMs.

Schedule:

a. Interim Milestone Dates (if applicable):

DATE	MILESTONE
June 2006	Develop procedures to Assess Existing Flood Management Projects for Retrofitting
August 2006	Submit proposed procedures to GA EPD for review, comment and subsequent approval

b. Implementation Date (if applicable): September 2006

c. Frequency of actions (if applicable): Not Applicable

d. Month/Year of each action (if applicable): Not Applicable

Person (position) responsible for overall management and implementation of the BMP:

James W. Powell, Zoning Administrator

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

Established effective procedures to assess existing flood management projects for retrofitting is important due to limited resources. Once implemented, the program will also help reduce the amount of pollution entering storm drains, and ultimately discharge into local streams.