

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)
STORM WATER MANAGEMENT PROGRAM (SWMP)**

**NPDES STORMWATER PERMIT
NUMBER ALR040044
Chickasaw, Alabama
Volkert Job Number 436500.06**

Prepared for:

**The City of Chickasaw
Mayor Byron Pittman
224 North Craft Highway
Chickasaw, Alabama 36671**

June 2014

Prepared by:

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1.0 CERTIFICATION AND INTRODUCTION

1.1 Certification

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 gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information 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.

The Honorable Byron Pittman
Mayor, City of Chickasaw



Signature

6-24-14
Date

1.2 List of Contacts

The following individuals may be contacted to address questions or concerns regarding this report:

The Honorable Byron Pittman

Mayor, City of Chickasaw
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1.3 Overview

On November 16, 1990, the Environmental Protection Agency (EPA) ruled that municipalities and industry share the responsibility to improve the water quality of the “Waters of the United States”. In accordance with this rule, the EPA created regulations for NPDES Storm Water Permits for municipalities and permits associated with industrial activity. These regulations are aimed at reducing the amount of non-point source pollution that is currently the leading cause of water pollution.

The Water Quality Act involves a two-phased municipal permitting program that requires municipalities of certain populations to establish discharge controls to the Maximum Extent Practicable (MEP), to effectively prohibit non-storm water discharges to the municipal separate storm sewer systems, and where necessary, to contain applicable water quality based controls. Compliance with the maximum extent practicable requirement can be attained by developing a storm water management plan that addresses the six minimum control measures described in the storm water regulations and detailed in fact sheets developed and provided by EPA.

On December 27, 2013, The City of Chickasaw, with a population of 6,010 according to the 2013 census, was granted coverage under the MS4 Phase II General Permit ALR040044, replacing the Phase I General Permit ALS00002. To fulfill the requirements of this permit, The City of Chickasaw has developed a Storm Water Management Program (SWMP).

1.4 Objective of the Storm Water Management Program (SWMP)

The purpose of the Storm Water Management Program is to reduce the discharge of pollutants to the maximum extent practicable, protect water quality, and satisfy the appropriate water quality requirements of the Clean Water Act. The SWMP consists of a comprehensive list of Best Management Practices (BMP's) that addresses the following six minimum control measures as outlined in Section III.B of the Phase II NPDES Permit:

1. Public Education and Outreach on Storm Water Impacts
2. Public Involvement/Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Storm Water Runoff Control
5. Post-Construction Storm Water Management in New Development and Redevelopment
6. Pollution Prevention/Good Housekeeping for Municipal Operations

Each BMP Summary Sheet includes a description of the BMP, target audience, measurable goals, implementation schedule, performance measures, and the person(s) responsible for ensuring that each BMP is implemented.

The City of Chickasaw is committed to fulfilling the requirements of the Phase II NPDES Permit by implementing the practices outlined in the SWMP. The City does not have the financial resources to dedicate personnel solely to storm water quality; however, the responsibilities of the SWMP are shared among City employees and community volunteers who recognize the importance of protecting our streams and waterways from degradation.

2.0 BEST MANAGEMENT PRACTICES

2.1 Best Management Practices Summary

Minimum Control Measure	BMP ID	BMP TITLE
Public Education and Outreach	1-1	Storm Water Webpage
	1-2	Storm Water Outreach Materials
	1-3	Education and Training for City Employees.
Public Involvement/Participation	2-1	Big Fall Clean Sweep
	2-2	Coastal Clean-Up
	2-3	Chickasaw Community Patrol
Illicit Discharge Detection and Elimination	3-1	Map of Major Outfall and Structural BMP's
	3-2	Ordinance 1540
	3-3	Illicit Discharge Response
	3-4	Dry Weather Screening
	3-5	Handling of Spills
Construction Site Storm Water Runoff Control	4-1	Ordinance 1540
	4-2	Construction Site Plan Reviews and Inspections
Post-Construction Storm Water Management	5-1	Post-Construction Storm Water Management Ordinance
	5-2	Post-Construction Plan
	5-3	Post-Construction BMP Operation and Maintenance Agreement
Pollution Prevention/Good Housekeeping	6-1	Structural Controls Maintenance
	6-2	Roadway Maintenance
	6-3	Ordinance 3704
	6-4	Spraying of Herbicide
	6-5	Cleaning of Parks
	6-6	Sanitary Sewer Overflow (SSO) Prevention

MINIMUM CONTROL MEASURE ONE: PUBLIC EDUCATION AND OUTREACH

Permit Requirement: The permittee must implement a public education and outreach program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff to the maximum extent practicable.

BMP ID	BMP TITLE
1-1	Storm Water Webpage
1-2	Storm Water Outreach Materials
1-3	Education and Training for City Employees.

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Public Education and Outreach
BMP Identification Number: 1-1

BMP Title: Storm Water Webpage
BMP Description: <p>The City of Chickasaw will develop a webpage on the City's website dedicated to educating the public about storm water pollution. The page will include information on why it's important for residents to assist with keeping storm water free of pollutants, in addition to providing Best Management Practices the homeowner can employ in areas such as vehicle maintenance, lawn and garden upkeep, home repair and improvement, pet care, swimming pool maintenance, and septic system management. Additionally, the webpage will include information for businesses on good storage practices, materials management, spill response and prevention, and illegal dumping control.</p> <p>The page will also include links to the City's Storm Water Management Plan (SWMP) and Annual Reports, brochures and handouts that can be easily downloaded and distributed, and applicable ordinances.</p>
Target Audiences: <p>Residents, Businesses</p>
Measurable Goals: <ol style="list-style-type: none">1. Develop a City webpage specifically dedicated to storm water pollution.2. Update and maintain the webpage with annual reports, the City's SWMP, applicable ordinances, and any new information regarding storm water pollution.
Timeline/Implementation Schedule: <ol style="list-style-type: none">1. The Storm Water Webpage will be developed by the end of Year 1.2. Updating and maintenance will be as needed.
Performance Measures: <ol style="list-style-type: none">1. Creation of Storm Water Webpage and updates as needed.
Responsible Party: <p>Name: Rachael Stubbs Department: City Clerk</p>

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Public Education and Outreach
BMP Identification Number: 1-2

BMP Title: Storm Water Outreach Materials
BMP Description: <p>The City of Chickasaw will dedicate a section of the newsletter that is sent to residents every two months to educational material related to storm water pollution. Also included in the newsletter will be announcements of upcoming clean-up and beautification events.</p> <p>The educational material included in the newsletter will be short and concise: for example, the “do’s and don’ts of storm water pollution” or “the top 10 ways you can help prevent storm water pollution.”</p>
Target Audiences: Residents, Businesses
Measurable Goals: <ol style="list-style-type: none">1. Every newsletter will include storm water-related educational information and event announcements.2. Every Chickasaw resident will receive a newsletter.
Timeline/Implementation Schedule: <ol style="list-style-type: none">1. The addition of storm water-related information to newsletters will be completed by the end of Year 1.2. Every resident will receive each published newsletter by the end of the Year 1.
Performance Measures: <ol style="list-style-type: none">1. Documentation of storm water related material in each newsletter.2. Number of newsletters distributed.
Responsible Party: Name: Kathy Couey Department: Recreation Department

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Public Education and Outreach
BMP Identification Number: 1-3

BMP Title: Education and Training for City Employees
BMP Description: <p>The City of Chickasaw makes a concerted effort to ensure that all City employees are provided opportunities for education and training such as code official meetings, wastewater and hazardous material training. The City will continue to encourage and fund the needed training for their employees.</p> <p>In order to further assist with educating City employees about storm water pollution, the Environmental Officer will meet annually with department heads to discuss topics concerning storm water, such as how to identify and report an illicit discharge. Department heads will then disseminate this information, along with applicable EPA pamphlets, to their department employees.</p> <p>The City will also periodically include storm water management tips with City employee paystubs.</p>
Target Audiences: <p>City Employees</p>
Measurable Goals: <ol style="list-style-type: none">1. The City will continue to provide City employees opportunities for education and training.2. The City's Environmental Officer will provide information about storm water pollution through annual meetings in February with department heads.3. The City will include storm water inserts with City employee paystubs.
Timeline/Implementation Schedule: <ol style="list-style-type: none">1. Implemented and Ongoing: The City will continue to provide opportunities for education and training.2. The Environmental Officer will begin meeting with department heads in February 2015.3. The City will include storm water inserts with employee paystubs by the end of Year 1.
Performance Measures: <ol style="list-style-type: none">1. Documentation of all training and workshops attended each year, including dates and topics covered.2. Documentation of meetings with department heads, including dates, topics discussed, and which brochures or pamphlets were distributed, if applicable.3. Documentation of storm water inserts that are included with employee paystubs.
Responsible Party: <p>Name: Hal Ewing/Carnes Craig</p> <p>Department: Environmental Officer/Building Inspection Department</p>

MINIMUM CONTROL MEASURE TWO: PUBLIC INVOLVEMENT AND PARTICIPATION

Permit Requirement: The permittee must, at a minimum, comply with applicable State and local public notice requirements when implementing a public involvement/participation program. The permittee shall implement ongoing activities for public involvement through mechanisms such as advisory councils, watershed associations, committees, participation on rate structures, stewardship programs, and environmental related activities. The permittee shall also implement a process to facilitate opportunities for direct action, education, and volunteer programs such as storm drain stenciling, urban stream cleanup, and volunteer monitoring.

BMP ID	BMP TITLE
2-1	Big Fall Clean Sweep
2-2	Coastal Clean-Up
2-3	Chickasaw Community Patrol

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Public Involvement and Participation
BMP Identification Number: 2-1

BMP Title: Big Fall Clean Sweep

BMP Description:

One event that the City of Chickasaw organizes to provide an opportunity for the public to participate in controlling litter is the Big Fall Clean Sweep in September. The City provides drop-off locations for residents to bring their old junk, scrap metal, appliances, tree limbs, yard debris, and old tires. The City properly disposes of these items at a permitted landfill.

As required by the NPDES Phase II Permit, the City will comply with applicable State and local public notice requirements when planning a clean-up event. Currently, the City provides notices of events in utility bills, newsletters, road signs, and by posting flyers in City Hall.

Target Audiences:

General Public, Residents

Measurable Goals:

1. The City will comply with public notice requirements and publicize events to help facilitate maximum participation.
2. The City will continue to hold the Big Fall Clean Sweep in September.
3. The City will track the amount of trash collected at the end of the event.

Timeline/Implementation Schedule:

1. Implemented and Ongoing: The City will continue to hold the Big Fall Clean Sweep event while complying with public notice requirements.

Performance Measures:

1. Documentation of public notices of clean-up events.
2. Pictures capturing event participation.
3. Documentation of the amount of trash collected.

Responsible Party:

Name: Carnes Craig

Department: Building Inspection Department

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Public Involvement and Participation
BMP Identification Number: 2-2

BMP Title: Coastal Clean-Up
BMP Description: <p>The City of Chickasaw participates in the annual Coastal Clean-up, which is a statewide event held in September. The City promotes the event by encouraging residents to bring their boats, canoes, and kayaks to help clean up the local waterways. Volunteers are provided necessary supplies at registration, including bags, gloves, and a free t-shirt.</p> <p>As required by the NPDES Phase II Permit, the City will comply with applicable State and local public notice requirements when planning a clean-up event. Currently, the City provides notices of events in utility bills, newsletters, road signs, and by posting flyers in City Hall.</p>
Target Audiences: <p>General Public, Residents</p>
Measurable Goals: <ol style="list-style-type: none">1. The City will comply with public notice requirements and publicize events to help facilitate maximum participation.2. The City will continue to participate in the Coastal Clean-Up.3. The City will track the number of participants for the Coastal Clean-up.
Timeline/Implementation Schedule: <ol style="list-style-type: none">1. Implemented and Ongoing: The City will continue to participate in the Coastal Clean-Up while complying with public notice requirements.2. The City will begin tracking the number of participants at the next Coastal Clean-Up event in September.
Performance Measures: <ol style="list-style-type: none">1. Documentation of public notices of clean-up events.2. Pictures capturing event participation.3. Documentation of the number of participants.
Responsible Party: <p>Name: Carnes Craig Department: Building Inspection Department</p>

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Public Involvement and Participation
BMP Identification Number: 2-3

BMP Title: Chickasaw Community Patrol
BMP Description: The Chickasaw Community Patrol is a volunteer citizen group that monitors the streets of Chickasaw day and night looking for any issues that the City needs to address. These issues include break-ins, burglaries, flooded streets, street repairs, littered streets, overgrown vegetation, etc. In cases of storm water related issues, such as drainage stoppage due to tree limbs or leaves, work orders are initiated once the volunteers report the issue to the City docket.
Target Audiences: Residents, City Staff
Measurable Goals: <ol style="list-style-type: none">1. The City will continue to work with and encourage Chickasaw Community Patrol to recognize and report all storm water issues.2. The City will ensure that all reports are documented and investigated.
Timeline/Implementation Schedule: <ol style="list-style-type: none">1. Implemented and ongoing: The City will continue to work with Chickasaw Community Patrol.2. A system to ensure that all reports are documented and promptly investigated will be implemented by the end of Year 1.
Performance Measures: <ol style="list-style-type: none">1. Documentation of reports received from Chickasaw Community Patrol volunteers and results of investigations, if applicable.
Responsible Party: Name: Chief Mike Reynolds Department: Chickasaw Public Safety Department

MINIMUM CONTROL MEASURE THREE: ILLICIT DISCHARGE DETECTION AND ELIMINATION

Permit Requirement: The permittee must develop an SWMP that includes an ongoing program to detect and eliminate illicit discharges into the permittee's small MS4, and improper disposal, including spills not under the purview of another responding authority, into the MS4 owned and operated by the permittee, to the maximum extent practicable.

BMP ID	BMP TITLE
3-1	Map of Major Outfalls and Structural BMP's
3-2	Ordinance 1540
3-3	Illicit Discharge Response
3-4	Dry Weather Screening
3-5	Handling of Spills

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Illicit Discharge Detection and Elimination
BMP Identification Number: 3-1

BMP Title: Map of Major Outfall and Structural BMP's
BMP Description: The City of Chickasaw will maintain a map of the major storm water outfall and the ten (10) field screening locations that will be discussed in more detail in BMP 3-4. Additionally, the map will also include the detention ponds that are inspected and maintained by the City.
Target Audiences: N/A
Measurable Goals: <ol style="list-style-type: none">1. Maintain existing map of the major storm water outfall and field screening locations.2. Add detention pond locations to existing map.3. Update map to include new structural controls or other storm water system elements.
Timeline/Implementation Schedule: <ol style="list-style-type: none">1. Implemented and Ongoing: The City will continue to maintain the existing map.2. The detention pond locations will be added to the existing map by the end of Year 1.3. The map will be updated as needed.
Performance Measures: <ol style="list-style-type: none">1. Updated map showing detention pond locations.
Responsible Party Name: Sam Rawls Department: Public Works Director

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Illicit Discharge Detection and Elimination
BMP Identification Number: 3-2

BMP Title: Ordinance 1540
BMP Description: <p>The City of Chickasaw has in place an ordinance that provides enforcement measures for illicit discharges. Ordinance 1540 makes it unlawful to do the following:</p> <ol style="list-style-type: none">1. Allow any liquid to run continuously into the streets and the storm drain system or to discharge a pollutant to the City's storm sewer system, with the exception of discharges covered by an NPDES permit.2. Release or threaten release of hazardous materials into the environment or to transport, store, and offer to transport any hazardous materials unless each material is properly packaged, marked, and accompanied by proper documentation. <p>The Ordinance also authorizes City officials to enter the grounds of any facility suspected of an illegal discharge, in addition to being reimbursed for the ceasing of a discharge from a facility that is suspected of being harmful to human health or the environment.</p>
Target Audiences: <p>Residents, Businesses</p>
Measurable Goals: <ol style="list-style-type: none">1. The City will continue to update Ordinance 1540 as needed.2. The City will provide a link to the Ordinance 1540 on the City's newly-created Storm Water Webpage as detailed in BMP 1-1.
Timeline/Implementation Schedule: <ol style="list-style-type: none">1. Ordinance 1540 will be reviewed and updated as needed.2. The link to Ordinance 1540 on the Storm Water Webpage will be completed by the end of Year 1.
Performance Measures: <ol style="list-style-type: none">1. Documentation of any changes to Ordinance 1540.2. Addition of the link to Ordinance 1540 on the Storm Water Webpage and the number of views and/or downloads.
Responsible Party <p>Name: Hal Ewing Department: Environmental Officer</p>

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama

Minimum Control Measure: Illicit Discharge Detection and Elimination

BMP Identification Number: 3-3

BMP Title: Illicit Discharge Response
BMP Description: As stated in BMP 3-2: Ordinance 1540 authorizes City Officials to investigate any suspected illicit discharges and issue citations, if necessary. Currently, illicit discharge complaints are received by the City Police Department and recorded in their docket. The complaints are then forwarded to the appropriate department for investigation. The City keeps records of all reported illicit discharge complaints and the results of any investigations, including whether citations were issued, and any plans for follow-up.
Target Audiences: Residents, Businesses
Measurable Goals: <ol style="list-style-type: none">1. The City will record every report of illicit discharges, including dates, times, locations, and persons responsible.2. The City will promptly respond to and investigate all reports of illicit discharges and take appropriate enforcement measures.3. All warnings and citations for illicit discharges will be recorded and tracked for future follow-up.
Timeline/Implementation Schedule: <ol style="list-style-type: none">1. Implemented and Ongoing: The City has in place a system for reporting, documenting, and investigating illicit discharge complaints.2. The City will establish a central location for filing investigation results.
Performance Measures: <ol style="list-style-type: none">1. Documentation of illicit discharge complaints and the results of all investigations.
Responsible Party Name: Hal Ewing Department: Environmental Officer

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Illicit Discharge Detection and Elimination
BMP Identification Number: 3-4

BMP Title: Dry Weather Screening
BMP Description: Dry weather screening is performed to identify illicit discharges throughout the system. Screening stations are examined during dry conditions to verify that flow exists only during rainfall events and to manually inspect for contaminants. Routine dry weather screening is handled by the City's Drainage Department. Field screening locations are selected based upon their proximity to major streams systems, drainage basins, and urban development.
Target Audiences: N/A
Measurable Goals: <ol style="list-style-type: none">1. The City will continue to conduct dry weather screening to ensure flow only exists during rainfall events.2. The City will keep a record of each dry weather screening, along with a description of results for each station.
Timeline/Implementation Schedule: <ol style="list-style-type: none">1. Implemented & Ongoing: The City will continue to conduct dry weather screening.2. Implemented & Ongoing: The City will continue to keep record of dry weather screenings and results.
Performance Measures: <ol style="list-style-type: none">1. Records of dry weather screenings and results.
Responsible Party Name: Sam Rawls Department: Public Works Director

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Illicit Discharge Detection and Elimination
BMP Identification Number: 3-5

BMP Title: Handling of Spills
BMP Description: <p>The Chickasaw Police Department has developed and implemented a Procedural General Order (PGO) for the reporting and handling of hazardous and/or toxic material spills and incidents. Public Service Officers are first responders trained in hazardous materials and their containment. The City has mutual aid agreements through the Alabama Emergency Management Agency (EMA) with the City of Mobile and the City of Saraland Fire Departments which includes their HazMat units.</p> <p>The City's Public Safety Department (PSD) has made a concerted effort to insure that the PSD is ready to respond to manmade or natural disasters. The PSD strives to maintain a strong working relationship with Federal and State agencies, local EMA, and surrounding municipalities.</p>
Target Audiences: N/A
Measurable Goals: <ol style="list-style-type: none">1. The City will review and update the Procedural General Order for spills and incidents.2. The City will provide a refresher course on the reporting and handling of spills for PSD employees.3. The City will continue to maintain relationships with HazMat teams in surrounding municipalities to ensure a timely response in the event of a hazardous or toxic spill.
Timeline/Implementation Schedule: <ol style="list-style-type: none">1. The Procedural General Order will be reviewed once a year and updated as needed.2. The refresher course will be given once a year.3. Relationships will be maintained with HazMat teams of surrounding municipalities on an ongoing basis.
Performance Measures: <ol style="list-style-type: none">1. Documentation of reviews and updates to the PGO for hazardous spills and incidents.2. Documentation of annual refresher course for PSD employees.3. Documentation of any procedural changes in the responses from HazMat teams of surrounding municipalities.
Responsible Party Name: Chief Mike Reynolds Department: Public Safety Department

**MINIMUM CONTROL MEASURE FOUR:
CONSTRUCTION SITE STORM WATER
RUNOFF CONTROL**

Permit Requirement: Within 730 days from the effective date of coverage under this permit, all Permittees must develop, implement, and enforce a program to reduce, to the maximum extent practicable, pollutants in any storm water runoff to the regulated MS4 from qualifying construction sites.

BMP ID	BMP TITLE
4-1	Ordinance 1540
4-2	Construction Site Plan Reviews and Inspections

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Construction Site Storm Water Runoff Control
BMP Identification Number: 4-1

BMP Title: Ordinance 1540
BMP Description: <p>The City of Chickasaw has in place an ordinance that provides enforcement measures for reducing, to the maximum extent practicable, pollutants in any storm water runoff from construction sites. Currently, Article IV of Ordinance 1540 requires contractors with projects that include land-disturbing activities of two or more acres to submit a construction site storm water management plan to the City Builder Inspector for review and approval. For land-disturbing activities that involve two (2) acres or less, a simplified storm water management plan must be developed, approved, and followed during construction. The City also confirms that the ADEM NPDES permit for land-disturbing activities for one (1) acre or more has been obtained. The City plans to revise Article IV of Ordinance 1540 to state that all projects involving land disturbance activities, regardless of acreage, has to submit a comprehensive construction site storm water management plan.</p> <p>Ordinance 1540 also outlines the required components of the storm water management plan, in addition to examples of structural and nonstructural storm water management facilities. Storm water management plans must be prepared, certified, and stamped/sealed by a qualified registered Professional Engineer, Land Surveyor, or Landscape Architect. The procedures for inspections are discussed in BMP 4-2 – Construction Site Plan Reviews and Inspections.</p> <p>Ordinance 1540 also provides procedures regarding violations of the Ordinance. The City will provide a written notice to the violator and time to correct the deficiencies. If deficiencies aren't corrected and the violator is convicted, the City will impose a fine of not more than \$500 or imprisoned not more than 30 days for each offense.</p>
Target Audiences: Contractors, Developers
Measurable Goals: 1. The City will revise Article IV of Ordinance 1540 to state that all land-disturbing activities will require a storm water management plan.
Timeline/Implementation Schedule: 1. Implemented and Ongoing: The City will revise Article IV of Ordinance 1540 as stated above.
Performance Measures: 1. Documentation of revisions to Ordinance 1540.
Responsible Party Name: Carnes Craig Department: City Building Inspector

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Construction Site Stormwater Runoff Control
BMP Identification Number: 4-2

BMP Title: Construction Site Plan Reviews and Inspections
BMP Description: <p>The City of Chickasaw requires submission of all potential construction project plans, including a construction site storm water management plan, to the City Building Inspector for review to ensure compliance with the City's SWMP. The plan is required to be prepared, certified, and stamped/sealed by a Professional Engineer, Land Surveyor, or Landscape Architect. The City requires Best Management Practices (BMP's) for all construction projects per ADEM regulations. SWMP's can be rejected by the City Building Inspector if they incorporate structures and facilities that will demand considerable maintenance, will be difficult to maintain, or utilize numerous small structures if other alternatives are physically positive.</p> <p>Once a permit is obtained, the builder must request inspections during different stages of construction. Residential construction requires a minimum of five (5) inspections, while commercial construction requires seven (7) inspections. These multiple inspections allow the Building Inspector to ensure compliance with the SWMP.</p> <p>In the event of a violation, the City will provide a written notice to the violator and time to correct the deficiencies. If deficiencies aren't corrected and the violator is convicted, the City will impose a fine of not more than \$500 or imprisoned not more than 30 days for each offense.</p>
Target Audiences: <p>Contractors, Builders</p>
Measurable Goals: <ol style="list-style-type: none">1. The City will continue to follow procedures for construction site plan reviews and ensure that all submitted SWMP's comply with the City's SWMP and ADEM regulations.2. The City will continue to perform and track the minimum number of inspections of construction sites, as stated above, and provide adequate documentation of inspection results.3. The City will modify the number of inspections to include BMP 5-2.
Timeline/Implementation Schedule: <ol style="list-style-type: none">1. Implemented and Ongoing: Construction site plan reviews will continue to be performed after every project plan submission.2. Implemented and Ongoing: Construction site inspections will continue to be performed at various stages of construction.
Performance Measures: <ol style="list-style-type: none">1. Documentation of the number of plan reviews conducted in comparison to the number of project plan submissions.2. Documentation of number of inspections and inspection results.
Responsible Party <p>Name: Carnes Craig Department: City Building Inspector</p>

MINIMUM CONTROL MEASURE FIVE:
**POST-CONSTRUCTION STORM WATER
MANAGEMENT IN NEW
DEVELOPMENT AND REDEVELOPMENT**

Permit Requirement: Post-Construction Storm Water Management refers to activities that take place after construction occurs, and includes structural and non-structural controls to obtain permanent storm water management over the life of the property's use. All permittees must implement the requirements of Part III.B.5 within 730 days from the effective date of coverage.

BMP ID	BMP TITLE
5-1	Post-Construction Storm Water Management Ordinance
5-2	Post-Construction Plan
5-3	Post-Construction BMP Operation and Maintenance Agreement

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Post-Construction Storm Water Management
BMP Identification Number: 5-1

BMP Title: Post-Construction Storm Water Management Ordinance
BMP Description: The City of Chickasaw will revise the existing Ordinance 1540 to include a section on reducing pollutants in post-construction runoff from new development and redevelopment projects. This section will include requirements for the post construction BMP plan submittal and the requirements for resubmittal when changes to post-construction controls are required. Also included will be procedures for demonstrating and documenting that post-construction storm water BMPs have been installed per submitted post construction BMP plan and it will include enforceable procedures for bringing noncompliant projects into compliance.
Target Audiences: Contractors, Developers
Measurable Goals: 1. The City will revise Ordinance 1540 to include a section that addresses Post-Construction BMP plans from new development and redevelopment projects.
Timeline/Implementation Schedule: 1. The new section in the revised ordinance will be developed and implemented within 730 days from the effective date of coverage under the Phase II MS4 Permit.
Performance Measures: 1. Documentation of the revised section of the Ordinance that addresses post-construction BMP plans.
Responsible Party Name: Carnes Craig Department: City Building Inspector

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Post-Construction Storm Water Management
BMP Identification Number: 5-2

BMP Title: Post-Construction Plan
BMP Description: As explained in BMP 5-1, the City will revise Ordinance 1540 to include a section that will require developers and contractors or property owners to include a combination of post-construction structural and non-structural BMP's and a post construction BMP maintenance agreement. The City will ensure that these BMP's are operational by requiring a post-construction BMP plan and maintenance agreement to be submitted for review with the project construction plans. Also additional inspection of the BMP plan during and after construction will be added to the permit inspection requirements.
Target Audiences: Plan Review Staff, Contractors, Developers, Engineers
Measurable Goals: <ol style="list-style-type: none">1. The City will implement a post-construction BMP plan review process to ensure all projects meet the requirements for long-term storm water management.2. The City will provide adequate training for plan review staff on post-construction BMP's.
Timeline/Implementation Schedule: <ol style="list-style-type: none">1. The City will develop and implement the post-construction plan review process within 730 days from the effective date of coverage under the Phase II MS4 permit.
Performance Measures: <ol style="list-style-type: none">1. Documentation of a post-construction plan review process.2. Documentation of BMP training for staff.
Responsible Party Name: Carnes Craig Department: City Building Inspector

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama

Minimum Control Measure: Post-Construction Storm Water Management

BMP Identification Number: 5-3

BMP Title: Post-Construction BMP Operation and Maintenance Agreement

BMP Description:

The City of Chickasaw will ensure long-term operation and maintenance of post-construction BMP's by requiring a maintenance agreement that allows the City to conduct inspections of the management practices and also account for the legal transfer of responsibility for maintenance from the developer to the property owner or Homeowner's Association.

The maintenance agreement will include the following items: a description of the routine maintenance, schedules for maintenance, inspection requirements, provisions for the City to access BMP's, penalties for failure to maintain BMP's, and a provision to legally record the maintenance agreement.

Target Audiences:

Contractors, Developers

Measurable Goals:

1. The City will develop and implement a maintenance agreement for all future post-construction BMP's.

Timeline/Implementation Schedule:

1. The maintenance agreement will be developed and implemented within 730 days from the effective date of coverage under the Phase II MS4 permit.

Performance Measures:

1. Documentation of completed maintenance agreement.

Responsible Party

Name: Carnes Craig

Department: City Building Inspector

MINIMUM CONTROL MEASURE SIX:
POLLUTION PREVENTION/GOOD HOUSEKEEPING
FOR MUNICIPAL OPERATIONS

Permit Requirement: The permittee must develop and implement a program for pollution prevention/good housekeeping for municipal operations.

BMP ID	BMP TITLE
6-1	Structural Controls Maintenance
6-2	Roadway Maintenance
6-3	Ordinance 3704
6-4	Spraying of Herbicide
6-5	Cleaning of Parks
6-6	Sanitary Sewer Overflow (SSO) Prevention

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Pollution Prevention/Good Housekeeping
BMP Identification Number: 6-1

BMP Title: Structural Controls Maintenance
BMP Description: The City of Chickasaw's structural controls include storm drains, three (3) detention ponds, and storm water pumps. The City cleans and removes debris from all drains as necessary in order to maintain proper drainage. The Public Works Department maintains a regular inspection and maintenance schedule. Weekly progress logs are filed in the Public Works Director's office. Storm inlets and detention ponds are inspected at least once every three months and all necessary maintenance is performed. Also, elements of the drainage system are inspected before and after heavy rains and repairs are performed as needed. The City cleans the debris that accumulates on the screens at the storm water pumps as needed to maintain proper operation.
Target Audiences: N/A
Measurable Goals: 1. The City will continue to follow a schedule for the inspection and maintenance of all structural controls.
Timeline/Implementation Schedule: 1. Implemented and Ongoing: The City will continue to inspect, maintain, and repair all structural controls, as needed.
Performance Measures: 1. Documentation of all inspections, maintenance, and repairs.
Responsible Party Name: Sam Rawls Department: Director of Public Works

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Pollution Prevention/Good Housekeeping
BMP Identification Number: 6-2

BMP Title: Roadway Maintenance
BMP Description: <p>To the fullest extent possible, the construction of public streets, roads, and highways under the jurisdiction and control of the City of Chickasaw are designed to follow natural ridgelines. By using this design, natural drainage ways are maintained and preserved. Also, in order to minimize the possibility of potential pollutant releases, road repairs are performed to the extent practicable during the dry season.</p> <p>The Chickasaw Public Works Department performs smaller roadway maintenance projects, while larger projects are designed by local engineering firms or accomplished through Mobile County's "Pay As You Go" program.</p> <p>The City has a street sweeper that is utilized on an as-needed basis. The City also cleans the major roadways before and after city events and following a large storm event.</p>
Target Audiences: N/A
Measurable Goals: <ol style="list-style-type: none">1. The City will continue to maintain, repair, and clean roadways as needed.2. The City will implement a process for tracking all roadway repairs and associated costs and also the frequency of use of the street sweeper.
Timeline/Implementation Schedule: <ol style="list-style-type: none">1. Implemented and Ongoing: The City will continue to maintain, repair, and clean roadways as needed.2. The City will record all activities associated with repairs and street sweeper usage by the end of Year 1.
Performance Measures: <ol style="list-style-type: none">1. Documentation of all maintenance activities and repairs.
Responsible Party Name: Sam Rawls Department: Director of Public Works

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Pollution Prevention/Good Housekeeping
BMP Identification Number: 6-3

BMP Title: Ordinance 3704
BMP Description: The City of Chickasaw has an ordinance for regulation of unsightly growth on residential and commercial properties. This assists with maintaining proper storm water drainage throughout the City within natural lined ditches by reducing the excessive vegetation growth that impedes the flow of storm water through the ditches. Ordinance 3704 makes it unlawful for any person to place, throw, or dump leaves, tree limbs, trash, rubbish, lumber, bricks, or other obstacles in the ditches, streets, and gutters of the City. The Ordinance also makes it unlawful to store or keep any scrap iron, junk, wrecked vehicles, or unsightly debris. Improperly disposed tires are collected and stockpiled by Public Works personnel throughout the year and hauled to a permitted landfill approximately twice a year. The City's plans to discuss revising Ordinance 3704 to include a fine for violations.
Target Audiences: Residents, Businesses
Measurable Goals: <ol style="list-style-type: none">1. The City will discuss revising Ordinance 3704 to include a fine for violations.2. The City will track violations and document the results of all investigations.
Timeline/Implementation Schedule: <ol style="list-style-type: none">1. The City will discuss revising Ordinance 3704 to include a fine by the end of Year 1.2. The City begin tracking violations and results of all investigations by the end of Year 1.
Performance Measures: <ol style="list-style-type: none">1. Documentation of revisions to Ordinance 3704.2. Documentation of violations and results of investigations.
Responsible Party Name: Hal Ewing/Aden McEvoy Department: Environmental Officers

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Pollution Prevention/Good Housekeeping
BMP Identification Number: 6-4

BMP Title: Spraying of Herbicide
BMP Description: The City of Chickasaw sprays rights-of-way and ditch shoulders on an as-needed basis utilizing an ADEM-approved herbicide. The herbicide is sprayed by qualified Maintenance Personnel with training on acceptable types of approved chemicals, their applications, and quantities. Typically, the herbicide is sprayed approximately every six (6) to eight (8) weeks during the growing season from spring to fall.
Target Audiences: N/A
Measurable Goals: <ol style="list-style-type: none">1. The City will continue to use an ADEM-approved herbicide when spraying rights-of-way and ditches.2. The City will ensure that all Maintenance Personnel are trained in the spraying of herbicide.
Timeline/Implementation Schedule: <ol style="list-style-type: none">1. Implemented and Ongoing: The City will continue to spray as needed.2. Maintenance Personnel will be trained in the spraying of herbicide annually.
Performance Measures: <ol style="list-style-type: none">1. Documentation of location, date, and time of each spraying application.2. Documentation of annual training refresher course.
Responsible Party Name: Sam Rawls Department: Public Works Director

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Pollution Prevention/Good Housekeeping
BMP Identification Number: 6-5

BMP Title: Cleaning of Parks
BMP Description: The City of Chickasaw is committed to cleaning their parks after every sporting event, cookout, or concert by removing litter and inspecting the facilities, including site drainage, to ensure that they are in working condition. The City also does weekly cleaning of the parks during the active season.
Target Audiences: N/A
Measurable Goals: <ol style="list-style-type: none">1. The City will continue to clean the parks after events and weekly during the active season.2. The City will continue to inspect all facilities around the parks to ensure they are operational.
Timeline/Implementation Schedule: <ol style="list-style-type: none">1. Implemented and Ongoing: The City will continue to clean the parks as described above.2. Implemented and Ongoing: The City will continue to inspect park facilities.
Performance Measures: <ol style="list-style-type: none">1. Visual confirmation of cleanings and maintenance.2. Documentation of cleanings using a weekly maintenance checklist.
Responsible Party Name: Kathy Couey Department: Recreation Department

BMP SUMMARY SHEET

MS4 Name: Chickasaw, Alabama
Minimum Control Measure: Pollution Prevention/Good Housekeeping
BMP Identification Number: 6-6

BMP Title: Sanitary Sewer Overflow (SSO) Prevention
BMP Description: Through an ongoing review of the sanitary sewer system infrastructure, various pipe replacements and pump station repairs are completed as needed. Activities in these areas are in an effort to reduce sewer overflows and inflow/infiltration. All SSO's are promptly addressed by the Sewer Department and reported in accordance with ADEM guidelines.
Target Audiences: N/A
Measurable Goals: <ol style="list-style-type: none">1. The City will continue to inspect sanitary sewer system infrastructure and make necessary repairs.2. The City will continue to promptly address and report SSO's.
Timeline/Implementation Schedule: <ol style="list-style-type: none">1. Implemented and Ongoing: The City will continue to inspect and repair sanitary sewer infrastructure, as needed.2. Implemented and Ongoing: The City will continue to address and report SSO's.
Performance Measures: <ol style="list-style-type: none">1. Documentation of sewer inspections and results.2. Documentation of SSO's, including date, time, location, and cause.
Responsible Party Name: Billy Saranthus Department: Sewer Department