

# **Calhoun County 2017 Storm Water Management Program Report**

**Calhoun County Commission  
1702 Noble Street  
Anniston, Alabama 36201**

**May-2018**

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### 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. Base 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.

Name

Mr. Brian Rosenbalm,

Title

County Engineer

\_\_\_\_\_  
Signature

\_\_\_\_\_ 2018  
Date





## 2. Introduction:

On November 16, 1990, the U.S. Environmental Protection Agency (EPA) promulgated regulations, under the Water Quality Act of 1987, setting forth application requirements for National Pollutant Discharge Elimination System (NPDES) storm water permits.

In 1999, EPA promulgated regulations establishing Phase II of the NPDES storm water program. The Phase II program extends coverage of the NPDES storm water program to regulated “small” MS4s. A regulated “small” MS4 is located within an “urbanized area” as defined by the Census Bureau or as designated by the NPDES permitting authority.

The Alabama Department of Environmental Management (ADEM) administers the storm water program for the State of Alabama. In 2016 Calhoun County submitted a Storm Water Management Program Plan to the ADEM. The information included in this Storm Water Management Program (SWMP) Plan was written to adhere to latest permit guidelines. The County’s SWMP Plan describes how the County will work to maintain compliance with the NPDES General Permit ALR040004. The plan will be further revised and updated as needed to reflect the county’s MS4 activities.

During the 2017 reporting period the county used the 2016 Plan to guide the implementation of activities to fulfill the provisions of the SWMP Plan. Since 2014, Mr. Chris Gann provided program oversight and planning of activities of SWMP Plan. The County Commission’s ability to fund the county’s MS4 activities and provide oversight and were governed by the 2017 Commission’s budget and available funds.

This 2017 report documents the results of the SWMP for the Municipal Separate Storm Sewer System (MS4), Phase II General Permit for the Calhoun County urbanized area. Calhoun County is submitting a standalone 2017 report documenting the activities which took place within the unincorporated urbanized area of the county lying outside the jurisdiction of the cities of Anniston, Jacksonville, Oxford, the University of Jacksonville State and ALDOT Right-of-ways. Some of the activities were conducted in conjunction with the above mentioned municipalities and/or entities. This permit, with the designated NPDES number ALR040004 became effective October 1, 2016. The SWMP according to Part IIIA of the general permit is to reduce the discharge of pollutants from the county’s MS4 to the maximum extent practicable.

The County Commission and the major cities within the county made efforts during the 2017 period, combining their assets and resources in a number of areas to achieve the scheduling and best management practices set out in the various SWMP Plans. The County has particularly focused a portion of its efforts on the unincorporated, urbanized area outside those portions of the county which are the jurisdiction of its city municipalities.





Outlined in this report are those actions and methods the County has used to address specific areas under the Plan during 2017. The five minimum control measures that are required by the permit to reduce the discharge of pollutants to comply with the Clean Water Act are: **(1) Public Education and Public Involvement on Storm Water Impacts; (2) Illicit Discharge Detection and Elimination (IDDE) Program; (3) Construction Site Storm Water Runoff Control; (4) Post Construction Storm Water Management in New Development and Redevelopment and; (5) Pollution Prevention/Good Housekeeping for Municipal Operations.** The details of these measures can be found in Part IIIB of the permit (see **Appendix**).

### 2.1 Location

Calhoun County is located mainly north of Interstate 20 and southeast Interstate 59. Birmingham lies approximately 50 miles to the west and Atlanta is 80 miles to the east. The population of Calhoun County is approximately 117,000 according to the 2013 census. Significant urbanized areas within the county are the cities of Anniston, Jacksonville, and Oxford.



Map of Calhoun County



## 2.2 Responsible Party

The Calhoun County Commission is the responsible entity for the MS4 program for the urbanized areas outside the City's jurisdictions. Mr. Chris Gann administers the MS4 program for the Calhoun County Commission and began work in August, 2014. Mr. Gann has the responsibility of oversight of the SWMP and compliance with Phase II Storm Water Permit. Various departments and individuals working within the county share and assist in the responsibility for public involvement and participation, residential and commercial construction and conducting the erosion and sediment control inspections. Calhoun County has public education and outreach programs; and assisted the various partner organizations and municipalities with other outreach programs. The following individuals should be contacted to address questions or concerns regarding the county's MS4 program.

### Commission District 1

Commissioner Fred Wilson

### Commission District 2

Commissioner Tim Hodges

### Commission District 3

Commissioner Don Hudson

### Commission District 4

Commissioner John "JD" Hess

### Commission District 5

Commissioner Lee Patterson

### **Commission Office**

1702 Noble Street

Suite 103

Anniston, AL 36201

Phone: 256-241-2800

[ccc@calhouncounty.org](mailto:ccc@calhouncounty.org)





**Mr. Brian Rosenbalm, PE**

160 Seaton Drive  
Anniston, AL 36205  
Phone: 256-237-4657  
Fax: 256-237-2009

**Mr. Chris Gann**

160 Seaton Drive  
Anniston, AL 36205  
Phone: 256-237-4657  
Fax: 256-237-2009

**Mr. Randy Hubbard**

Sub Division Inspections



### **3.0 Storm Water Management Program Requirements**

The County submitted its Storm Water Management Program Plan for the NPDES Permit ALR040004 in 2016. The MS4 NPDES Permit for the county is to be renewed in 2021. The County is committed in achieving the conditions of the permit, which will provide improved water quality through the reduction of pollutants in stormwater discharged to the waters of the State. The County has committed personnel and financial resources to support the execution of the plan. As stated above there are five minimum control measures which the county must address in its Storm Water Management Program plan are:

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

#### **3.1 Public Education and Public Involvement on Storm Water Impacts**

Calhoun County's general population continues to participate in various educational and outreach activities sponsored by the county and the population centers in the county. The various activities will continue to educate both the adult and school age population about the various activities and human actions which negatively impact water bodies in the county. Calhoun County is therefore committed to continuing to provide information and educating the general public, businesses and the municipal employees of the importance of the measures to be taken to reduce pollution of storm water. The county developed a number of BMPs that were used during the 2017 reporting period to educate the general public, businesses, homeowners, landscapers, contractors, developers, municipal staff and others.

#### **Television**

In the past, the county has utilized television for fact distribution to the public. The County elected not to conduct PSAs on the local television channel (TV-24) in Anniston, Alabama for fear of lack of audience. Mr. Gann and the Commission are reviewing future use of the television media as part of the MS4 program for Calhoun County.

#### **Newspaper**

The County continues to utilize the newspaper to advertise for its Free Dump Day to encourage residents to clean up and dispose of debris which would otherwise contribute to an illicit discharge situation. The County notified citizens using the landfill of the proposed Free Dump Day. Records of the disposal quantities are kept at the landfill. The Event is held quarterly, (1-21-2017, 4-22-2017, 7-15-2017 and 10-21-2017).





### **Social Media**

The County is beginning to examine the possibility of using social media to put out its PSAs and other pertinent information. The use of social media appears to be a very effective and cost efficient media outlet.

### **Storm Water Webpage**

Storm water information is provided on the county's webpage. Citizens often go to the Calhoun County website to obtain information on items of community interest. The website is accessible 24 hours a day and serves the citizens that can't meet with the county's staff during normal working hours. The county uses a portion of its webpage to deliver messages about the county's storm water program. The information is under the County Home Page and Highway Department's tab.

(<http://www.calhouncounty.org/highway/stormmain.html>). An Example of the Webpage is presented in the **Appendix**.

There are some useful links on the page pertaining to the County's MS4 program:

**Calhoun County Storm Water Plan** *(Adobe pdf document)*

<http://www.calhouncounty.org/highway/stormplan.pdf>

**Phase II Information** - <http://www.calhouncounty.org/highway/stormphase2.html>

**Urbanized map for Calhoun County** *(Adobe pdf document)*

<http://www.calhouncounty.org/highway/stormphase2.html>

**Alabama Low Impact Development Handbook** - <http://www.aces.edu/natural-resources/water-resources/watershed-planning/stormwater-management/LID.php>

**Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas** - [http://swcc.alabama.gov/pages/erosion\\_handbook.aspx](http://swcc.alabama.gov/pages/erosion_handbook.aspx)

Calhoun County continues to use the webpage to deliver important information concerning the county's SWMP during 2017 and the future. The webpage will inform the public of information pertaining to storm water policies; updated storm water sample data, links to design manuals and links to storm water related sites will be available to the public. The County will continue to update the Phase II Stormwater webpage to provide new or updated information of interest concerning stormwater related issues within the county. The Phase II Stormwater webpage reaches a general public target audience. A link to the 2016 Stormwater Management Plan and the 2017 Storm Water Management Report will be added to the Webpage.





### Public Presentations

During the 2017 reporting period, the Alabama County Extension Service (ACES) sponsored/assisted with a number of programs for the general public in which portions dealt with stormwater runoff and pollution. The County Extension Service provided education and outreach to several thousand adults and children during various programs, festivals, and training sessions throughout the county. Water quality and the environment are a recurring theme that the ACES includes in many of the programs and training which they offer. An abbreviated (edited) list of some of the programs and the attendance numbers which included educational information which also included stormwater related topics were provided by Dr. David West and Ms. Lisa Sosebee with the Calhoun County Extension Service and is presented in the **Appendix**.

**The Calhoun County Extension Office presents:**



## **CAMP CANE CREEK at McClellan**

**July 9 – August 3  
Ages 7 – 14**

*Water Quality and Conservation Education  
Gardening, Guest Speakers and so much more!*

**Monday through Friday**  
**8 AM - 3 PM**  
(Drop-off begins at 7:30 AM)

**\$70 per week; \$10 discount for siblings**



**To register visit the  
Calhoun County Extension Office  
(In the Calhoun County Administration Building)  
1702 Noble Street, Suite 108  
Anniston, AL 36201**



**Registration begins in May.**



For more information call the Extension Office at 256-237-1621.

The Alabama Cooperative Extension System (Alabama A&M University and Auburn University), is an equal opportunity educator and employer.  
Everyone is welcome!

## Camp Cane Creek





### Earth Day Activities

Earth Day is a great event in the county. The County Commission has created and continues to utilize environmental activities and events aimed at educating citizens of all ages on the importance of protecting our environment. An example of this type of event is Calhoun County Earth Day Celebration 2017. This event was sponsored in part by the Alabama County Extension Service and targets the participants with information on a variety of topics including stormwater management techniques, policies and practices within the county. The county will continue to provide Earth Day activities throughout the permit cycle and into 2017. Earth Day activities primarily reach a general public and school children target audience.



## Earth Day Celebration-2017





The Alabama County Extension Service for Calhoun County provided an invaluable resource during the 2017 reporting period. Dr. David West and his staff will be counted on in 2018 to provide awareness training and classes which will help keep the general public informed of the water quality issues in the county.

Additional public presentations, workshops and seminars were conducted in Calhoun County which presented important information concerning topics pertaining to stormwater, pollution and the importance of a healthy watershed. Stormwater awareness and water quality were presented in a number of forums by environmentally conscious organizations working in the county. The target audience for public presentations varied depending upon the organization participating in the event. Target audiences for presentations could include schools, environmental stakeholder groups, local civic groups and homeowners. Examples of the organizations include:

**Choccolocco Creek Watershed;  
Watershed Workshop;  
Renew our Rivers Rain Barrel  
Workshops; Camp Cane Creek  
Fall Fest  
4H Club; Earth Day,  
Cane Creek Community Garden  
Alabama Clean Water Partnership  
Calhoun County Master Gardener Work Day**

#### **Workshops (Public and County Staff)**

In order to provide training for its county staff, Calhoun County conducted a training session at the Calhoun County Highway Department facility on 160 Seaton Drive on January 12, 2017. The continued its presentation, "IDDE; A Grate Concern", explains some of the issues and problems faced by the county in dealing with illicit discharges to stormwater and how county staff can assist in meeting the requirements of the permit. The County's goal is to use its quarterly staff meetings during 2017 as an opportunity to educate and update its staff on the methods and techniques which can be used to implement the county's stormwater plan in conjunction with the services it provides. Attendance records are presented in the **Appendix**.

The training program was attended by more than 35 members of the county's staff during 2017. Documentation for the training sessions is presented in the **Appendix**. During 2017, the County Commission will continue to work with its employees during regularly scheduled meetings and as the budget allows.

The county also held IDDE training at the countywide safety meeting on January 30, 2018. At least one representative from each department was present. Agenda and attendance record are located in the **Appendix**.





### **Measure of Success**

Overall success of our public education and outreach program is gauged by the awareness of the public and the general water quality in our lakes and streams. The water quality is in turn gauged by the results from our dry weather screening program. The county will continue its dry weather screening at points within the county as a means to evaluate the effectiveness of the MS4 program. The comparison of historic and recent screening will provide a measure of the success of the County's efforts.

The level of awareness in the community, regarding the county's stormwater management program, is being evaluated through the use of a survey circulated to the public at various locations in the county. Specific components and measurable goals within the public education and outreach portions of the program will be reviewed and evaluated as to effectiveness and recommendations will be made to update the County's evolving SWMP Plan. The County is considering the use of a survey to gauge the public's understanding of the County's MS4 program. The County used a survey in 2016 with limited success on getting them returned. Revised questionnaires will be distributed during 2017 events and programs to gauge the public's awareness of the MS4 program, evaluate the program's effectiveness and areas where the plan can be improved.

### **3.2 Public Involvement and Participation**

The public involvement and participation control measures along with public education and outreach are dependent on each other for their success; it is difficult to determine which is more critical. The county believes that educating and informing the public will be the cornerstone of the SWMP and make it a success while public involvement and participation in the program will be the mortar that holds these two together. The county is aware that making available the information concerning the importance of managing storm water pollution is paramount in attracting the public's attention and interest in participating in the county's MS4 program.

### **Calhoun County Stormwater Cooperative**

During 2017, Calhoun County along with representatives from the City of Anniston, City of Jacksonville, and the City of Oxford, as well as Jacksonville State University, and ALDOT met on several occasions as part of the Calhoun County Stormwater Cooperative. The Cooperative will continue to meet during 2018 to discuss stormwater related issues of mutual concern. Early 2017 the group reconvened with new members and a reinvigorated attitude. The cooperative was unable to perform any physical projects during the 2017 reporting period. The cooperative has hopes of installing rain barrels at a municipal facility in Jacksonville in the coming year. The cooperative served as an information sharing and learning roundtable for each of members. Agendas, meeting minutes and sign-up sheets from the meetings are presented in the **Appendix**.





### **Citizens Advisory Committee**

A Stormwater Citizens Advisory Committee was formed during September 2014. The Calhoun Stormwater Cooperative continues to meet with the Citizens Advisory Committee which is part of the East Alabama Planning Commission the parties formed a Stormwater Citizens Advisory Committee. Mr. Gann met with the Citizens Advisory Committee on several occasion during the 2017 reporting period to advise them on the activities of the County's MS4 Program. Documents pertaining to the meetings and attendance are presented in the **Appendix**.

A listing of the County's Public Education Activities and Public Involvement Activities held during the 2017 reporting period is presented in the **Appendix** followed by examples of the meeting minutes of the various groups. As part of the 2017 reporting period the county will continue to actively partner with the cities of Jacksonville, Oxford, Anniston, Jacksonville State University, and other local groups whenever possible to share the limited resources and advance this control measure.

### **Involvement of General Public, Civic Organizations, Clubs and Associations**

The county participated in a number of activities with several civic organizations to advance the county's public education and public involvement efforts with the various groups targeted by the MS4 Program in the county. Several organizations were involved with both the education measures and pressing their membership to become involved in a number of the activities in the county. These groups participated in several of the programs which were also sponsored by the Calhoun County Extension Service and its workshops and training sessions, portions of which dealt with stormwater issues. In 2017, the county continued its partnership with the Choccolocco Creek Watershed placing a new sign and maintaining the existing signs throughout the county. The County and the Choccolocco Creek Watershed Alliance placed these signs in hopes that the citizens and tourist in Calhoun County will be reminded of our obligation to protect our local watersheds from pollutants.



Choccolocco Creek Watershed





In 2018, the county will continue to reach out to these stakeholder organizations to increase the awareness of how to participate in preventing storm water pollution within the county. These organizations have a vested interest in preserving the water quality of Calhoun County and will be pursued to work with and participate in the county's MS4 program. The county will continue to participate in, support, and work closely with, these organizations. These organizations have core values of preserving the watersheds and have the potential to reach large portions of the Plan's target audiences.

### Clear Water Alabama

In January of 2017, Calhoun County, Anniston, Oxford, Jacksonville, NRCS, Choccolocco Creek Watershed, along with other local partners met to discuss a plan to attract the Clear Water Alabama seminar to our county. Through partnerships with the local entities and local interest groups in the area, we were pleased to hear that the 2018 Clear Water Alabama seminar and field day will be held in Calhoun County.



# SAVE THE DATE!

## Clear Water Alabama



**2018 SEMINAR  
& FIELD DAY**

**August 22-23**  
Oxford Civic Center

Presented by  
**Alabama Erosion and Sediment  
Control Partnership  
Calhoun Co. Conservation District  
and Local Partners**

Get details after June 1 at: <http://conservealabama.org/>  
(Programs/Erosion and Sediment Control)



### Free Landfill Day Program

As mentioned before the County has a Free Landfill Day to encourage residents to properly dispose of debris properly. The free landfill day involves the general public and encourages the public to take an interest and in becoming more knowledgeable concerning the county's needs to prevent stormwater pollution. The county encourages the residents to participate in removing litter and debris which potentially will reach the watersheds within the county. The general public is encouraged to bring materials collected within the county to the landfill and properly dispose of the materials free of charge. During the four (4) free landfill days of 2017, 1770 vehicles brought litter and debris to the landfill. The county also utilizes the webpage to advertise these days in hopes to keep as much debris and litter out of our stormwater systems and watersheds.

5/8/2018 Free Day County Landfill

## Calhoun County Alabama

Home	Offices	Government	Employment	Links
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Home | County Landfill and Transfer Station | Free Day

**Directions**

**Scale-House**

**Transfer Station**

**C/D Landfill**

**Free Day**

**Costs & Payments**

**Forms**

**Department Home**

### Free Day

**Calhoun County Landfill Open House**

**Sponsored by your Calhoun County Commissioners**

**Fred Wilson, District 1**

**Tim Hodges, District 2**

**Don Hudson, District 3**

**J.D. Hess, District 4**

**Lee Patterson, District 5**

**OPEN TO ALL FAMILIES OF CALHOUN COUNTY**

RECYCLE AREAS SET UP FOR THE FOLLOWING

Scrap Metal

Used Motor Oil

Car Batteries

FREE DISPOSAL FOR:

Appliances - Yard Waste - Shingles

Scrap Metal - Carpet - Remodeling Waste

**\*Please Separate Types of Waste to Unload Quickly\***

**There Will Be A CHARGE For Household Garbage & Tires**

**For 2018:**  
**January 20, 2018**  
**April 21, 2018**  
**July 21, 2018**  
**October 20, 2018**

**Calhoun County Landfill**  
 3625 Meriville Road  
 Anniston, AL 36201  
 Phone: 256-236-2411  
 Fax: 256-241-2028  
[landfill@calhouncounty.org](mailto:landfill@calhouncounty.org)

**Mailing address:**  
 1702 Noble Street  
 Suite 103  
 Anniston, AL 36201

<http://www.calhouncounty.org/land/free/day.html>

1/1





### Measure of Success

The County gauges the measure of success for the Free Landfill Day by the number of vehicles that participate. In 2016, there were almost 1700 vehicles. In 2017 that number increased by almost 100 vehicles.

### County Litter Patrol Program

In addition to the Free Days at the Calhoun County Landfill, the Calhoun County Commission has a regular Litter Patrol to remove debris and limb and leaf material from the ditches which could ultimately make its way into the county surface water bodies. The county sends litter patrol crews out daily and collects an average of 25 tons of debris each month.

5/8/2018 Yearly Waste Totals - Calhoun

Calhoun County Alabama

Home	Offices	Government	Employment	Links
------	---------	------------	------------	-------

Home | Recycling Office | Yearly Waste Totals

Drop-Off Centers  
Waste/Recycle Facts  
Composting  
Yearly Totals  
Education Outreach  
Waste Totals  
Department Home

Office:  
Sylvan Leatherwood Rd  
Mail: Recycling Office  
1702 Main Street  
Suite 102  
Anniston, AL 36801  
Phone: 256-241-2942  
Fax: 256-231-1747  
Email:

### Yearly Waste Totals for Calhoun County Alabama

Calhoun County residents dispose of 205 Million pounds of waste each year at the Calhoun County Landfill.

The residents of Calhoun County Alabama dispose of 600,000 pounds of trash along our roadsides and at illegal dump-sites throughout the county (which is picked up by the county litter control department).

About Us | Privacy Policy | Contact Us | ©2014 Calhoun County Alabama

<http://www.calhouncounty.org/recycle/wastetotals.html>

1/1

**Calhoun County Litter Patrol**  
PH: 256-241-2942 or FAX 256-231-1747




### Calhoun County Recycling Program

In 2016, the Calhoun County Recycling Program took in and recycled a total of 545 tons or 1,090,000 lbs of material. There are currently 5 drop off centers throughout the county. Yearly totals can found on the website at: <http://www.calhouncounty.org/recycle/yearlytotals.html>

A copy of the webpage and the drop off center locations are included in the Appendix.

5/8/2018 Education Outreach - Calhoun

## Calhoun County Alabama




<a href="#">Home</a>	<a href="#">Offices</a>	<a href="#">Government</a>	<a href="#">Employment</a>	<a href="#">Links</a>
----------------------	-------------------------	----------------------------	----------------------------	-----------------------

Home | [Recycling Office](#) | [Education Outreach](#)

- [Drop-Off Centers](#)
- [Waste/Recycle Facts](#)
- [Composting](#)
- [Yearly Totals](#)
- [Education Outreach](#)
- [Waste Totals](#)
- [Department Home](#)

### Education Outreach

The Recycling Office is available for educational tours and speaking engagements. To schedule a tour or a group presentation, please call the Recycling Office or the Calhoun County Extension Office at the numbers on the left.



**Office:**  
Dynam Leatherwood Rd  
**Mail:** Recycling Office  
1702 Noble Street  
Suite 101  
Anniston, AL 36201  
**Phone:** 256-241-2942  
**Fax:** 256-231-1747  
[Email](#)

[About Us](#) | [Privacy Policy](#) | [Contact Us](#) | ©2014 Calhoun County Alabama

<http://www.calhouncounty.org/recycle/education.html>

1/1

**Calhoun County Recycling Program**  
PH: 256-241-2942 or FAX 256-231-1747





### Storm Drain Marking Program

In 2014, the County paid to have several metal “Drains To River” marking templates for storm drain and outfall identification and have been used at some outfall locations. These stencils have proved a vital resource for the drain marking program in Calhoun County. These marking templates have been and will continue to be utilized as part of the county’s MS4 program in 2018. While these templates have performed well, the county is looking into moving to the small glue down drain markers, in an effort to get more of the public involved in the storm drain marking program.



### Drain Marking Program

The county’s GIS staff (Robert Sheitlin) has the county’s watershed and outfalls input on the mapping system for the county. The County Outfall Map continues to be updated for the public and will be linked to the Stormwater Webpage when completed. A copy of the current map is available from the County GIS Department and the County Highway Department. The map provides county staff access to the water shed drainage patterns and associated outfalls. As part of the county’s 2017 MS4 program, the county continues to update the map and will continue with its Drain Marking and Warning Sign program along the drainage ways and outfalls in the county. The program will inform the public of the potential consequences of dumping near the outfall areas.





The county plans to continue the marking and mapping program as part of its efforts to inform the public. The outfall map will allow environmental groups active in the county to assist with the collection of debris which could affect the county's various watersheds. The county will continue in 2018 to work with organizations and groups identified in the county to assist with an annual Clean-Up drives and projects.





### Civic Group Involvement

The county continues to try to provide opportunities for civic groups to get involved with the MS4 program. At this time the county relies on partnerships with the Choccolocco Creek Watershed and the Alabama Clean Water Partnership for the man power, while the county provides the resources like trash bags, vests, etc to make these litter cleanups happen



**Civic Group Litter Cleanup**



## Webpage

The county continues its efforts to provide the general public with an additional means of reporting potential storm water concerns and access information on the MS4 program, the county provides contact information on its webpage. Citizens can find contact information to comment on the current storm water program, information on methods for identifying suspected illicit discharges, registering a complaint of suspected illicit discharge or the methods for providing recommendations for improvements to the existing plan. Any information received is forwarded to the Storm Water Manager and an investigation is initiated when appropriate. The webpage information is a valuable tool for assisting county personnel in responding to citizen concerns. The website is available and is primarily for engaging the general public target audience.

<http://www.calhouncounty.org/highway/stormwater.html>

Storm Water

Page 1 of 1

The screenshot shows the Calhoun County Alabama website. At the top is a blue header with the county name and logo. Below is a navigation menu with links for Home, Offices, Government, Employment, and Links. The main content area is titled "Calhoun County Storm Water Information" and contains text about the county's MS4 program, including its designation by the EPA and ADEM, and its current permit status. A list of "minimum control measures" is provided, such as Public Education and Outreach, and Illicit Discharge Detection and Elimination. There are also sections for "Useful Links" and "Who do I contact with a storm water concern?".

**Calhoun County Alabama**

Home | Offices | Government | Employment | Links

Home | Highway Department | Storm Water

**Calhoun County Storm Water Information**

Calhoun County is designated by the United States Environmental Protection Agency (USEPA) and the Alabama Department of Environmental Management (ADEM) as an owner/operator of a Phase II municipal separate storm sewer system (MS4). The USEPA's Phase II Stormwater Regulations, which were implemented in March 2003, require operators of regulated Phase II MS4s to obtain a National Pollutant Discharge Elimination System (NPDES) permit and to develop a stormwater management program designed to protect water quality and to prevent harmful pollutants in stormwater runoff from being washed into the MS4. The County received its current Phase II Stormwater NPDES permit (ALR040004) on October 1, 2016. The current permit coverage will expire on October 31, 2021.

The intent of the Phase II regulations is to reduce the adverse impacts to water quality and aquatic habitat by instituting the use of controls on the unregulated sources of stormwater discharges. In order to comply with these regulations Calhoun County must satisfy six "minimum control measures," including:

- Public Education and Outreach
- Public Participation/Involvement
- Illicit Discharge Detection and Elimination
- Construction Site Runoff Control
- Post-Construction Stormwater Management
- Pollution Prevention/Good Housekeeping

**Useful Links**

[Calhoun County Storm Water Plan](#) (Adobe pdf document)

[2015 Storm Water Management Program Report](#) (Large Adobe pdf document)

[2014 Storm Water Management Program Report](#) (Large Adobe pdf document)

**Phase II Information**

[Urbanized map for Calhoun County](#) (Adobe pdf document)

[Alabama Low Impact Development Handbook](#)

[Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas](#)

**Who do I contact with a storm water concern?**  
Please contact Chris Gann, Assistant County Engineer at (256) 237-4657.

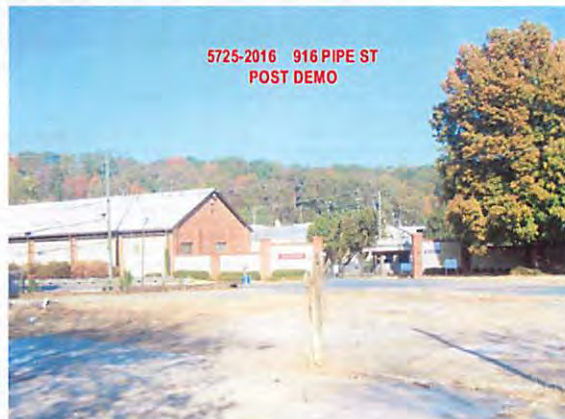
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### 3.3 Illicit Discharge Detection Elimination (IDDE)

The **Calhoun County Environment and Enforcement Office** was established on January 1, 2000 by the Calhoun County Commission. The initial purpose for establishing this office was to provide Calhoun County with a work force “Litter Control” to remove unsightly litter, and illegal dumps from the county highways, byways, and public areas. Over the years, the office has expanded its duties into areas similar to that of code enforcement seen in other counties. The office is responsible for Environmental Enforcement regarding Alabama’s Solid Waste Laws, Criminal littering, Calhoun County’s “Public Nuisance Law”, Mosquito Control, and the processing and assignment of Court Ordered Community Service. The County Commission is utilizing the Enforcement Office in cooperation with Stormwater Manager to monitor illicit discharges within the county. An example of the current actions taken during 2017 is presented below. Pictured below is an abandoned lot in which the Environmental and Enforcement office evaluated and determined the lot was public nuisance. The lot was then cleaned up by a contractor for the County’s Environmental Department.



### Illicit Discharge, Detection and Elimination

The county’s illicit discharge detection and elimination (IDDE) program is coordinated by the Stormwater Manager to actively locate, identify and correct illicit discharges to the MS4 during the permit cycle. During 2016, the County Highway Department’s staff received training for Illicit Discharge, Detection and Elimination as part of a Safety and training meeting held in January 12, 2017 and during a countywide safety meeting held on January 30, 2018. The county will continue to update and train staff in IDDE during the 2018 permit period. The county continues to manage, enforce and expand its IDDE program where possible and utilize local and state agencies to enforce illicit discharges where practicable.







## Illicit Discharge, Detection and Elimination

The County has eight Standard Operating Procedures dealing with IDDE. The SOPs deal with the identification of IDDE at outfalls, construction sites, vehicle and equipment wash stations, during road maintenance, herbicide, pesticide and fertilizer applications, while performing fleet maintenance, while performing vegetation control, and maintaining a storage yard. SOP#-ID-3 – SOP#-ID-8 were adopted by the county during the 2017 reporting period. The SOPs are attached in the Appendix along with Inspection Sheets and Reporting Forms.

The overall success of the county's IDDE program will ultimately be gauged by having accurate an updated storm sewer system drainage maps, the reduction of illicit discharges, and the level of public awareness of the importance of reporting illicit discharges. Specific components and measurable goals within the county's IDDE program will consist of following the best management practices (BMPs).





### **Illicit Discharge Ordinance**

Section 3(B), Paragraph 3(a)(iii) of the NPDES General Permit Number ALR04004 states “To the extent allowable under State and local law, effectively prohibit, through ordinance, or other regulatory mechanism, non-stormwater discharges into your storm sewer system and implement appropriate enforcement procedures and actions.”

The county has no authority to implement an ordinance to enforce through law the Illicit Discharge of Material into the county’s MS4. Therefore the county will use whatever means necessary to monitor and document the illicit discharge and report illicit discharges to the Calhoun County Environmental Enforcement Office and ADEM for follow up actions as necessary.

As described previously the county has in place SOPs for identifying and reporting illicit discharges and will continue its efforts to identify and act on reported illicit discharges. The Storm Water Manager will notify the affected municipalities where appropriate and follow up with notification of the State where further action is needed. The County Storm Water Manager will prepare a follow up report of the actions taken based on the reported information (see **Appendix**).

### **Stormwater Outfall Reconnaissance**

The Stormwater manager implemented a new tactic for the Stormwater Outfall Reconnaissance in 2016. The County began using its Bridge Inspection Team to perform the Stormwater Outfall Reconnaissance. The bridge inspection team inspected 195 bridges in 2016. This is a representative sample of an average inspection year for the bridge inspection team. If there are any issues at the outfall, the bridge inspection team reports them directly to the manager. During the 2017 reporting period, the stormwater manager developed a new form for dry weather screening. An example of the form, as well as, the list of bridges and their locations are provided in the **Appendix**

### **Illicit Discharge Reporting Form**

In 2016, the Storm Water Manager continue to develop an illicit discharge reporting form that residents can download complete and then e-mail back to the Stormwater Manager upon discovering a potential illicit discharge. The County expects to have the reporting form available for 24-hour access through the county’s webpage by the end of the 2017. This form will assist the county in tracking and responding to illicit discharges and will continue to be used for reporting illicit discharge issues in the future. The Illicit Discharge Reporting Form is applicable to all target audiences. Currently the Storm Water Manager tracks the IDDE cases in records at the Calhoun County Highway Department (Example, **Appendix**)

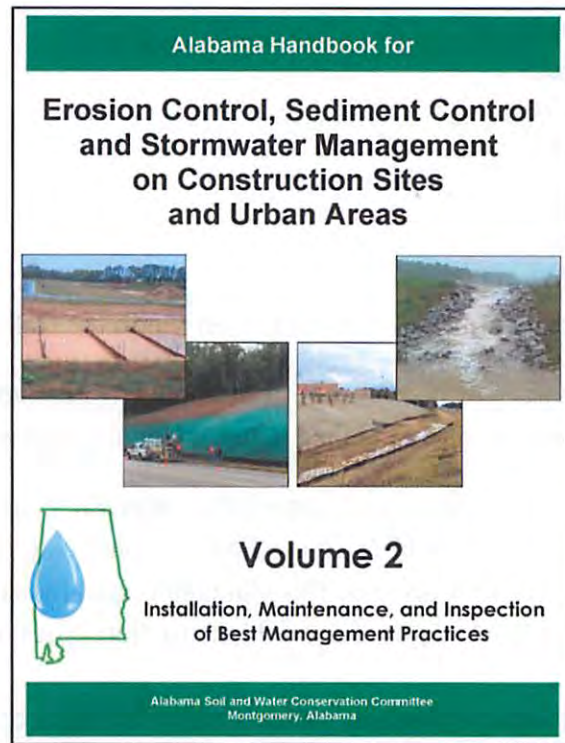
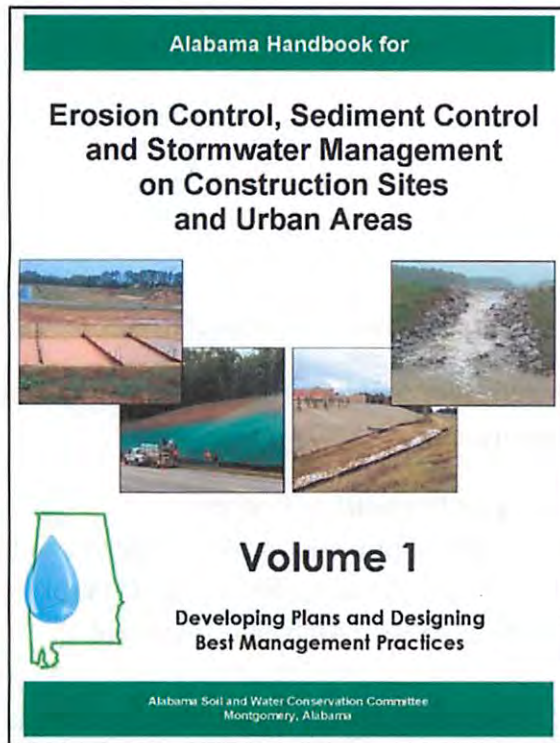




### Other IDDE Initiatives

The county will continue to actively pursue new and innovative programs to help eliminate illicit discharges and will work to implement programs that are likely to be successful in the community. In the past the county has conducted limited stormwater sampling at randomly selected outfall points which can be used to target discharge locations and will continue this practice at times in the future to gauge the effectiveness of the program.

### 3.4 Construction Site Storm Water Runoff Control



[Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas -](http://swcc.alabama.gov/pages/erosion_handbook.aspx)

[http://swcc.alabama.gov/pages/erosion\\_handbook.aspx](http://swcc.alabama.gov/pages/erosion_handbook.aspx)

ADEM Administrative Code 335-6-12 implements a state-wide construction storm water regulatory program consistent with the NPDES requirements for construction storm water control.

The County's construction site storm water runoff control program is used to effectively manage construction site storm water. The county's Storm Water Manager continues to manage and enforce its construction site storm water runoff control program during this permit cycle. Overall





management and implementation of the county's storm water construction site storm water runoff control program is the responsibility of the County's Building Inspector.

The county uses Qualified Credentialed Inspectors (QCI) as part of the municipal and county departments for construction area inspections that qualify under the stormwater regulations. Annual training is required to maintain good standing as a QCI. During 2016 the following inspectors received QCI Refresher Training:

Jeff Clendening  
Chris Gann  
Randy Hubbard  
Rodney McCain  
Brian Rosenbalm  
Joel Thrash  
Michael Hosch

Documentation for the training is on file in the Calhoun County Highway Department.

The county will continue to hold annual workshops for refresher training, copies of the completed QCI forms are on file at the Calhoun County Highway Department.

#### **Erosion and Sediment Control Plan Review Procedures and Permitting Process**

Plan review procedures, as well as the construction site permitting process, for developments in the county are outlined in the Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas (Alabama Handbook).

The Handbook is available at the County's Engineering Department. Access to the two volumes is also available at the Soil & Water Conservation Committee website at:

[http://swcc.alabama.gov/pages/erosion\\_handbook.aspx](http://swcc.alabama.gov/pages/erosion_handbook.aspx)

and on the County webpage:

<http://www.calhouncounty.org/highway/stormwater.html>

The county has standardized on the use of the Alabama Handbook for the design, construction and installation of proper erosion and sediment control best management practices on developments within the County. Developers, Contractors and Engineers operating within Calhoun County are required to utilize the practices in the Handbook to manage stormwater at construction sites. Additional information is also provided in Alabama County Extension Service ACES, Alabama Low Impact Development Handbook:

<http://www.aces.edu/natural-resources/water-resources/watershed-planning/stormwater-management/LID.php>





**Procedures for Notifying ADEM of Non-Compliant Sites**

As part of the county's enforcement procedures, the county will notify ADEM, either by phone or email, of any construction sites where a possible violation of the Clean Water Act has occurred. Possible violations could include, but are not limited to: releases of sediment to a Water of the State/U.S. and/or failure to adhere to the county's corrective action request following an inspection. Presented below are the forms under consideration for inspection and reporting:



**ADEM NPDES CONSTRUCTION STORMWATER INSPECTION REPORT AND BMP CERTIFICATION**

RESPOND WITH "N/A" AS APPROPRIATE. FORMS WITH INCOMPLETE OR INCORRECT ANSWERS, OR MISSING SIGNATURES WILL BE RETURNED AND MAY RESULT IN APPROPRIATE COMPLIANCE ACTION BY THE DEPARTMENT. IF SPACE IS INSUFFICIENT, CONTINUE ON AN ATTACHED SHEET(S) AS NECESSARY. PLEASE TYPE OR PRINT IN INK.

Item I.

Permittee Name:	Facility/Site Name:
Permit Number:	County:
Facility Entrance Latitude & Longitude:	Phone Number:
Facility Street Address or Location Description:	

Item II.

List name of current ultimate receiving water(s) (indicate if through MS4) and the number of disturbed acres which drains through each treatment system or BMP: Add additional sheet(s) if necessary.

Receiving Water	Disturbed Acres	Discharge Point #	Representative Outfall
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

Item III.

- YES  NO Did discharges of sediment or other pollutants occur from the site? If "Yes", please list a description of the discharge(s) and their location(s):
- YES  NO Were BMPs properly implemented and maintained at the time of inspection? If "No", please provide location(s) and descriptions of BMPs that need maintenance:
- YES  NO Are BMPs needed in addition to those already present onsite at the time of inspection? If "Yes" please provide a description and location of additional BMPs that are needed:
- YES  NO Have any BMPs failed to operate as designed? If "Yes", please provide location(s) and description of BMP(s) that failed:
- YES  NO Were there BMPs required by the CBMPP that were not installed or installed in a manner not consistent with the CBMPP? If "Yes", please provide a description and location where the BMPs were not installed or installed incorrectly:

Item IV.

The Permittee shall conduct turbidity monitoring in accordance with Part V of the permit:

- YES  NO Is this facility a Priority Construction Site?
- YES  NO Has the facility disturbed greater than 10 acres?
- YES  NO Was the site discharging at the time of inspection?
- YES  NO Samples collected, if "Yes", sampling data must be attached.





### **Procedures for Receipt of Information Submitted by the Public**

The county's webpage provides contact information where the general public can provide information regarding potential erosion and sediment control concerns. The general public can also report potential concerns by contacting the County's Storm Water Manager at the following address: Mr. Chris Gann, 160 Seaton Drive, Anniston, AL 36201 Phone: 256-237-4657 Fax: 256-237-2009. The county responds to each concern in a timely and efficient manner.

### **3.5 Post Construction Site Storm Water Management**

The NPDES permit, ALR040004, states that the permit holders are to develop, implement and enforce a program to address storm water runoff from new and re-development projects that fall under any imposed ordinances or that qualify for permitting under ADEM storm water runoff for qualifying sites.

The county utilizes and recommends the methods and designs from Alabama Handbook to control and improve post-construction stormwater runoff from new development and redevelopment during the permit cycle. Potential benefits of effectively controlling post-construction stormwater runoff include: water quality improvements, minimization of stream erosion and effective control of potential flooding impacts. The county encourages post-construction storm water management utilizing the methods laid out in the Alabama Handbook designed to address storm water pollution from nutrients, sediments and pathogens.

The strategy for the target audiences described above will vary depending on the type of audience and the potential risk and impact of pollutant contribution from post-construction storm water runoff. Overall management and implementation of the county's post-construction storm water management program will be the responsibility of the county's Storm Water Manager.

Overall success of the post-construction storm water management program will primarily be gauged through water quality monitoring as well as visual observations of stream erosion and flooding impacts. The county emphasizes the use of specific components and measurable goals within our post-construction storm water management program. Current construction designs use well developed structural and non-structural controls to manage storm water at all qualifying construction sites for the duration of use for the particular piece of property. The particular controls designed for each construction site are maintained in order to restore runoff to the original or better quality of runoff before construction began to minimize volume and velocity of runoff to the highest extent practicable.





### **Engineering Design and Construction Manuals**

The county utilizes the Alabama Handbook in its construction projects and requires Developers, Contractors and Engineers to follow the guidelines of the Handbook. Web links to the manuals are listed on the county's website on the Stormwater tab. These methods are known to effectively address stormwater runoff. Using the Handbook identifies project requirements and specifications for new stormwater infrastructure.

The Storm Water Manager utilizes the Handbook which includes engineering design criteria for sewer and water infrastructure, as well as stormwater BMPs for water quality protection such as rain gardens and storm water wetlands.

The county will continue to use the Handbook as a guide for project design and construction of appropriate BMPs to effectively manage post-construction stormwater runoff during each permit cycle.

### **Conservation Subdivision Regulations**

In place of amending the current subdivision regulations, the County Commission decided to require the developer's engineer certify the stormwater system was designed to withstand a minimum of a 2-yr 24-hr storm event. An example of a certification letter is provided in the **Appendix**.

The current regulations promote water resource protection through the setting aside of open space, concentrating development away from water resources and promoting low impact development concepts.

The County continues to promote the use of stormwater conservation in its subdivision guidelines. These conservation subdivision guidelines primarily affect a target audience that includes engineers, developers, contractors and homebuilders. Included in stormwater guidance documents being prepared by the county are the management practices and controls designed to achieve the runoff control goals that have been set.

The proposed guidelines include information on practices such as placement of drainage structures and establishment of permanent vegetation to assist in runoff management. Site approval and inspections processes are addressed in the guidance and inspection intervals are in line with minimum inspections as set forth through the ADEM's existing regulations and procedures. Tracking of all qualifying projects will be administered using the same GIS system used in the IDDE section control measure BMP. A scheduled annual review and evaluation of all sites will be conducted approximately one year after project completion.





## Structural BMPs

### Detention Pond Inspections

Projects undertaken by the county engineering staff and other department are rarely large enough to incorporate or utilize the design of a detention pond. On sites where there are existing detention ponds, periodic inspections to evaluate the maintenance and operation of these vital components of the county's drainage system, often identify potential problems. When needed the Storm Water Manager is tasked with performing annual inspections of all detention ponds (public and private) listed in the county's stormwater inventory. Upon inspection, the owner of the pond is notified of any corrective actions needed. Enforcement measures will be taken if the owner does not address the items listed in the report. The 2016 inspection reports are available at the Calhoun County Highway Department Offices.



## Watershed Management

### Design Guidelines for Structural BMPs

The county utilizes the Alabama Handbook as its guideline for the design, construction, installation and maintenance of stormwater BMPs. These guidelines primarily affect a target audience of engineers, developers and contractors.

### Long-Term Maintenance of BMPs

Long-term maintenance of structural BMPs is a critical component to ensure that these BMPs continue to function as originally designed. The county will implement requirements for a maintenance agreement that ensures the long term maintenance of these structures.



The county continues to work on issuing updated standard agreements and other mechanisms as guidelines for developers, homeowner associations, and other groups which will ensure the long-term maintenance of structural BMPs.

### **3.6 Pollution Prevention and Good Housekeeping for Municipal/County Operations**

The county has developed a program of education and training employees about spill prevention and storm water management and pollution prevention. This periodic training includes, storm water management, potential contaminant sources and best management practices as well as quick response techniques for releases of substances and materials that would be detrimental to the environment if released at one of its facilities. During the 2016 reporting period, county staff was provided training utilizing the instructional videos “Rain Check” and “IDDE”.

The county’s current program is intended to reduce storm water pollution and promote good housekeeping measures in municipal operations. The county continues to expand upon and will work to improve its training and education programs during each permit cycle. Potential benefits from an effective pollution prevention/good housekeeping program for municipal operations include: reduced storm water pollution from municipal operations and increased employee awareness regarding the effect of their daily activities on storm water management.

#### **Stormwater Management Training**

The county Staff attends and participates when possible, in a workshops and seminars where storm water/water quality related issues and information is provided. The Storm Water Manager attended training in Montgomery on October 5, 2017. Training provided information and resources utilized by the Storm Water Manager and other county and other municipal departments on using methods for implementing site control measures on construction projects. County personnel also attend training opportunities including ADEM conferences and workshops, regional conferences and national conferences when available. County Staff attends conferences such as the 2018 ADEM Nonpoint Source Conference, held on March 15, 2018 to stay current on stormwater management information.

County Staff receives updated information and reminders as part of their quarterly Safety and Information meetings. The staff is reminded of the importance of controlling stormwater run-off along county roads and the importance of spill cleanup at the county facilities. In the past the county





has utilized a number of videos to make staff aware of the stormwater issues and will continue to use the aids as part of their training information.

The Storm Water Manager reviews the SPCC Plan with county's staff in conjunction with other scheduled meetings and training sessions. A number of informal workshops held during the year target county employees who deal with fuels and chemicals on a daily basis and provide basic information on the proper management, handling and disposal of potentially hazardous chemicals. The county will continue to create, offer and encourage storm water management training for county employees during the each permit cycle.

### **Certified Herbicide Applicators**

The Calhoun County Highway Department maintains trained and certified personnel in the application of herbicides, including both restricted use and non-restricted use herbicides. Currently the County has 6 who are certified. See the list below:

Brian Conary

Lamar Murray

James Bryan

Johnny Gann

Michael Hosch

Rodney McCain

County personnel attend various training events to maintain their certification. By obtaining certification, applicators become knowledgeable of the proper use and application of fertilizers and herbicides to maintain county right-of-ways. The staff uses the best management practices which are intended to reduce the need for herbicides, fertilizers and water. The county will continue to maintain personnel trained in the application of herbicides. Documentation of the staff training is available at the Calhoun County Highway Department.



## APPENDIX





LANCE R. LEFLEUR  
DIRECTOR



ROBERT J. BENTLEY  
GOVERNOR

Alabama Department of Environmental Management  
adem.alabama.gov

1400 Coliseum Blvd. 36110-2400 ■ Post Office Box 301463  
Montgomery, Alabama 36130-1463  
(334) 271-7700 ■ FAX (334) 271-7950

September 12, 2016

Mr. John "JD" Hess  
Calhoun County Commissioner  
1702 Noble Street, Suite 103  
Anniston, Alabama 36201

Re: Municipal Separate Storm Sewer System (MS4) Phase II General Permit  
NPDES Permit No. ALR040004  
Calhoun County (015)

Dear Commissioner Hess:

The Department has made a final determination to reissue General NPDES Permit No. ALR040000 for discharges from regulated small municipal separate storm sewer systems. The reissued permit will become effective on October 1, 2016 and will expire on September 30, 2021.

The Department notified the public of its tentative determination to reissue General NPDES Permit No. ALR040000 on November 18, 2015. Interested persons were provided the opportunity to submit comments on the Department's tentative decision through December 18, 2015. In accordance with ADEM Admin Code r. 335-6-6-.21(7), a response to all comments received during the public comment period will be available on the Department's efile system.

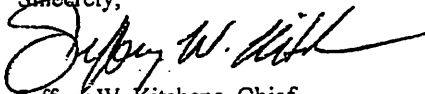
Based on your request, as evidenced by the submittal of a Notice of Intent, coverage under the General NPDES Permit No. ALR040004 is granted. The effective date of issuance coverage is October 1, 2016.

Coverage under this permit does not authorize the discharge of pollutant or non-stormwater that is not specifically identified in the permit and by the Notice of Intent which resulted in granting this coverage.

You are responsible for compliance with all provisions of the permit, including, but not limited to, the performance of any monitoring (if applicable), the submittal of any reports, and the preparation and implementation of any plans required by the permit. Part II.A.4. of the re-issued permit requires the submittal of an updated Stormwater Management Program Plan (SWMPP) within three months of the issuance date of this permit (January 1, 2017).

If you have any additional questions or concerns, please contact Marla Smith by email at [mssmith@adem.state.al.us](mailto:mssmith@adem.state.al.us) or by phone at 334-270-5616.

Sincerely,

  
Jeffery W. Kitchens, Chief  
Stormwater Management Branch  
Water Division

JWK/mss

File: FPER/2459

Enclosure: Final Permit ALR040004

Cc: Ms. Kacy Sable, EPA (via email)  
Mr. Chris Gann, Calhoun County (via email)

Birmingham Branch  
110 Vulcan Road  
Birmingham, AL 35209-4702  
(205) 942-6168  
(205) 941-1603 (FAX)

Decatur Branch  
2715 Sandlin Road, S.W.  
Decatur, AL 35603-1333  
(256) 353-1713  
(256) 340-9359 (FAX)



Mobile Branch  
2204 Perimeter Road  
Mobile, AL 36615-1131  
(251) 450-3400  
(251) 479-2593 (FAX)

Mobile-Coastal  
3664 Dauphin Street, Suite B  
Mobile, AL 36608  
(251) 304-1176  
(251) 304-1189 (FAX)



# NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

DISCHARGE AUTHORIZED: STORMWATER DISCHARGES FROM REGULATED  
SMALL MUNICIPAL SEPARATE STORM SEWER  
SYSTEMS

AREA OF COVERAGE: THE STATE OF ALABAMA

PERMIT NUMBER: ALR040004

RECEIVING WATERS: ALL WATERS OF THE STATE OF ALABAMA

*In accordance with and subject to the provisions of the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§1251-1378 (the "FWPCA"), the Alabama Water Pollution Control Act, as amended, Code of Alabama 1975, §§ 22-22-1 to 22-22-14 (the "AWPCA"), the Alabama Environmental Management Act, as amended, Code of Alabama 1975, §§22-22A-1 to 22-22A-15, and rules and regulations adopted thereunder, and subject further to the terms and conditions set forth in this permit, the Permittee is hereby authorized to discharge into the above-named receiving waters.*

ISSUANCE DATE: SEPTEMBER 6, 2016

EFFECTIVE DATE: OCTOBER 1, 2016

EXPIRATION DATE: SEPTEMBER 30, 2021

*BIENNA L. DEAN*  
Alabama Department of Environmental Management



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## **PART I Coverage Under This General Permit**

### **A. Permit Coverage**

This permit covers the urbanized areas designated as a Phase II Municipal Separate Storm Sewer System (MS4) within the State of Alabama.

### **B. Authorized Discharges**

1. This permit authorizes discharges of storm water from small MS4s, as defined in 40 CFR Part 122.26(b)(16). An entity may discharge under the terms and conditions of this general permit if the entity:
  - a. Owns or operates a small MS4 within the permit area described in Section A;
  - b. Is not a "large" or "medium" MS4 as described in 40 CFR Part 122.26(b)(4) or (7);
  - c. Submits a Notice of Intent (NOI) in accordance with Part II of this general permit; and
  - d. Either:
    - i. Is located fully or partially within an urbanized area as determined by the latest Decennial Census by the Bureau of Census, or
    - ii. Is designated for permit authorization by the Department pursuant to 40 CFR Part 122.32(a)(2).
2. This permit authorizes the following non-storm water discharges provided that they do not cause or contribute to a violation of water quality standards and that they have been determined not to be substantial contributors of pollutants to a particular small MS4 applying for coverage under this permit and that is implementing the storm water management program (SWMP) set forth in this permit:
  - a. Water line flushing
  - b. Landscape irrigation
  - c. Diverted stream flows
  - d. Uncontaminated ground water infiltration
  - e. Uncontaminated pumped groundwater
  - f. Discharges from potable water sources
  - g. Foundation drains
  - h. Air conditioning condensate
  - i. Irrigation water (not consisting of treated, or untreated, wastewater)
  - j. Rising ground water
  - k. Springs
  - l. Water from crawl space pumps
  - m. Footing drains
  - n. Lawn watering runoff
  - o. Individual residential car washing, to include charitable carwashes

- p. Residual street wash water
- q. Discharge or flows from firefighting activities (including fire hydrant flushing)
- r. Flows from riparian habitats and wetlands
- s. Dechlorinated swimming pool discharges, and
- t. Discharges authorized and in compliance with a separate NPDES permit.

### **C. Prohibited Discharges**

The following discharges are not authorized by this permit:

1. Discharges that are mixed with sources of non-storm water unless such non-storm water discharges are:
  - a. In compliance with a separate NPDES permit; or
  - b. Determined by the Department not to be a significant contributor of pollutants to waters of the State;
2. Storm water discharges associated with industrial activity as defined in 40 CFR Part 122.26(b)(14)(i)-(ix) and (xi);
3. Storm water discharges associated with construction activity as defined in 40 CFR Part 122.26(b)(14)(x) or 40 CFR 122.26(b)(15) and subject to Alabama Department of Environmental Management (ADEM) Code r. 335-6-12;
4. Storm water discharges currently covered under another NPDES permit;
5. Discharges to territorial seas, contiguous zone, and the oceans unless such discharges are in compliance with the ocean discharge criteria of 40 CFR Part 125, Subpart M;
6. Discharges that would cause or contribute to instream exceedances of water quality standards; Your storm water management program plan (SWMP) must include a description of the Best Management Practices (BMPs) that you will be using to ensure that this will not occur. The Department may require corrective action or an application for an individual permit if an MS4 is determined to cause an instream exceedance of water quality standards;
7. Discharges of any pollutant into any water for which a total maximum daily load (TMDL) has been approved or developed by EPA unless your discharge is consistent with the TMDL; This eligibility condition applies at the time you submit a NOI for coverage. If conditions change after you have permit coverage, you may remain covered by the permit provided you comply with the applicable requirements of Part V. You must incorporate any limitations, conditions and requirements applicable to your discharges, including monitoring frequency and reporting required, into your SWMP in order to be eligible for permit coverage. For discharges not eligible for coverage under this permit, you must apply for and receive an individual or other applicable general NPDES permit prior to discharging;
8. This permit does not relieve entities that cause illicit discharges, including spills, of oils or hazardous substances, from responsibilities and liabilities under State and Federal law and regulations pertaining to those discharges.



#### **D. Obtaining Authorization**

1. To be authorized to discharge storm water from small MS4s, you must submit a Notice of Intent (NOI) and a description of your storm water management program (SWMP) in accordance with the deadlines presented in Part II of this permit.
2. You must submit the information required in Part II on the latest version of the NOI form (or photocopy thereof). Your NOI must be signed and dated in accordance with Part VII of this permit.
3. No discharge under the general permit may commence until the discharger receives the Department's acknowledgement of the NOI and approval of the coverage of the discharge by the general permit. The Department may deny coverage under this permit and require submittal of an application for an individual NPDES permit based on a review of the NOI.
4. Where the operator changes, or where a new operator is added after submittal of an NOI under Part II, a new NOI must be submitted in accordance with Part II within thirty (30) days of the change or addition.
5. For areas extended within your MS4 by the latest census or annexed into your MS4 area after you received coverage under this general permit, the first annual report submitted after the annexation must include the updates to your SWMP, as appropriate.

**Note:** If the Department notifies the dischargers (directly, by the public notice, or by making information available on the Internet) of other NOI form options that become available at a later date (e.g., electronic submission of forms), you may take advantage of those options to satisfy the NOI use and submittal requirements in Part II.

#### **E. Implementation**

1. This permit requires implementation of the MS4 Program under the State and Federal NPDES Regulations. MS4s shall modify their programs if and when water quality considerations warrant greater attention or prescriptiveness in specific components of the municipal program.
2. If a small MS4 operator implements the minimum control measures in 40 CFR 122.34(b) and the discharges are determined to cause or contribute to non-attainment of an applicable water quality standard as evidenced by the State of Alabama's 303(d) list or an EPA-approved or developed Total Maximum Daily Load (TMDL), the operator must tailor its BMPs within the scope of the six minimum control measures to address the pollutants of concern and implement permit requirements outlined in Part IV.D. and Part V of this permit.
3. Existing MS4s, unless otherwise stated within this permit, shall implement each of the minimum control measures outlined in Part III.B. of this permit immediately upon the effective date of coverage. Newly designated MS4s, unless otherwise stated in this permit, shall implement the minimum control measures outlined in Part III.B. of this permit within

365 days of the effective date of coverage. However, for newly designated MS4s, where new or revised ordinances are required to implement any of the minimum control measures, such ordinances shall be enacted within 730 days from the effective date of coverage.

## **PART II Notice of Intent (NOI) Requirements**

### **A. Deadlines of Applications**

1. If you are automatically designated under 40 CFR Part 122.32(a)(1) or designated by the Department, then to request recoveage, you are required to submit an NOI or an application for an individual permit and a description of your SWMP at least 90 days before the expiration of this permit.
2. If you are designated by the Department after the date of permit issuance, then you are required to submit an NOI or an application for an individual permit and a description of your SWMP within 180 days upon notification. Within six months of initial issuance, the operator of the regulated small MS4 shall submit a storm water management program plan (SWMPP) to the Department for review. A SWMPP can be submitted electronically in a .PDF format, or in another prescribed manner acceptable to the Department that contains all necessary components
3. You are not prohibited from submitting an NOI after the dates provided in Part II.A.1-2. If a NOI is submitted after the dates provided in Part II.A.1-2., your authorization is only for discharges that occur after permit coverage is granted. The Department reserves the right to take appropriate enforcement actions for any unpermitted discharges.
4. Within three months of the date of re-issuance of coverage under this permit, all operators of regulated small MS4s shall submit a revised storm water management program plan (SWMPP) to the Department for review.
5. **On or after December 21, 2020, all NOIs shall be made electronically in a prescribed manner acceptable to the Department.**

### **B. Continuation of the Expired General Permit**

If this permit is not reissued or replaced prior to the expiration date, it will be administratively continued in accordance with the ADEM Code r. 335-6-6 and remain in force and effect if the Permittee re-applies for coverage as required under Part II of this Permit. Any Permittee who was granted permit coverage prior to the expiration date will automatically remain covered by the continued permit until the earlier of:

1. Reissuance or replacement of this permit, at which time you must comply with the Notice of Intent conditions of the new permit to maintain authorization to discharge; or
2. Issuance of an individual permit for your discharges; or
3. A formal permit decision by the Department not to reissue this general permit, at which time you must seek coverage under an alternative general permit or an individual permit.



### **C. Contents of the Notice of Intent (NOI)**

The Notice of Intent must be signed in accordance with Part VII.G of this permit and must include the following information:

1. Information on the Permittee:
  - a. The name of the regulated entity, specifying the contact person and responsible official, mailing address, telephone number and email address; and
  - b. An indication of whether you are a Federal, State, County, Municipal or other public entity.
2. Information on the MS4:
  - a. the name of your organization, county, city, or town and the latitude/longitude of the center or the MS4 location;
  - b. The name of the major receiving water(s) and an indication of whether any of your receiving waters are included on the latest 303(d) list, included in an EPA-approved and/or EPA developed total maximum daily load (TMDL) or otherwise designated by the Department as being impaired. If you have discharges to 303(d) or TMDL waters, a certification that your SWMPP complies with the requirements of Part V;
  - c. If you are relying on another governmental entity, regulated under the storm water regulations (40 CFR Part 122.26 & 122.32) to satisfy one or more of your permit obligations (see Part III), the identity of that entity(ies) and the elements(s) they will be implementing. The Permittee remains responsible for compliance if the other entity fails to fully perform the permit obligation, and may be subject to enforcement action if neither the Permittee nor the other entity fully performs the permit obligation; and
  - d. Must include if you are relying on the Department for enforcement of erosion and sediment controls on qualifying construction sites in accordance with Part III.B.3.b.
3. Include a brief summary of the best management practices (BMPs) for the minimum control measures in Part III of this permit (i.e. a brief summary of the MS4's SWMPP), your timeframe for implementing each of the BMPs, and the person or persons responsible for implementing or coordinating your SWMPP.

### **D. Where to Submit MS4 Documents**

You are to submit your NOI or individual application, and a description of your SWMP as allowed under Part II.A., signed in accordance with the signatory requirements of Section VII of this permit, to the Department at the following address:

**Alabama Department of Environmental Management  
Water Division  
Storm Water Management Branch  
Post Office Box 301463  
Montgomery, Alabama 36130-1463**

Certified and Registered Mail shall be addressed to:

**Alabama Department of Environmental Management  
Water Division  
Storm Water Management Branch  
1400 Coliseum Boulevard  
Montgomery, Alabama 36110-2059**

On or after December 21, 2020, all NOIs shall be made electronically in a prescribed manner acceptable to the Department.

### **PART III Storm Water Pollution Prevention and Management Program for Small MS4s**

#### **A. Storm Water Management Program (SWMP)**

1. The Permittee is required to develop, revise, implement, maintain and enforce a storm water management program (SWMP) which shall include controls necessary to reduce the discharge of pollutants from its MS4 consistent with Section 402(p)(3)(B) of the Clean Water Act and 40 CFR Parts 122.30-122.37. These requirements shall be met by the development and implementation of a storm water management program plan (SWMPP) which addresses the best management practices (BMPs), control techniques and systems, design and engineering methods, public participation and education, monitoring, and other appropriate provisions designed to reduce the discharge of pollutants from the MS4 to the maximum extent practicable (MEP).
2. The Permittee shall provide and maintain adequate finance, staff, equipment, and support capabilities necessary to implement the SWMPP and comply with the requirements of this permit.
3. The SWMPP must address the minimum storm water control measures referenced in Part III.B. to include the following:
  - a. A map of the Permittee's MS4 urbanized areas;
  - b. The BMPs that will be implemented for each control measure. Low impact development/green infrastructure shall be considered where feasible. Information on LID/Green Infrastructure is available on the following websites: <http://www.adem.alabama.gov/programs/water/waterforms/LIDHandbook.pdf> and <http://epa.gov/polwaste/green/index.cfm>.
  - c. The measureable goals for each of the minimum controls outlined in Part III.B.;
  - d. The proposed schedule—including interim milestones, as appropriate, inspections, and the frequency of actions needed to fully implement each minimum control; and
  - e. The person and/or persons responsible for implementing or coordination the BMPs for each separate minimum control measure.



4. Once the initial SWMPP is acknowledged by ADEM, activities and associated schedules outlined by the SWMPP or updates to the SWMPP are conditions of the permit.
5. Unless otherwise specified in this permit, the Permittee shall be in compliance with the conditions of this permit by the effective date of coverage.

## **B. Minimum Storm Water Control Measures**

### **1. Public Education and Public Involvement on Storm Water Impacts**

- a. The Permittee must develop and implement a public education and outreach program to inform the community about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff to the MEP. The Permittee shall continuously implement this program in the areas served by the MS4. The Permittee shall also comply, at a minimum, with applicable State and local public notice requirements when implementing a public involvement/participation program.
- b. The Permittee shall include within the SWMPP the methods for how it will:
  - i. Seek and consider public input in the development, revision, and implementation of the SWMPP;
  - ii. Identify targeted pollutant sources the Permittee's public education program is intended to address;
  - iii. Specifically address the reduction of litter, floatables and debris from entering the MS4, that may include, but is not limited to:
    1. Establishing a program to support volunteer groups for labeling storm drain inlets and catch basins with "no dumping" message; and
    2. Posting signs referencing local codes that prohibit littering and illegal dumping at selected designated public access points to open channels, creeks, and other relevant waterbodies;
  - iv. Inform and involve individuals and households about the steps they can take to reduce storm water pollution; and
  - v. Inform and involve individuals and groups on how to participate in the storm water program (with activities that may include, but not limited to, local stream and lake restoration activities, storm water stenciling, advisory councils, watershed associations, committees, participation on rate structures, stewardship programs and environmental related activities). The target audiences and subject areas for the education program that are likely to have significant storm water impacts should include, but is not limited to, the following:
    1. General Public
      - a. General impacts litter has on water bodies, how trash is delivered to streams via the MS4 and ways to reduce the litter;

- b. General impacts of storm water flows into surface water from impervious surface; and
    - c. Source control BMPs in areas of pet waste, vehicle maintenance, landscaping and rain water reuse.
  - 2. General Public, Businesses, Including Home-Based and Mobile Businesses
    - a. BMPs for use and storage of automotive chemicals, hazardous cleaning supplies, carwash soaps and other hazardous materials; and
    - b. Impacts of illicit discharges and how to report them.
  - 3. Homeowners, Landscapers, and Property Managers
    - a. Yard care techniques that protect water quality;
    - b. BMPs for use and storage of pesticides and fertilizers;
    - c. BMPs for carpet cleaning and auto repair and maintenance;
    - d. Runoff reduction techniques, which may include but not limited to site design, pervious paving, retention of forests, and mature trees; and
    - e. Storm water pond maintenance.
  - 4. Engineers, Contractors, Developers, Review Staff and Land Use Planners
    - a. Technical standards for construction site sediment and erosion control;
    - b. Storm water treatment and flow control BMPs;
    - c. Impacts of increased storm water flows into receiving water bodies; and
    - d. Run-off reduction techniques and low impact development (LID)/green infrastructure (GI) practices that may include, but not limited to, site design, pervious pavement, alternative parking lot design, retention of forests and mature trees to assist in storm water treatment and flow control BMPS.
- vi. Evaluation of the effectiveness of the public education and public involvement program.
- c. The Permittee shall report each year in the annual report the following information:
  - i. A description of the activities used to involve groups and/or individuals in the development and implementation of the SWMPP;
  - ii. A description of the individuals and groups targeted and how many groups and/or individuals participated in the programs;
  - iii. A description of the activities used to address the reduction of litter, floatables and debris from entering the MS4 as required in Part III.B.1.b.iii.;



- iv. A description of the communication mechanisms or advertisements used to inform the public and the quantity that were distributed (i.e. number of printed brochures, copies of newspapers, workshops, public service announcements, etc); and
  - v. Results of the evaluation of the public education and public involvement program as required in Part III.B.1.b.vi.
- d. The Permittee shall make their SWMPP and their annual reports required under this permit available to the public when requested. The current SWMPP and the latest annual report should be posted on the Permittee's website, if available.

## **2. Illicit Discharge Detection and Elimination (IDDE) Program**

- a. The Permittee shall implement an ongoing program to detect and eliminate illicit discharges into the MS4, to the maximum extent practicable. The program shall include, at a minimum, the following:
  - i. An initial map shall be provided in the SWMPP with updates, if any, provided each year in the annual report. The map shall include, at a minimum:
    - 1. The latitude/longitude of all known outfalls;
    - 2. The names of all waters of the State that receive discharges from these outfalls; and,
    - 3. Structural BMPs owned, operated, or maintained by the Permittee.
  - ii. To the extent allowable under State law, an ordinance or other regulatory mechanism that effectively prohibits non-storm water discharges to the MS4. The ordinance or other regulatory mechanism shall be reviewed annually and updated as necessary and shall:
    - 1. Include escalating enforcement procedures and actions; and
    - 2. Require the removal of illicit discharges and the immediate cessation of improper disposal practices upon identification of responsible parties. Where the removal of illicit discharge within ten (10) working days is not possible, the ordinance shall require an expeditious schedule for removal of the discharge. In the interim, the ordinance shall require the operator of the illicit discharge to take all reasonable and prudent measures to minimize the discharge of pollutants to the MS4.
  - iii. A dry weather screening program designed to detect and address non-storm water discharges to the MS4. This program must address, at a minimum, dry weather screening of fifteen percent (15%) of the outfalls once per year with all (100 percent) screened at least once per five years. Priority areas, as described by the Permittee in the SWMPP, will be dry weather screened on a more frequent schedule as outlined in the SWMPP. If any indication of a suspected illicit discharge, from an unidentified

- source, is observed during the dry weather screening, then the Permittee shall follow the screening protocol as outlined in the SWMPP.
- iv. Procedures for tracing the source of a suspect illicit discharge as outlined in the SWMPP. At a minimum, these procedures will be followed to investigate portions of the MS4 that, based on the results of the field screening or other appropriate information, indicate a reasonable potential of containing illicit discharges or other sources of non-storm water.
  - v. Procedures for eliminating an illicit discharge as outlined in the SWMPP;
  - vi. Procedures to notify ADEM of a suspect illicit discharge entering the Permittee's MS4 from an adjacent MS4 as outlined in the SWMPP;
  - vii. A mechanism for the public to report illicit discharges discovered within the Permittee's MS4 and procedures for appropriate investigation of such reports;
  - viii. A training program for appropriate personnel on identification, reporting, and corrective action of illicit discharges;
  - ix. Address the following categories of non-storm discharges or flows (i.e., illicit discharges) only if the Permittee or the Department identifies them as significant contributors of pollutants to your small MS4: water line flushing, landscape irrigation, diverted stream flows, rising ground waters, uncontaminated ground water infiltration (infiltration is defined as water other than wastewater that enters a sewer system, including foundation drains, from the ground through such means as defective pipes, pipe joints, connections, or manholes. Infiltration does not include, and is distinguished from, inflow), uncontaminated pumped ground water, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, springs, water from crawl space pumps, footing drains, lawn watering run-off, individual residential car washing, flows from riparian habitats and wetlands, discharge or flows from firefighting activities (to include fire hydrant flushing); dechlorinated swimming pool discharges, and residual street wash water, discharge authorized by and in compliance with a separate NPDES permit; and
  - x. The Permittee may also develop a list of other similar occasional incidental non- storm water discharges (e.g. non-commercial or charity car washes, etc.) that will not be addressed as illicit discharges. These non- storm water discharges must not be reasonably expected (based on information available to the Permittees) to be significant sources of pollutants to the municipal separate storm sewer system, because of either the nature of the discharges or conditions you have established for allowing these discharges to your MS4 (e.g., a charity car wash with appropriate controls on frequency, proximity to impaired waterbodies, BMPs on the wash water, etc.). You must document in your SWMPP any local controls or conditions placed on the discharges. The Permittee must include a provision prohibiting any individual non- storm water discharge that is



determined to be contributing significant amounts of pollutants to your MS4.

- b. The Permittee shall report each year in the annual report the following information:
  - i. List of outfalls observed during the dry weather screening;
  - ii. Updated MS4 map(s) unless there are no changes to the map that was previously submitted. When there are no changes to the map, the annual report must state this;
  - iii. Copies of, or a link to, the IDDE ordinance or other regulatory mechanism; and
  - iv. The number of illicit discharges investigated, the screening results, and the summary of corrective actions taken to include dates and timeframe of response.

### 3. Construction Site Storm Water Runoff Control

- a. The Permittee must develop/revise, implement and enforce an ongoing program to reduce, to the maximum extent practicable, the pollutants in any storm water runoff to the MS4 from qualifying construction sites. The program shall include the following at a minimum:
  - i. Specific procedures for construction site plan (including erosion prevention and sediment controls) review and approval: The MS4 procedures must include an evaluation of plan completeness and overall BMP effectiveness;
  - ii. To the extent allowable under State law, an ordinance or other regulatory mechanism to require erosion and sediment controls, sanctions to ensure compliance, and to provide all other authorities needed to implement the requirements of Part III.B.3 of this permit;
  - iii. A training program for MS4 site inspection staff in the identification of appropriate construction best management practices (example: QCI training in accordance with ADEM Admin Code. R. 335-6-12 or the Alabama Construction Site General Permit);
  - iv. Procedures for the periodic inspection of qualifying construction sites to verify the use of appropriate erosion and sediment control practices that are consistent with the Alabama Handbook for Erosion Control, Sediment Control, And Stormwater Management on Construction Sites and Urban Areas published by the Alabama Soil and Water Conservation Committee (hereinafter the "Alabama Handbook"). The frequency and prioritization of inspection activities shall be documented in the SWMPP and must include a minimum inspection frequency of once each month for priority construction sites;
  - v. Procedures, as outlined in the SWMPP, to notify ADEM of construction sites that do not have a NPDES permit or ineffective BMPs that are discovered during the periodic inspections. The notification must provide,

- at a minimum, the specific location of the construction project, the name and contact information from the owner or operator, and a summary of the site deficiencies; and
- vi. A mechanism for the public to report complaints regarding discharges from qualifying construction sites.
- b. ADEM implements a State-wide NPDES construction storm water regulatory program. As provided by 40 CFR Part 122.35(b), the Permittee may rely on ADEM for the setting of standards for appropriate erosion controls and sediment controls for qualifying construction sites and for enforcement of such controls, and must document this in its SWMPP. If the Permittee elects not to rely on ADEM's program, then the Permittee must include the following, at a minimum, in its SWMPP:
- i. Requirements for construction site operators to implement appropriate erosion and sediment control BMPs consistent with the Alabama Handbook for Erosion Control, Sediment Control, And Stormwater Management on Construction Sites and Urban Areas published by the Alabama Soil and Water Conservation Committee (hereinafter the "Alabama Handbook");
  - ii. 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;
  - iii. Development and implementation of an enforcement strategy that includes escalating enforcement remedies to respond to issues of non-compliance;
  - iv. An enforcement tracking system designed to record instances of non-compliance and the MS4's responding actions. The enforcement case documentation should include:
    1. Name of owner/operator
    2. Location of construction project or industrial facility
    3. Description of violations
    4. Required schedule for returning to compliance
    5. Description of enforcement response used, including escalated responses if repeat violation occur or violations are not resolved in a timely manner;
    6. Accompanying documentation of enforcement response (e.g., notices of noncompliance, notices of violation, etc);
    7. Any referrals to different departments or agencies; and
    8. Date violation was resolved
  - v. The Permittee must keep records of all inspections (i.e. inspection reports) and employee training required by Part III.3.a.
- c. The Permittee shall include within the SWMPP the following information:
- i. Procedures for site plan reviews as required by Part III.B.3.a.i;
  - ii. A copy or link of the ordinance or other regulatory mechanism required by Part III.B.3.a.ii.;



- iii. Plans for the training of MS4 site inspection staff as required by Part III.B.3.a.iii; and
- iv. A site inspection plan meeting the requirements of Part III.B.3.a.iv; and
- d. The Permittee shall maintain the following information and make it available upon request:
  - i. Documentation of all inspections conducted of qualifying construction sites as required by Part III.B.3.a.iv. The inspection documentation shall include, at a minimum, the following:
    - 1. Facility type;
    - 2. Inspection date;
    - 3. Name and signature of inspector;
    - 4. Location of construction project;
    - 5. Owner/operator information (name, address, phone number, email);
    - 6. Description of the storm water BMP condition that may include, but not limited to, the quality of vegetation and soils, inlet and outlet channels and structures, embankments, slopes and safety benches, spillways, weirs, and other control structures; and sediment and debris accumulation in storage and forebay areas as well as in and around inlet and outlet structures; and
    - 7. Photographic documentation of any issues and/or concerns.
  - ii. Documentation of referrals of noncompliant construction sites and/or enforcement actions taken at construction sites to include, at a minimum, the following:
    - 1. Name of owner/operator
    - 2. Location of construction project;
    - 3. Description of violation;
    - 4. Required schedule for returning to compliance;
    - 5. Description of enforcement response used, including escalated responses if repeat violations occur; and
    - 6. Accompanying documentation of enforcement responses (e.g. notices of non-compliance, notices of violations, etc).
  - iii. Records of public complaints including:
    - 1. Date, time and description of the complaint;
    - 2. Location of subject construction sites; and
    - 3. Identification of any actions taken (e.g. inspections, enforcement, corrections). Identifying information must be sufficient to cross-reference inspection and enforcement records.
- e. The Permittee shall report each year in the annual report the following information:
  - i. A description of any completed or planned revisions to the ordinance or regulatory mechanism required by Part III.B.3.a.i and the most recent copy, or a link to the ordinance; and
  - ii. List of all active construction sites within the MS4 to include the following summary:

1. Number of construction site inspections;
2. Number of non-compliant construction site referrals and/or enforcement actions and description of violations;
3. Number of construction site runoff complaints received; and
4. Number of MS4 staff/inspectors trained.

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

- a. Post-construction storm water management refers to the activities that take place after construction occurs, and includes structural and non-structural controls including low-impact development and green infrastructure practices to obtain permanent storm water management over the life of the property's use. These post construction controls should be considered during the initial site development planning phase.
  - i. The Permittee must develop/revise, implement, and enforce a program to address storm water runoff from qualifying new development and redevelopment projects, to the maximum extent practicable. This program shall ensure that controls are in place to prevent or minimize water quality impacts. Specifically, the Permittee shall:
    1. Develop/revise and outline in the SWMPP procedures for the site-plan review and approval process and a required re-approval process when changes to post-construction controls are required; and
    2. Develop/revise and outline in the SWMPP procedures for a post-construction process to demonstrate and document that post-construction storm water measures have been installed per design specifications, which includes enforceable procedures for bringing noncompliant projects into compliance.
  - ii. The Permittee must develop and implement strategies which may include a combination of structural and/or non-structural BMPs designed to ensure, to the maximum extent practicable, that the volume and velocity of pre-construction stormwater runoff is not significantly exceeded. A design rainfall event with an intensity up to that of a 2yr-24hr storm event shall be the basis for the design and implementation of post- construction BMPs.
  - iii. To the extent allowable under State law, the Permittee must develop and institute the use of an ordinance or other regulatory mechanism to address post-construction runoff from qualifying new development and redevelopment projects.
  - iv. The Permittee must require adequate long-term operation and maintenance of BMPs. One or more of the following as applicable:



1. The developer's signed statement accepting responsibility for maintenance until the maintenance responsibility is legally transferred to another party; and/or
  2. Written conditions in the sales or lease agreement that require the recipient to assume responsibility for maintenance; and/or
  3. Written conditions in project conditions, covenants and restrictions for residential properties assigning maintenance responsibilities to a home owner's association, or other appropriate group, for maintenance of structural and treatment control management practices; and/or
  4. Any other legally enforceable agreement that assigns permanent responsibility for maintenance of structural or treatment control management practices.
- v. The Permittee shall perform or require the performance of post-construction inspections, at a minimum of once per year, to confirm that post-construction BMP's are functioning as designed. The Permittee shall include an inspection schedule, to include inspection frequency, within the SWMPP.
  - vi. The Permittee shall maintain or require the developer/owner/operator to keep records of post-construction inspections, maintenance activities and make them available to the Department upon request and require corrective actions to poorly functioning or inadequately maintained post-construction BMP's.
  - vii. The Permittee shall review and evaluate policies and ordinances related to building codes, or other local regulations, with a goal of identifying regulatory and policy impediments to the installation of green infrastructure and low-impact development techniques.
- b. The Permittee shall report each year in the annual report the following information:
    - i. Copies of, or link to, the ordinance or other regulatory mechanism required by Part III.B.4.a.iii;
    - ii. A list of the post-construction structural controls installed and inspected during the permit year;
    - iii. Updated inventory of post-construction structural controls including those owned by the Permittee;
    - iv. Number of inspections performed on post-construction structural controls; and,
    - v. Summary of enforcement actions.

#### **5. Pollution Prevention/Good Housekeeping for Municipal Operations**

- a. The Permittee shall develop, implement, and maintain a program that will prevent or reduce the discharge of pollutants in storm water run-off from municipal operations to the maximum extent practicable. The program elements shall include, at a minimum, the following:

- i. An inventory of all municipal facilities, including municipal facilities that have the potential to discharge pollutants via storm water runoff;
  - ii. Strategies for the implementation of BMPs to reduce litter, floatables and debris from entering the MS4 and evaluate those BMPs annually to determine their effectiveness. If a BMP is determined to be ineffective or infeasible, then the BMP must be modified. The Permittee shall also develop a plan to remove litter, floatable and debris material from the MS4, including proper disposal of waste removed from the system;
  - iii. A Standard Operating Procedures (SOP) detailing good housekeeping practices to be employed at appropriate municipal facilities and during municipal operations that may include, but not limited to, the following:
    - 1. Equipment washing;
    - 2. Street sweeping;
    - 3. Maintenance of municipal roads including public streets, roads, and highways, including but not limited to unpaved roads, owned, operated, or under the responsibility of the Permittee;
    - 4. Storage and disposal of chemicals, Pesticide, Herbicide and Fertilizers (PHFs) and waste materials;
    - 5. Vegetation control, cutting, removal, and disposal of the cuttings;
    - 6. Vehicle fleets/equipment maintenance and repair;
    - 7. External Building maintenance; and
    - 8. Materials storage facilities and storage yards.
  - iv. A program for inspecting municipal facilities for good housekeeping practices, including BMPs. The program shall include checklists and procedures for correcting noted deficiencies;
  - v. A training program for municipal facility staff in good housekeeping practices as outlined in the SOP developed pursuant to Part III.B.5.a.iii; and
- b. The Permittee shall include within the SWMPP the following information:
- i. The inventory of municipal facilities required by Part III.B.5.a.i;
  - ii. Schedule for developing the SOP of good housekeeping practices required by Part III.B.5.a.iii;
  - iii. An inspection plan and schedule, including checklists and any other materials needed to comply with Part III.B.5.a.iv; and
  - iv. A description of the training program and training schedule required by Part III.B.5.a.v.
- c. The Permittee shall report each year in the annual report the following information:
- i. Any updates to the municipal facility inventory;
  - ii. An estimated amount of floatable material collected from the MS4 as required by Part III.B.5.a.ii;
  - iii. Any updates to the inspection plan
  - iv. The number of inspections conducted; and
  - v. Any updates to the SOP of good housekeeping practices.



d. The Permittee shall maintain the following information and make it available upon request:

- i. Records of inspections and corrective actions, if any; and
- ii. Training records including the dates of each training activities and names of personnel in attendance.

## **PART IV Special Conditions**

### **A. Responsibilities of the Permittee**

1. If the Permittee is relying on another entity to satisfy one or more requirements of this permit, then the Permittee must note that fact in the SWMPP. The Permittee remains responsible for compliance with all requirements of this permit, except as provided by Part III.B.3.b and reliance on another entity will not be a defense or justification for non-compliance if the entity fails to implement the permit requirements.
2. If the Permittee is relying on the Department for the enforcement of erosion and sediment controls on qualifying construction sites and has included that information in the SWMPP as required by Part III.A.3.e., the Permittee is not responsible for implementing the requirements of Part III.B.3.b of this permit as long as the Department receives notification of non-compliant qualifying constructions sites from the Permittee as required by Part III.B.3.a.v.

### **B. SWMPP Plan Review and Modification**

1. The Permittee shall submit a SWMPP and/or revised SWMPP to the Department as required by Part II.A of the permit. The Permittee shall implement plans to seek and consider public input in the development, revision and implementation of this SWMPP, as required by Part III.B.1.b.i. Thereafter, the Permittee shall perform an annual review of the current SWMPP and must revise the SWMPP, as necessary, to maintain compliance with the permit. Any revisions to the SWMPP shall be submitted to the Department at the time a revision is made for the Department review. Revisions made to the SWMPP may include, but are not limited to, the replacement of ineffective or infeasible BMPs or the addition of components, controls and requirements; and
2. The Permittee shall implement the SWMPP on all new areas added to their municipal separate storm sewer system (or for which they become responsible for implementation of storm water quality controls) as soon as practicable, but not later than one (1) year from addition of the new areas. Implementation of the program in any new area shall consider the plans of the SWMPP of the previous MS4 ownership, if any.

### **C. Discharge Compliance with Water Quality Standards**

This general permit requires, at a minimum, that the Permittee develop, implement and enforce a storm water management program designed to reduce the discharge of pollutants to the

maximum extent practicable. Full implementation of BMPs, using all known, available, and reasonable methods of prevention, control and treatment to prevent and control storm water pollution from entering waters of the State of Alabama is considered an acceptable effort to reduce pollutants from the municipal storm drain system to be the maximum extent practicable.

#### **D. Impaired Waters and Total Maximum Daily Loads (TMDLs)**

1. The Permittee must determine whether the discharge from any part of the MS4 contributes directly or indirectly to a waterbody that is included on the latest §303(d) list or designated by the Department as impaired;
2. If the Permittee's MS4 discharges to a waterbody included on the latest §303(d) or designated by the Department as impaired, it must demonstrate the discharges, as controlled by the Permittee, do not cause or contribute to the impairment. The SWMPP must detail the BMPs that are being utilized to control discharges of pollutants associated with the impairment. If existing BMPs are not sufficient to achieve this demonstration, the Permittee must, within six (6) months following the publication of the latest final §303(d) list, Department designation, or the effective date of this permit, submit a revised SWMPP detailing new or modified BMPs. The SWMPP must be revised as directed by the Department and the new or modified BMPs must be implemented within one year from the publication of the latest final §303(d) list or Department designation.
3. Permittees discharging from MS4s into waters with EPA-Approved TMDLs and/or EPA-Established TMDLs
  - a. The Permittee must determine whether its MS4 discharges to a waterbody for which a total maximum daily load (TMDL) has been established or approved by EPA. If an MS4 discharges into a water body with an EPA approved or established TMDL, then the SWMPP must include BMPs targeted to meet the assumptions and requirements of the TMDL. If additional BMPs will be necessary to meet the requirements of the TMDL, the SWMPP must include a schedule for installation and/or implementation of such BMPs. A monitoring component to assess the effectiveness of the BMPs in achieving the TMDL requirements must also be included in the SWMPP. Monitoring can entail a number of activities including, but not limited to: outfall monitoring, in-stream monitoring, and/or modeling. Monitoring data, along with an analysis of this data, shall be included in the Annual Report.
  - b. If, during this permit cycle, a TMDL is approved by EPA or a TMDL is established by EPA for any waterbody into which an MS4 discharges, the Permittee must review the applicable TMDL to see if it includes requirements for control of storm water discharges from the MS4.
    1. If it is found that the Permittee must implement specific allocations of the TMDL, it must assess whether the assumptions and requirements of the TMDL are being met through implementation of existing BMPs or if additional BMPs are necessary. The SWMPP must include BMPs targeted to meet the assumptions and requirements of the TMDL. If existing BMPs are not sufficient, the Permittee must, within six (6)

months following the approval or establishment of the TMDL by EPA, submit a revised SWMPP detailing new or modified BMPs to be utilized along with a schedule of installation and/or implementation of such BMPs. Any new or modified BMPs must be implemented within one year, unless an alternate date is approved by the Department, from the establishment or approval of the TMDL by EPA. A monitoring component to assess the effectiveness of the BMPs in achieving the TMDL requirements must also be included in the SWMPP. Monitoring can entail a number of activities including, but not limited to: outfall monitoring, in-stream monitoring, and/or modeling. Monitoring data, along with an analysis of this data, shall be included in the Annual Report.

#### **E. Requiring an Individual Permit**

The Department may require any person authorized by this permit to apply for and/or obtain an individual NPDES permit. When the Department requires application for an individual NPDES permit, the Department will notify the Permittee in writing that a permit application is required. This notification shall include a brief statement of the reasons for this decision, an application form and a statement setting a deadline for the Permittee to file the application.

### **PART V Monitoring and Reporting**

1. If there are no 303(d) listed or TMDL waters located within the Permittee's MS4 area, no monitoring shall be required. The SWMPP shall include a determination stating if monitoring is required.
2. If a waterbody within the MS4 jurisdiction is listed on the latest final §303(d) list, or otherwise designated impaired by the Department, or for which a TMDL is approved or established by EPA, during this permit cycle, then the Permittee must implement a monitoring program, within 6 months, to include monitoring that addresses the impairment or TMDL. A monitoring plan shall be included in the SWMPP and any revisions to the monitoring program shall be documented in the SWMPP and Annual Report.
3. Proposed monitoring locations, and monitoring frequency shall be described in the monitoring plan with actual locations described in the annual report;
4. The Permittee must include in the monitoring program any parameters attributed with the latest final §303(d) list or otherwise designated by the Department as impaired or are included in an EPA-approved or EPA-established TMDL;
5. Analysis and collection of samples shall be done in accordance with the methods specified at 40 CFR Part 136. Where an approved 40 CFR Part 136 does not exist, then a Department approved alternative method may be used;
6. If the Permittee is unable to collect samples due to adverse conditions, the Permittee must submit a description of why samples could not be collected, including available documentation of the event. An adverse climatic condition which may prohibit the collection of samples includes weather conditions that create dangerous conditions for personnel (such as local flooding, high winds, hurricane, tornadoes, electrical storms, etc.)



or otherwise make the collection of a sample impracticable (drought, extended frozen conditions, etc.);

7. Monitoring results must be reported with the subsequent Annual Report and shall include the following monitoring information:
  - a. The date, latitude/longitude of location, and time of sampling;
  - b. The name(s) of the individual(s) who performed the sampling;
  - c. The date(s) analysis were performed;
  - d. The name(s) of individuals who performed the analysis;
  - e. The analytical techniques or methods used; and
  - f. The results of such analysis.

## **PART VI Annual Reporting Requirements**

1. The Permittee shall submit to the Department an annual report (1 hardcopy and 1 electronic copy) no later than May 31st of each year. The annual report shall cover the previous April 1 to March 31. If an entity comes under coverage for the first time after the issuance of this permit, then the first annual report should cover the time coverage begins until March 31<sup>st</sup> of subsequent year.
2. **On or after December 21, 2020, all annual reports shall be submitted to the Department electronically in a prescribed manner acceptable to the Department.**
3. The Permittee shall sign and certify the annual report in accordance with Part VII.G.
4. The annual report shall include the following information, at a minimum, and in addition to those requirements referenced in Part III-V:
  - a. A list of contacts and responsible parties (e.g.: agency, name, phone number, address, & email address) who had input to and are responsible for the preparation of the annual report;
  - b. Overall evaluation of the storm water management program developments and progress for the following:
    - i. Major accomplishments;
    - ii. Overall program strengths/weaknesses;
    - iii. Future direction of the program;
    - iv. Overall determination of the effectiveness of the SWMPP taking into account water quality/watershed improvements;
    - v. Measureable goals that were not performed and reasons why the goals were not accomplished; and
    - vi. If monitoring is required, evaluation of the monitoring data.
  - c. Narrative report of all minimum storm water control measures referenced in Part III.B of this permit. The activities shall be discussed as follows:
    - i. Minimum control measures completed and in progress;
    - ii. Assessment of the controls; and
    - iii. Discussion of proposed BMP revisions or any identified measureable goals that apply to the minimum storm water control measures.

- d. Summary table of the storm water controls that are planned/scheduled for the next reporting cycle;
- e. Results of information collected and analyzed, if any, during the reporting period, including any monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP.
- f. Notice of reliance on another entity to satisfy some of your permit obligations; and
- g. If monitoring is required, all monitoring results collected during the previous year in accordance with Part V, if applicable. The monitoring results shall be submitted in a format acceptable to the Department.

## **PART VII Standard and General Permit Conditions**

### **A. Duty to Comply**

You must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of CWA and is ground for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application.

### **B. Continuation of the Expired General Permit**

If this permit is not reissued or replaced prior to the expiration date, it will be administratively continued in accordance with the ADEM Code r. 335-6-6 and remain in force and effect if the Permittee re-applies for coverage as required under Part II of this Permit. Any Permittee who was granted permit coverage prior to the expiration date will automatically remain covered by the continued permit until the earlier of:

1. Reissuance or replacement of this permit, at which time you must comply with the Notice of Intent conditions of the new permit to maintain authorization to discharge; or
2. Issuance of an individual permit for your discharges; or
3. A formal permit decision by the Department not to reissue this general permit, at which time you must seek coverage under an alternative general permit or an individual permit.

### **C. Need to Halt or Reduce Activity Not a Defense**

It shall not be a defense for you in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

### **D. Duty to Mitigate**

You must take all reasonable steps to minimize or prevent any discharge in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment.

### **E. Duty to Provide Information**

The Permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, suspending, or terminating the permit or to determine compliance with the permit. The Permittee shall also furnish to the Director upon request, copies of records required to be kept by the permit.

## **F. Other Information**

If you become aware that you have failed to submit any relevant facts in your Notice of Intent or submitted incorrect information in the Notice of Intent or in any other report to the Department, you must promptly submit such facts or information.

## **G. Signatory Requirements**

All Notices of Intent, reports, certifications, or information submitted to the Department, or that this permit requires be maintained by you shall be signed and certified as follows:

1. Notice of Intent. All Notices of Intent shall be signed by a responsible official as set forth in ADEM Admin. Code r. 335-6-6-.09.
2. Reports and other information. All reports required by the permit and other information requested by the Department or authorized representative of the Department shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
  - a. Signed authorization. The authorization is made in writing by a person described above and submitted to the Department.
  - b. Authorization with specified responsibility. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of manager, operator, superintendent, or position of equivalent responsibility for environmental matters for the regulated entity.
3. Changes to authorization. If an authorization is no longer accurate because a different operator has the responsibility for the overall operation of the MS4, a new authorization satisfying the requirement of Part VII.G.2.b. above must be submitted to the Department prior to or together with any reports or information, and to be signed by an authorized representative.
4. Certification. Any person signing documents under Part VII.G.1-2. above shall make the following 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 gathered and evaluated 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 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."*

## **H. Property Rights**

The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege, nor it does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

## **I. Proper Operation and Maintenance**

You must at all time properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by you to achieve compliance with the conditions of this permit and with the conditions of your SWMPP. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance requires the operation of backup or auxiliary



facilities or similar systems, installed by you only when the operation is necessary to achieve compliance with the conditions of the permit.

**J. Inspection and Entry**

1. You must allow the Department or an authorized representative upon the presentation of credentials and other documents as may be required by law, to do any of the following:
  - a. Enter your premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;
  - b. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit;
  - c. Inspect at reasonable times any facilities or equipment (including monitoring and control equipment) practices, or operations regulated or required under this permit; and
  - d. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the CWA, any substances or parameters at any location.

**K. Permit Actions**

This permit may be modified, revoked and reissued, or terminated for cause. Your filing of a request for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

**L. Permit Transfers**

This permit is not transferable to any person except after notice to the Department. The Department may require modification or revocation and reissuance of the permit to change the name of the Permittee and incorporate such other requirements as may be necessary under the Act.

**M. Anticipated Noncompliance**

You must give advance notice to the Department of any planned changes in the permitted small MS4 or activity which may result in noncompliance with this permit.

**N. Compliance with Statutes and Rules**

1. The permit is issued under ADEM Admin. Code r. 335-6-6. All provisions of this chapter that are applicable to this permit are hereby made a part of this permit.
2. This permit does not authorize the noncompliance with or violation of any laws of the State of Alabama or the United States of America or any regulations or rules implementing such laws.

**O. Severability**

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall be affected thereby.

**P. Bypass Prohibition**

Bypass (see 40 CFR 122.41(m)) is prohibited and enforcement action may be taken against a regulated entity for a bypass; unless:

1. The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

2. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during the normal periods of equipment downtime. This condition is not satisfied if the regulated entity should, in the exercise of reasonable engineering judgment, have installed adequate backup equipment to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance.
3. The Permittee submits a written request for authorization to bypass to the Director at least ten (10) days prior to the anticipated bypass (if possible), the Permittee is granted such authorization, and the Permittee complies with any conditions imposed by the Director to minimize any adverse impact on human health or the environment resulting from the bypass.

The Permittee has the burden of establishing that each of the conditions of Part VII.P. have been met to qualify for an exception to the general prohibition against bypassing and an exemption, where applicable, from the discharge specified in this permit.

#### **Q. Upset Conditions**

An upset (see 40 CFR 122.41(n)) constitutes an affirmative defense to an action brought for noncompliance with technology-based permit limitations if a regulated entity shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence, that:

1. An upset occurred and the Permittee can identify the specific cause(s) of the upset;
2. The Permittee's facility was being properly operated at the time of the upset; and
3. The Permittee promptly took all reasonable steps to minimize any adverse impact on human health or the environment resulting from the upset.

The Permittee has the burden of establishing that each of the conditions of Part VII.Q. of this permit have been met to qualify for an exemption from the discharge specified in this permit.

#### **R. Procedures for Modification or Revocation**

Permit modification or revocation will be conducted according to ADEM Admin. Code r. 335-6-6-.17.

#### **S. Re-opener Clause**

If there is evidence indicating potential or realized impacts on water quality due to storm water discharge covered by this permit, the regulated entity may be required to obtain an individual permit or an alternative general permit or the permit may be modified to include different limitations and/or requirements.

#### **T. Retention of Records**

1. The Permittee shall retain the storm water quality management program developed in accordance with Part III-V of this permit until at least five years after coverage under this permit terminates.
2. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
3. The Permittee shall retain records of all monitoring information including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of reports required by this permit, and records of all data used to

complete the application of this permit, for a period of at least three (3) years from the date of the sample, measurement, report or application. This period may be extended at the request of the Director at any time.

#### **U. Monitoring Methods**

Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.

#### **V. Additional Monitoring by the Permittee**

If the Permittee monitors more frequently than required by this permit, using test procedures approved under 40 CFR Part 136 or as specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the monitoring report. Such increased monitoring frequency shall also be indicated on the monitoring report.

#### **W. Definitions**

1. Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. BMPs also include treatment requirements, operating procedures, and practices to control runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.
2. Control Measure as used in this permit, refers to any Best Management Practice or other method used to prevent or reduce the discharge of pollutants to waters of the State.
3. CWA or The Act means the Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub.L. 92-500, as amended Pub. L. 95-217, Pub. L. 95-576, Pub. L. 96-483 and Pub. L. 97-117, 33 U.S.C. 1251 et.seq.
4. Department means the Alabama Department of Environmental Management or an authorized representative.
5. Discharge, when used without a qualifier, refers to "discharge of a pollutant" as defined as ADEM Admin. Code r. 335-6-6-.02(m).
6. Green Infrastructure refers to systems and practices that use or mimic natural processes to infiltrate, evapotranspire (the return of water to the atmosphere either through evaporation or by plants), or reuse storm water or runoff on the site where it is generated.
7. Illicit Connection means any man-made conveyance connecting an illicit discharge directly to municipal separate storm sewer.
8. Illicit Discharge is defined at 40 CFR Part 122.26(b)(2) and refers to any discharge to a municipal separate storm sewer that is not entirely composed of storm water, except discharges authorized under an NPDES permit (other than the NPDES permit for discharges from the MS4) and discharges resulting from fire fighting activities.
9. Indian Country, as defined in 18 USC 1151, means (a) all land within the limits of any Indian reservation under the jurisdiction of the United States Government, notwithstanding the issuance of any patent, and including rights-of-way running through the reservation; (b) all dependent Indian communities within the borders of the United States whether within the original or subsequently acquired territory thereof, and whether within or without the limits of a State, and (c) all Indian allotments, the Indian titles to which have



not been extinguished, including rights-of-way running through the same. This definition includes all land held in trust for an Indian tribe.

10. Infiltration means water other than wastewater that enters a sewer system, including foundation drains, from the ground through such means as defective pipes, pipe joints, connections, or manholes. Infiltration does not include, and is distinguished from, inflow.
11. Landfill means an area of land or an excavation in which wastes are placed for permanent disposal, and which is not a land application unit, surface impoundment, injection well, or waste pile.
12. Large municipal separate storm sewer system means all municipal separate storm sewers that are either: (i) located in an incorporated place (city) with a population of 250,000 or more as determined by the latest decennial census.
13. Low Impact Development (LID) is an approach to land development (or re-development) that works with nature to manage storm water as close to its source as possible. LID employs principles such as preserving and recreating natural landscape features, minimizing effective imperviousness to create functional and appealing site drainage that treat storm water as a resource rather than a waste product.
14. Medium municipal separate storm sewer system means all municipal separate storm sewers that are either: (i) located in an incorporated place (city) with a population of 100,000 or more but less than 250,000 as determined by the latest decennial census.
15. MEP is an acronym for "Maximum Extent Practicable," the technology-based discharge standard for municipal separate storm sewer systems to reduce pollutants in storm water discharges that was established by CWA Section 402(p). A discussion of MEP as it applies to small MS4s is found at 40 CFR Part 122.34.
16. MS4 is an acronym for "Municipal Separate Storm Sewer System" and is used to refer to either a large, medium, or small municipal separate storm sewer system. The term is used to refer to either the system operated by a single entity or a group of systems within an area that are operated by multiple entities.
17. Municipal Separate Storm System is defined at 40 CFR Part 122.26(b)(8) and means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains): (i) Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under State law such as a sewer district, flood-control district or drainage district, or similar entity, or a designated and approved management agency under section 208 of the CWA that discharges to waters of the United States; (ii) Designed or used for collecting or conveying storm water; (iii) Which is not a combined sewer; and (iv) Which is not part of a Publicly Owned Treatment Works (POTW) as defined in ADEM Admin. Code r. 335-6-6-.02(nn).
18. NOI is an acronym for "Notice of Intent" to be covered by this permit and is the mechanism used to "register" for coverage under a general permit.
19. Permittee means each individual co-applicant for an NPDES permit who is only responsible for permit conditions relating to the discharge that they own or operate.
20. Point Source means any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling

stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural storm water runoff.

21. Priority construction site means any qualifying construction site in an area where the MS4 discharges to a waterbody which is listed on the most recently approved 303(d) list of impaired waters for turbidity, siltation, or sedimentation, any waterbody for which a TMDL has been finalized or approved by EPA for turbidity, siltation, or sedimentation, and any waterbody assigned specific water quality criteria, such as Outstanding Alabama Water use classification, in accordance with ADEM Admin. Code r. 335-6-10-.09 and any waterbody assigned a special designation in accordance with ADEM Admin. Code r. 335-6-10-.10.
22. Qualifying Construction Site means any construction activity that results in a total land disturbance of one or more acres and activities that disturb less than one acre but are part of a larger common plan of development or sale that would disturb one or more acres. Qualifying construction sites do not include land disturbance conducted by entities under the jurisdiction and supervision of the Alabama Public Service Commission.
23. Qualifying New Development and Redevelopment means any site that results from the disturbance of one acre or more of land or the disturbance of less than one acre of land if part of a larger common plan of development or sale that is greater than one acre. Qualifying new development and redevelopment does not include land disturbances conducted by entities under the jurisdiction and supervision of the Alabama Public Service Commission.
24. Small municipal separate storm sewer system is defined at 40 CFR Part 122.26(b)(16) and refers to all separate storm sewers that are owned or operated by the United States, a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, storm water or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to water of the United States, but is not defined as "large" or "medium" municipal separate storm sewer system. This term includes systems similar to separate storm sewer systems in municipalities, such as systems at military bases, large hospital or prison complexes, and highways and other thoroughfares. The term does not include separate storm sewers in very discrete areas, such as individual buildings.
25. Storm water is defined at 40 CFR Part 122.26(b) (13) and means storm water runoff, snow melt runoff, and surface runoff and drainage.
26. Storm Water Management Program (SWMP) refers to a comprehensive program to manage the quality of storm water discharged from the municipal separate storm sewer system.
27. SWMP is an acronym for "Storm Water Management Program."
28. Total Maximum Daily Load (TMDL) means the calculated maximum permissible pollutant loading to a waterbody at which water quality standards can be maintained. The sum of wasteload allocations (WLAs) and load allocations (LAs) for any given pollutant.

29. You and Your as used in this permit is intended to refer to the Permittee, the operator, or the discharger as the context indicates and that party's responsibilities (e.g., the city, the country, the flood control district, the U.S. Air Force, etc.).



**2017 Environmental Programming in Calhoun County**  
**1/1/17 - 12/13/17**

Wonderful World of Plants

1/10/17 Camp Lewis Academy (18 students)  
4/11/17 Camp Lewis Academy (20 students)  
7/18/17 Camp Lewis Academy (15 students)  
10/3/17 Camp Lewis Academy (18 students)



Passing the Globe – How Much Water is on Earth?

12/12/17 Camp Lewis Academy (19 students)

Daily Water Use Record Sheet

12/12/17 Camp Lewis Academy (19 students)

Watershed Enviroscape – NonPoint Source & Point Source Pollution

12/12/17 Camp Lewis Academy (19 students)

Care & Maintenance of Landscape Plants

2/7/17 Camp Lewis Academy (20 students)  
5/23/17 Camp Lewis Academy (21 students)  
7/18/17 Camp Lewis Academy (22 students)  
8/15/17 Camp Lewis Academy (20 students)



Home Gardening/Beekeeping/Worm Composting

3/07/17 Camp Lewis Academy (34 students)  
6/27/17 Camp Lewis Academy (33 students)  
9/19/17 Camp Lewis Academy (26 students)  
12/5/17 Camp Lewis Academy (28 students)

Plant Propagation

1/17/17 Camp Lewis Academy (21 students)  
4/18/17 Camp Lewis Academy (20 students)  
7/25/17 Camp Lewis Academy (21 students)  
10/10/17 Camp Lewis Academy (20 students)

Planting, Transplanting & Re-potting

5/24/17 Lunch & Learn Session (45 attendees)

What's Wrong with my Plant?

7/26/17 Lunch & Learn Session (50 attendees)





Inviting the Good Insects Into Your Garden

8/23/17 Lunch & Learn Session (40 attendees)

Wild Wings & Georgia Alabama Land Trust

1/11/17 Calhoun County Master Gardener Meeting  
(44 attendees)

Gardening Tips & Hints

5/10/17 Calhoun County Master Gardener Meeting  
(40 attendees)

Newcomers to the 4-H Legacy Wildlife Room

6/14/17 Calhoun County Master Gardener Meeting  
(35 attendees)

Helping the Pollinator

8/9/17 Calhoun County Master Gardener Meeting  
(38 attendees)





Recycling in Calhoun County

10/3/17 Jacksonville Women's Club (25 attendees)

Greenhouse Maintenance & Propagation

1/4/17 Camp Lewis Academy (25 students)  
1/11/17 Camp Lewis Academy (23 students)  
1/18/17 Camp Lewis Academy (25 students)  
1/25/17 Camp Lewis Academy (22 students)  
2/1/17 Camp Lewis Academy (25 students)  
2/8/17 Camp Lewis Academy (21 students)  
2/15/17 Camp Lewis Academy (20 students)  
2/22/17 Camp Lewis Academy (23 students)  
3/1/17 Camp Lewis Academy (25 students)  
3/8/17 Camp Lewis Academy (18 students)  
3/15/17 Camp Lewis Academy (25 students)  
2/23/17 Camp Lewis Academy (25 students)  
2/29/17 Camp Lewis Academy (17 students)  
4/5/17 Camp Lewis Academy (25 students)  
4/12/17 Camp Lewis Academy (25 students)  
4/19/17 Camp Lewis Academy (25 students)  
4/26/17 Camp Lewis Academy (23 students)  
5/3/17 Camp Lewis Academy (25 students)  
5/10/17 Camp Lewis Academy (25 students)  
5/17/17 Camp Lewis Academy (22 students)  
5/24/17 Camp Lewis Academy (25 students)  
5/31/17 Camp Lewis Academy (25 students)  
6/7/17 Camp Lewis Academy (30 students)  
6/14/17 Camp Lewis Academy (25 students)  
6/21/17 Camp Lewis Academy (24 students)  
6/28/17 Camp Lewis Academy (25 students)  
7/5/17 Camp Lewis Academy (25 students)  
7/12/17 Camp Lewis Academy (25 students)  
7/19/17 Camp Lewis Academy (33 students)  
7/26/17 Camp Lewis Academy (25 students)  
8/2/17 Camp Lewis Academy (25 students)  
8/9/17 Camp Lewis Academy (25 students)  
8/16/17 Camp Lewis Academy (23 students)  
8/23/17 Camp Lewis Academy (25 students)  
8/30/17 Camp Lewis Academy (25 students)  
9/6/17 Camp Lewis Academy (25 students)  
9/13/17 Camp Lewis Academy (25 students)  
9/20/17 Camp Lewis Academy (25 students)  
9/27/17 Camp Lewis Academy (25 students)





10/4/17 Camp Lewis Academy (25 students)  
10/11/17 Camp Lewis Academy (25 students)  
10/18/17 Camp Lewis Academy (25 students)  
10/25/17 Camp Lewis Academy (25 students)  
11/1/17 Camp Lewis Academy (25 students)  
11/8/17 Camp Lewis Academy (25 students)  
11/15/17 Camp Lewis Academy (25 students)  
11/29/17 Camp Lewis Academy (25 students)  
12/6/17 Camp Lewis Academy (25 students)  
12/13/17 Camp Lewis Academy (25 students)



4-H Field Trip / Hydroelectricity

3/7/17 Camp Lewis Academy (23 students)  
6/13/17 Camp Lewis Academy (21 students)



Green Roofs

1/16/17 Anniston City Council Presentation  
(17 attendees)

Garden Club Presentation/Sustainability/Climate

1/18/17 North AL Rare Plant Society Meeting  
(100 attendees)  
5/9/17 North AL Rare Plant Society Annual Mtg  
(100 attendees)

Grow & Tell: A Celebration of Houseplants

2/5/17 @ Longleaf Botanical Garden (18 attendees)

Pruning Techniques, Outcomes & Designs

2/11/17 @ Longleaf Botanical Garden (14 attendees)

All About Camellias

2/16/17 @ Longleaf Botanical Garden (16 guests)

Natural Resource Conservation & Management

2/21/17 Variosa Club Program (9 attendees)

Batty About Bats

4/8/17 @ Longleaf Botanical Garden (20 students)

Sustainable Gardening

5/18/17 @ Longleaf Botanical Garden (25 students)





Wildlife in the Garden – it’s not just for the birds!

6/15/17 @ Longleaf Botanical Gardens (25 attendees)

Gardening for the Birds

7/20/17 @ Longleaf Botanical Gardens (25 attendees)

Greenhouse Tour/Re-Potting Plants

5/10/17 4-H Homeschool Club (11 students)

Gardening for Wildlife

6/15/17 @ Longleaf Botanical Garden (23 attendees)

Forestry

8/4/17 @ Longleaf Botanical Garden (8 attendees)

“Creepy Critters”

10/19/17 @ Longleaf Botanical Garden (24 attendees)

10/25/17 4-H Tree Amigos Club (12 students)

Winter Landscapes

1/19/17 @ Longleaf Botanical Garden (12 attendees)

Longleaf Botanical Garden Natural Trail Exploration

4/20/17 Community leaders, teachers & volunteers  
(21 participants)

“Living off the Grid” @ Longleaf Botanical Garden

5/18/17 Community leaders, teachers & volunteers  
(25 attendees)

What’s in a Beehive?

5/24/17 @ Longleaf Botanical Garden (20 students)

Backyard Birding @ Longleaf Botanical Garden

7/20/17 Community leaders, teachers & volunteers  
(33 attendees)

Water Bottle Dilemma

5/17/17 4-H Tree Amigos Club (15 students)

Composting – Master the Mix!

9/21/17 @ Longleaf Botanical Garden (25 attendees)





Native Pollinators

8/16/17 4-H Tree Amigos Club (20 students)

A Vacant Lot

9/13/17 4-H Tree Amigos Club (20 students)

Mastering the Mix (Composting)

9/21/17 Longleaf Botanical Garden (24 attendees)

Home Gardens & Pests/Natural Resource Conservation & Sustainability

Jan-April Master Gardener Volunteer Training Class (25 attendees). *\*Class met weekly through 4/26/17.*

Sustainable Crops

2/28/17 Fruit & Vegetable Production Meeting (14 attendees)

Inviting Good Insects to the Garden

8/9/17 Master Gardener Training (41 attendees)

Building Bridges Part 1

10/6/17 Weaver Elementary School, 6<sup>th</sup> grade (92 students)  
10/4/17 10<sup>th</sup> Street Elementary, 5<sup>th</sup> grade (65 students)  
10/25/17 Wellborn Elementary 5<sup>th</sup> grade (90 students)  
11/7/17 Camp Lewis Academy (18 students)

Building Bridges, Part 2

1/4/17 4-H Home School Club (5 students)  
1/11/17 10<sup>th</sup> Street Elementary, 5<sup>th</sup> grade (55 students)  
1/13/17 Weaver Elementary, 6<sup>th</sup> grade (102 students)  
1/24/17 Camp Lewis (21 students)  
1/25/17 Wellborn Elementary, 5<sup>th</sup> grade (95 students)  
11/3/17 Weaver Elementary, 6<sup>th</sup> grade (92 students)  
11/08/17 10<sup>th</sup> Street Elementary, 5<sup>th</sup> grade (65 students)  
11/27/17 Wellborn Elementary, 5<sup>th</sup> grade (90 students)  
11/7/17 Camp Lewis Academy (18 students)

Ecology & The Food Chain

1/18/17 Wellborn Elementary, 6<sup>th</sup> grade (75 students)





Rolling Down the River, Part 1

- 1/24/17 Camp Lewis Academy (21 students)
- 2/1/17 4-H Home School Club (7 students)
- 2/8/17 10<sup>th</sup> St. Elementary, 5<sup>th</sup> grade (55 students)
- 2/10/17 Weaver Elementary, 6<sup>th</sup> grade (102 students)
- 2/22/17 Wellborn Elementary, 5<sup>th</sup> grade (75 students)



Rolling Down the River, Part 2

- 1/24/17 Camp Lewis Academy (21 students)
- 3/7/17 10<sup>th</sup> Street 5<sup>th</sup> grade (55 students)
- 3/10/17 Weaver 6<sup>th</sup> grade (102 students)
- 4/27/17 Wellborn 5<sup>th</sup> grade (75 students)



Trees-Exploring the Use of Trees

- 3/1/17 4-H Home school club (7 students)
- 3/22/17 Wellborn Elementary, 6<sup>th</sup> grade (102 students)

4-H RiverKids Training

- 7/25-26/17 1 Staff Member

4-H RiverKids\*

- 4/25/17 4-H Tree Amigos Club (15 students)
  - 6/20/17 Wiggins Community Center 4-H Club (16 students)
- (\*4-H RiverKids is a youth kayaking program that is aimed at helping youth develop safe paddling skills, while exploring the abundant water resources in our state.)*

Junior Master Gardener Training Class

- 5/12/17 Calhoun County MG Volunteers & ACES staff (18 adults)

Keep it Clean, Lesson 1

- 6/19/17 Boys and Girls Club Glen Addie (24 students)
- 6/28/17 Boys and Girls Club Norwood (39 students)
- 6/27/17 Camp Lewis Academy (19 students)

Keep it Clean, Lesson 2

- 6/19/17 Boys and Girls Club Glen Addie (24 students)
- 6/28/17 Boys and Girls Club Norwood (39 students)
- 6/27/17 Camp Lewis Academy (19 students)



Skins and Skulls

- 7/17/17 Boys and Girls Club Glen Addie (24 students)
- 7/5/17 Boys and Girls Club Norwood (39 students)



Scats and Tracks

- 11/2/17 4-H Homeschool Club (25 students)
- 11/14/17 Trinity Christian Academy (10 students)

Egg Plants and Gardening

- 8/3/17 4-H Homeschool Club (30 students)

Road Rocket-Learning about Fluid Energy

- 11/28/17 Wellborn Elementary, 6<sup>th</sup> grade (95 students)

Gardening-Division and Propagation

- 12/7/17 4-H Homeschool Club (25 students)

Preparing for Winterization

- 12/14/17 4-H Homeschool Club (10 students)

Alabama Water Watch Water Chemistry Monitoring Workshop

- 3/11/17 Community leaders & volunteers  
(12 participants)

Alabama Water Watch Bacteriological Monitoring

- 4/1/17 Community leaders & volunteers  
(7 participants)

Unusual Gardening Containers/Rainwater

- 10/11/17 Master Gardener Volunteers  
(28 attendees)

Choccolocco Watershed Clean Up

- 9/23/17 Community leaders, teachers & volunteers  
(50 attendees)

4-H Environmental Clubs

- 9/19-23/17 Calhoun County Ag Fair Booth Display (150 attendees)

Coosa River Basin Conference

- 10/12/17 Community leaders, teachers & volunteers  
(40 attendees)

Electronics Recycling Drive

- 12/14/17 7,840 lbs of e-waste collected





The Water Cycle - How Much Water is on Earth?

- 10/17 Wellborn Elementary School, 4<sup>th</sup> Grade (110 students)
- 10/17 Alexandria Elementary School, 4<sup>th</sup> Grade (135 students)
- 10/17 Ohatchee Elementary School, 4<sup>th</sup> Grade (75 students)
- 10/17 Pleasant Valley Elementary School, 4<sup>th</sup> Grade (80 students)
- 10/17 10<sup>th</sup> Street Elementary School, 4<sup>th</sup> Grade (60 students)
- 10/17 Golden Springs Elementary School, 4<sup>th</sup> & 5<sup>th</sup> Grades (85 students)
- 10/17 Dearmanville Elementary School, 4<sup>th</sup> Grade (100 students)



Watersheds – Nonpoint & Point Source Pollution

- 11/17 Wellborn Elementary School, 4<sup>th</sup> Grade (110 students)
- 10/17 Alexandria Elementary School, 4<sup>th</sup> Grade (135 students)
- 10/17 Ohatchee Elementary School, 4<sup>th</sup> Grade (75 students)
- 10/17 Pleasant Valley Elementary School, 4<sup>th</sup> Grade (80 students)
- 10/17 10<sup>th</sup> Street Elementary School, 4<sup>th</sup> Grade (60 students)
- 10/17 Golden Springs Elementary School, 4<sup>th</sup> & 5<sup>th</sup> Grades (85 students)
- 10/17 Dearmanville Elementary School, 4<sup>th</sup> Grade (100 students)

Alabama WaterWatch Training

5/2-4/17 1 Staff Member attending

4-H Foundations Training

7/25-26/17 1 Staff Member attending

Calhoun County Stormwater Cooperative

5/17-12/17 1 Staff Member

4H Summer Camp: Canoeing

6/12-14/17 Calhoun County 4-H'ers  
(19 students, 2 volunteers)

4-H Summer Camp: Alabama the Great! – Meet our Native Reptiles & Birds of Prey

6/12-14/17 Calhoun County 4-H'ers (19 students, 2 volunteers)

4-H Summer Camp: Paddle Boarding

6/12-14/17 Calhoun County 4-H'ers  
(19 students, 2 volunteers)

4-H Summer Camp: Nature Arts & Crafts

6/12-14/17 Calhoun County 4-H'ers (19 students, 2 volunteers)





4-H Summer Camp: Clover Hop – Ropes Course

6/12-14/17 Calhoun County 4-H'ers (19 students, 2 volunteers)

4-H Summer Camp: Fishing

6/12-14/17 Calhoun County 4-H'ers  
(19 students, 2 volunteers)

4-H Summer Camp: Wild West Survival Training

6/12-14/17 Calhoun County 4-H'ers  
(19 students, 2 volunteers)

4-H Summer Camp: Rocketry

6/12-14/17 Calhoun County 4-H'ers  
(19 students, 2 volunteers)

4-H Summer Camp: Robotics

6/12-14/17 Calhoun County 4-H'ers (19 students, 2 volunteers)

4-H Summer Camp: Campfire!

6/12-14/17 Calhoun County 4-H'ers (19 students, 2 volunteers)

If I Could Talk With the Animals

1/10/17 Alexandria High School, 6<sup>th</sup> Grade (160 Students)

1/12/17 Kitty Stone Elementary, 4<sup>th</sup> Grade (152 Students)

1/13/17 Kitty Stone Elementary, 6<sup>th</sup> Grade (120 Students)

1/18/17 White Plains Middle School, 5<sup>th</sup> Grade  
(108 Students)

1/20/17 Kitty Stone Elementary, 5<sup>th</sup> Grade (127 Students)

1/23/17 Piedmont Middle School, 6<sup>th</sup> Grade (120 Students)

1/26/17 Kitty Stone Elementary, 4<sup>th</sup> Grade (125 Students)

1/27/17 Ohatchee Elementary, 5<sup>th</sup> Grade (110 Students)

Wonderful World of Animals

2/3/17 Ohatchee Elementary School, 6<sup>th</sup> Grade  
(75 Students)





- 9/14/17 White Plains Middle School, 5<sup>th</sup> Grade,  
(100 Students)
- 9/16/17 Fall Festival (800 attendees)
- 9/18/17 Kitty Stone Elementary, 4<sup>th</sup> Grade (132 Students)
- 9/19/17 Ohatchee Elementary, 5<sup>th</sup> Grade (108 Students)
- 9/20/17 Kitty Stone Elementary, 5<sup>th</sup> Grade (145 Students)
- 9/21/17 Ohatchee Elementary, 6<sup>th</sup> Grade (85 Students)
- 9/26/17 Pleasant Valley Elementary, 5<sup>th</sup> Grade  
(80 Students)
- 9/27/17 Alexandria High School, 6<sup>th</sup> Grade (145 Students)
- 9/28/17 Piedmont Middle School, 5<sup>th</sup> Grade (88 Students)



Skins and Skulls Part II

- 10/4/17 White Plains Middle School, 6<sup>th</sup> Grade (95 Students)
- 10/05/17 Kitty Stone Elementary, 6<sup>th</sup> Grade (125 Students)
- 10/11/17 Kitty Stone Elementary, 4<sup>th</sup> Grade (132 Students)
- 10/12/17 Ohatchee Elementary, 5<sup>th</sup> Grade (108 Students)
- 10/20/17 Classroom in the Forest, DeArmanville Elementary, 2<sup>nd</sup> Grade (232 Students)
- 10/23/17 Alexandria High School, 6<sup>th</sup> Grade (145 Students)
- 10/24/17 Pleasant Valley Elementary, 5<sup>th</sup> Grade (80 Students)
- 10/25/17 Kitty Stone Elementary, 5<sup>th</sup> Grade (145 Students)
- 10/26/17 White Plains Middle School, 5<sup>th</sup> Grade (100 Students)

Native Wonders

- 11/2/17 Kitty Stone Elementary School, 6<sup>th</sup> Grade  
(125 Students)
- 11/6/17 Alexandria High School (145 Students)
- 11/8/17 White Plains Middle School, 5<sup>th</sup> Grade  
(100 Students)
- 11/14/17 Ohatchee Elementary School, 5<sup>th</sup> Grade  
(108 Students)
- 11/15/17 Kitty Stone Elementary, 4<sup>th</sup> Grade (132 Students)
- 11/16/17 Ohatchee Elementary School, 6<sup>th</sup> Grade  
(85 Students)
- 11/17/17 White Plains Middle School, 6<sup>th</sup> Grade (95 Students)
- 11/27/17 Piedmont Middle School, 6<sup>th</sup> Grade (88 Students)
- 11/28/17 Pleasant Valley Elementary, 5<sup>th</sup> Grade (80 Students)
- 11/29/17 Kitty Stone Elementary, 5<sup>th</sup> Grade (145 Students)
- 11/30/17 White Plains Middle School, 5<sup>th</sup> Grade (100 Students)
- 12/5/17 Alexandria High School (145 Students)



# Crew Safety Meeting

1-12-17

Eric Feemster Safety Committee Chairman

The following items were discussed at today's meeting:

MS4 video, Winter Weather cautions (clothes, driving working hazards)

1. Jeff Badgett

2. Terri

3. Henry Whitman

4. Wayne Sexton

5. Jonathan Robert

6. Ronni Brown

7. Paul Litch

8. Lobby Ward

9. Ken-Photo

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

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18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_



# Crew Safety Meeting

1-12-17

Eric Feemster Safety Committee Chairman

The following items were discussed at today's meeting:

MS4 video, Winter Weather cautions (clothes, driving working hazards)

1. Jonathan Austin

2. Kevin Jones

3. Geoff Murphy

4. Phil, McHally

5. Andrew Foster

6. Jeff Wolfe

7. Jake Kiser

8. Chase Stephens

9. Just Beekman

10. Michael Lucas

11. Kenny Whinn

12. Donald Lambford

13.

14.

15.

16.

17.

18.

19.

20.

# Crew Safety Meeting

1-12-17

Eric Feemster Safety Committee Chairman

The following items were discussed at today's meeting:

MS4 video, Winter Weather cautions (clothes, driving working hazards)

1. Charles Howard

2. Bill Hill #244

3. Gunn #223

4. Keith Weller 127

5. Derrick Knie

6. Julie

7. Scott Barry

8. Cop Jeff

9. \_\_\_\_\_

10. Benny Roberts

11. Pete Smith

12. Warren Thomas

13. W Lamar Murray

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

# Crew Safety Meeting

1-12-17

Eric Feemster Safety Committee Chairman

The following items were discussed at today's meeting:

MS4 video, Winter Weather cautions (clothes, driving, working hazards)

1. Terry Sto

2. James Bryan

3. Johnnie Dan

4. Ch. [unclear]

5. C. Myers

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. [unclear] D. [unclear]



# AGENDA

## CITIZENS ADVISORY COMMITTEE

of the

CALHOUN AREA METROPOLITAN PLANNING ORGANIZATION (MPO)

East Alabama Regional Planning and Development Commission 3<sup>rd</sup> Floor Conference Room

10:00 am

**January 25, 2017**

1. Call to Order

2. Introductions

3. Old Business

- a. Review of CAC minutes from November 16, 2016
- b. Approval of CAC minutes from November 16, 2016
- c. CAC Appointments and Welcome of New Members
- d. TBA

4. New Business

- a. Open **Public Meeting** to Accept TIP Amendment Comments (Handouts)
- b. Review FY 16-19 TIP Update (Handout)
- c. AL 21 Speed Study and Recommended Changes
- d. Rail Activity and Service (Handout)
- e. Article – Adapting Communities for an Aging Population (Handout)
- f. TBA

5. Other Business

- a. Other Current Transportation Projects
- b. Anniston Express and ADA Para-Transit Ridership
- c. Next CAC Meeting
- d. TBA

6. Solicit TIP Amendment Comments and Close **Public Meeting**

7. Adjourn

NEXT MEETING - MARCH 22, 2017

# AGENDA

## CITIZENS ADVISORY COMMITTEE

of the

CALHOUN AREA METROPOLITAN PLANNING ORGANIZATION (MPO)

East Alabama Regional Planning and Development Commission 3<sup>rd</sup> Floor Conference Room

10:00 am

**March 15, 2017**

1. Call to Order
2. Introductions
3. Old Business
  - a. Review of CAC minutes from January 25, 2017
  - b. Approval of CAC minutes from January 25, 2017
  - c. CAC Appointments and Welcome of New Members
  - d. TBA
4. New Business
  - a. Review FY 16-19 TIP Update (Handout)
  - b. AL 21 Speed Study and Recommended Changes
  - c. Crash and Fatality Data for Calhoun County
  - d. ASCE Key Facts About Alabama Infrastructure
  - e. Article – Adapting Communities for Aging (Handout)
  - f. TBA
5. Other Business
  - a. Other Current Transportation Projects
  - b. Anniston Express and ADA Para-Transit Ridership
  - c. Next CAC Meeting
  - d. TBA
6. Adjourn

Calhoun County Stormwater Cooperative

5/17/17 Meeting 10:00 AM

Agenda

- Introductions
- Purpose and Participants (Lance)
- Stormwater Conference Update (Lance)
- Annual Reporting
- Open Floor
- Next Meeting





## Michael Hosch

---

**From:** Stegmaier, Tracy A. <stegmaiert@dot.state.al.us>  
**Sent:** Tuesday, April 25, 2017 2:52 PM  
**To:** Michael Hosch  
**Subject:** RE: 2017 ALDOT QCI Classroom Sessions - Registration

Ok. Got it.

Tracy A. Stegmaier, P.E.  
ALDOT Environmental Construction Engineer  
334-242-6244 office  
[stegmaiert@dot.state.al.us](mailto:stegmaiert@dot.state.al.us)

**From:** Michael Hosch [mailto:mhosch@calhouncounty.org]  
**Sent:** Tuesday, April 25, 2017 2:49 PM  
**To:** Stegmaier, Tracy A. <stegmaiert@dot.state.al.us>  
**Subject:** RE: 2017 ALDOT QCI Classroom Sessions - Registration

I will actually be as listed below, change the 3 to 2 but still have 5 slots.

To confirm:  
Hold 2 seats 6/27 Birmingham *JEFF & JUEL*  
Hold 2 seat 6/28 Alex City *RANDY & CHRIS*  
Hold 1 seat 7/18 Alex City *MICHAEL & RODNEY*

Thanks,  
Michael

---

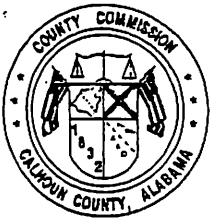
**From:** Stegmaier, Tracy A. [mailto:stegmaiert@dot.state.al.us]  
**Sent:** Tuesday, April 25, 2017 9:47 AM  
**To:** Michael Hosch  
**Subject:** RE: 2017 ALDOT QCI Classroom Sessions - Registration

That's no problem Michael. I'm just now sending out registration to the ALDOT employees so you caught me at a good time.

To confirm:  
Hold 2 seats 6/27 Birmingham  
Hold 1 seat 6/28 Alex City  
Hold 1 seat 7/18 Alex City

Tracy A. Stegmaier, P.E.  
ALDOT Environmental Construction Engineer  
334-242-6244 office  
[stegmaiert@dot.state.al.us](mailto:stegmaiert@dot.state.al.us)

**From:** Michael Hosch [mailto:mhosch@calhouncounty.org]  
**Sent:** Tuesday, April 25, 2017 9:37 AM  
**To:** Stegmaier, Tracy A. <stegmaiert@dot.state.al.us>  
**Subject:** RE: 2017 ALDOT QCI Classroom Sessions - Registration



# CALHOUN COUNTY COMMISSION

ENGINEERING DEPARTMENT  
160 SEATON DRIVE  
ANNISTON, ALABAMA 36205  
TELEPHONE (256) 237-4657  
FAX (256) 237-2009

BRIAN W. ROSENBALM  
COUNTY ENGINEER

## COMMISSIONERS

FRED WILSON  
DISTRICT 1

TIM HODGES  
DISTRICT 2

DON HUDSON  
DISTRICT 3

J.D. HESS  
DISTRICT 4

LEE PATTERSON  
DISTRICT 5

May 25, 2017

Ms. Marla Smith  
Alabama Department of Environmental Management  
MS4 Coordinator  
Storm Water Management, Water Branch  
1400 Coliseum Blvd.  
Montgomery, AL 36110

Attention: Marla Smith

RE: MS4 Annual Report

Dear Ms. Smith:

Attached is the following data:

- 2016 Annual Report

If I may be of further assistance, please advise.

Sincerely,

Chris Gann, E.I.  
Asst. County Engineer

**COPY**



# AGENDA

## CITIZENS ADVISORY COMMITTEE

of the

CALHOUN AREA METROPOLITAN PLANNING ORGANIZATION (MPO)

East Alabama Regional Planning and Development Commission 3<sup>rd</sup> Floor Conference Room

10:00 am

**June 20, 2017**

1. Call to Order
2. Introductions
3. Old Business
  - a. Review of CAC minutes from May 17, 2017
  - b. Approval of CAC minutes from May 17, 2017
  - c. CAC Appointments and Welcome of New Members
  - d. TBA
4. New Business
  - a. Review FY 16-19 TIP Update (Handout)
  - b. TBA
5. Other Business
  - a. Other Current Transportation Projects
  - b. Anniston Express and ADA Para-Transit Ridership
  - c. Next CAC Meeting
  - d. TBA
6. Adjourn

NEXT MEETING SEPT 20 10:00 AM



# Alabama Stormwater Association

October 5, 2017

ALDOT Central Office, Montgomery, AL

## “MS4 Audit Expectations & Preparation”

### \*\*\* Agenda \*\*\*

- 10:00 a.m.    **Welcoming**  
Speaker: Wade Henry, PE, CPMSM, CPESC - ALDOT
- 10:05 a.m.    **Ice-Breaker: Attendee Introductions**
- 10:30 a.m.    **Panel Discussion: MS4 Audit Experiences**  
Panelists: Rosemary Sawyer, PE, CPMSM, CFM & Denise Brown, PE - City of Mobile  
              Jeremy Ward, CPMSM, CPESC, CSI - City of Gadsden  
              Tom McCauley, CHMM - Auburn University  
Moderator: Scott Rogers, PhD, PE, CPMSM - ALDOT
- 11:30 a.m.    **Lunch**
- 12:30 p.m.    **Discussion with Q&A Session: ADEM’s Tips for a Successful Audit**  
Speaker: Marla Smith, CPMSM - ADEM
- 1:15 p.m.    **Open Forum: Shaping the Role(s) of the Alabama Stormwater Association**  
Moderator: Eve Brantley, PhD - Auburn University/ACES
- 2:00 p.m.    **Adjournment**

Meeting Moderator: Daniel Ballard, ASLA, PLA - City of Auburn



# Calhoun County Stormwater Cooperative

10/16/17

Meeting 10:00 AM

## Agenda

- Introductions
- Purpose and Participants
- MS4 Audit Update
- Current Needs
- Open Floor
- Upcoming Outreach Opportunities
- Next Meeting
- Adjourn



# Choccolocco Creek Watershed Conference

## Conference Agenda

- 8:00-8:30 am** Registration, Refreshments, Visit Exhibit Booths
- 8:30 am** Welcome Steve Moses Co-Chair Choccolocco Creek Watershed
- 8:35-8:50 am** Kevin Jenne, Choccolocco Watershed Coordinator—Choccolocco Creek Watershed
- 8:50-9:10 am** Lem Burell, Chairman—Coosa Basin Steering Committee, Coosa River Basin Update
- 9:10-9:25 am** Jody Burdette, District Conservationist— Environmental Quality Incentive Program Update
- 9:25-9:45 am** Allison Jenkins, SWCC Water Program Coordinator— Agriculture Water Quality Protection
- 9:45-10:05 am** Dr. William Puckett, Executive Director SWCC—State Soil and Water Conservation Committee Update
- 10:05-10:15 am** Break / Visit Exhibit Booths
- 10:15-10:35 am** Earl Norton - Clear Water Alabama Program Update and Related Programs
- 10:35-10:55 am** Jack Deal - Choccolocco Park Director - Choccolocco Park Existing and Upcoming Projects
- 10:55-11:15 am** Fred Couch - Alabama Scenic River Trails Founder and President—Program Updates
- 11:15–11:30 am** Kim Murray—Talladega County Board of Education Watershed Projects
- 11:30-11:50 am** Dr. John Guarisco, Toxicologist ADPH—Choccolocco Creek Fish Advisories Update
- 11:50-12:00 pm** Break / Visit Exhibit Booths
- 12:00 - 1:00 pm** Lunch and Networking



11/9/17

**MINUTES**  
**CITIZENS ADVISORY COMMITTEE (CAC)**  
**of the Calhoun Area Metropolitan Planning Organization (MPO)**  
**Wednesday, November 15, 2017**  
**10:00 a.m.**

Those attending:

Dennis Reaves	Calhoun County / MPO
Lavoy Jordan	Oxford
Marshall Shaddix	Oxford
Dawn Landholm	EARPDC
Pee Agyei-Boakye	EARPDC / MPO
Dr. Mike Kimberly	Anniston
Miller Parnell	Anniston
Frank Thomas	Weaver
Buford Parker	Oxford
Darryl League	Oxford
Joe Cunningham	Hobson City
Lem Burrell	Oxford
Tommy Thompson	Jacksonville
Phillip Keith	Anniston

The meeting was called to order at 10:02 a.m. by Mr. Dennis Reaves, Chair.

**OLD BUSINESS:**

Minutes of the CAC meeting of September 20, 2017, were approved on a motion by Mr. Lem Burrell and seconded by Mr. Darryl League. Motion carried.

Ms. Dawn Landholm introduced the members to Ms. Pee Agyei-Boakye who is the new Transportation Planner for EAC.

**NEW BUSINESS:**

Chairman Reaves called for the Review of FY 16-19 TIP Update. Ms. Dawn Landholm gave the members a handout of the list of MPO projects to review. Ms. Landholm stated that she had not received anything new to add or change on the current TIP.

There was a brief discussion on the intersection at 202 and Bynum Blvd. It was stated that better lighting is needed at that intersection and also better lighting is needed at the intersection of Henry Rd. and the Eastern Bypass. A motion was made by Mr. Darryl League to suggest these two changes at the MPO meeting tomorrow, which was seconded by Mr. Lem Burrell. Motion carried.



**OTHER BUSINESS:**

Chairman Reaves called for discussion of Other Current Transportation Projects. Ms. Landholm had not received an updated list to give to the members.

Chairman Reaves continued by calling for the report on Anniston Express and ADA Para-Transit Ridership. Ms. Landholm stated that the last two pages in the agenda pack are graphs to review and explained that there was a total of 9,560 fixed-route riders for October. For the ADA Paratransit Ridership for October; Anniston had 766 one-way trips, Jacksonville had 244 one-way trips, 11 trips for Weaver, and Oxford had 175 one-way trips. For the Urbanized area 232 one-way trips and 246 one-way trips for the Rural area.

The next CAC meeting is scheduled for Wednesday, January 17, 2018, at 10:00 a.m. in the EARPDC 3<sup>rd</sup> floor Conference Room.

There being no further business, the meeting was adjourned at 10:45 a.m.

## CCW Meeting Summary, December 6, 2017

**Attendees:** Jennifer Yates, Steve Moses, Lesley Hanson, Kevin Jenne', Henry Dorough, Rick Nichols, Jennifer Soehren, Stephen Faughn, Rodney Owens, Jody Burdette

- After welcome, the September, 2017, meeting was reviewed.
- Kevin discussed the 2017 CCW Water Conference turnout, and mentioned that responses from attendees had been outstanding concerning topics, format, speakers, and food. Rick suggested possible longer speaking times for speakers in the future.
- Kevin also noted the success of the fall clean-up and the DeArmanville Outdoor Classroom.
- Kevin informed the board that CCW was meeting as part of the Calhoun County Stormwater Cooperative concerning MS4 issues. Chris Gann had asked if the CCW had any stormwater markers they could use. None were available, but a partnership of funding was mentioned.
- Kevin also discussed the year-end successes, outreach totals, expansion of offerings for CCW, and pursuing more grants and other funding.
- Jennifer Y. discussed future workshops on topics, such as composting, erosion control, wildlife, stormwater, and turf management.
- Jennifer Y. also mentioned having the CCW Water Conference this year, then every other year.
- Steve and Lesley mentioned a possible 5k run for fund raising. Jennifer Y. mentioned possibly a twilight run with inflatables. Steve also suggested getting with land owners about access along the creek.
- Rick suggested setting all of 2018 meeting dates/times at next meeting.
- Kevin brought up the recommendation of not giving community advice on cleaning/eating fish from the creek as per several professional opinions. It could possibly be a liability. It was discussed still giving ADEM fish advisories to public. If we did water bill inserts, Rodney said we would need a 60 day notice prior to billing.
- Rodney discussed the kiosk at the bike trail.
- Watershed signs were discussed as well as sponsorship and payment. Steve said Kimberly was interested in getting one put on HWY 21. Jennifer Y. said we would look into it.
- Next meeting was set for January 31<sup>st</sup>, 2018, 11:30AM
- Meeting adjourned.

Clear Water AL 2018  
Initial Planning Meeting January 3, 2018  
Anniston, AL

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Background

*Clear Water AL 2018 will be the 26<sup>th</sup> event of this type – an educational program focused on erosion and sediment control at construction sites, sometimes referred to as construction stormwater!*

*Clear Water AL began in 2004 as Red Water Blues, a one-day field event. It changed in 2008 to a 2-day seminar/field day program and changed names in 2009 to Clear Water AL.*

*Clear Water AL is part of the statewide Erosion and Sediment Control (ESC) technology program directed by the AL Soil and Water Conservation Committee with support of nine partners represented on a Steering Committee.*

*Other programs related to Clear Water AL included the AL Handbook for ESC; a Field Guide for ESC; ESC seminars with Auburn University; other ESC seminars*

Potential local sponsors for Clear Water AL: the local Conservation District, Cities/Towns/County government

Potential Dates: see dates on back, always Wednesday and Thursday

Potential Meeting Facility:

Meeting Theme:

Registration Fees: (see 2017 Announcement)

Registration/Administration: performed by ESC Program Coordinator

? 2018 sponsors: Calhoun County SWCD; Cities of Anniston, Oxford and Jacksonville; Calhoun County Commission; ???? other cities and towns

Potential non-gov't sponsors – engineering firms, construction firms, etc.

↳ LONG ENGINEERING  
THOMPSON  
CDG



# Clean Water AL 2018 Planning

Oxford, AL

January 3, 2018

Bea Vedovato	BVEDOVAT@ANNISTONAL.GOV	CO Anniston
Tana Bryant	Tbryant@anniston.al.gov	256-231-7733
MARK STEPHENS	MSTEPHENS@JACKSONVILLE-AL.ORG	256-782-3842
CHRIS GANN	cgann@calhouncounty.org	256-237-4657
Lance Ambrester	lambrester@qcar.state.al.gov	256-231-7750
Jeremy Cruse	crusej@Oxewater.com	256-239-3483
Alton Craft	altocraft@bellsouth.com	256-831-7510
DON HUDSON	DFHudson@cableone.net	256-831-2660
Andy Green	green@jsu.edu	256-782-5160
JENNIFER	choccolocowatershed@gmail.com	
Jesse Hall	jesse.hall@al.usda.gov	256-835-0512
Bill Prince	bill.prince@al.usda.gov	256-835-0512 x106
Perry Oakes	perry.oakes@al.nacdn.net	337 703 6365
Jennifer Yates	calhounswcd@gmail.com	256-499-8814

# Calhoun County Stormwater Cooperative

1/22/18

Meeting 10:00 AM

## Agenda

- ✓ Introductions
- ✓ MS4 Illicit Discharge Update
- ✓ Clear Water Alabama
- ✓ Current Needs - *INLET MARKING*
  - Open Floor - *TIRES - 319 PROJECT?*
  - Upcoming Outreach/Project Opportunities - *TURF MANAGEMENT WORKSHOP?*
  - Next Meeting - *APRIL 9, 2018*
  - Adjourn

*COMPOSTING WORKSHOP?*







## County Wide Safety Meeting

January 30, 2018

### Agenda

Welcome – Mark Tyner (New administrator and previous Safety Coordinator)

Roll Call

Review of Previous Minutes (9/19/2017)

Overview of Responsibilities (Handout)

Review of Safety Coordinator Training (Required)

Review of Public Officials Training (Required)

Review of Sheriff's Office Driving Simulator Dates (Required)

Review of Sheriff's Office Training Dates (Required)

Review of Road and Bridge Training Dates (Required)

HB 193 Amendment 4

MS4 Video – Make our workers aware of illicit discharge

Review of Accidents since September 19, 2017

Other Business

Adjourn

Sign In

Calhoun County Safety Committee


January 30, 2018 10:00am

1. Eric Ceentr

2. Greg Militano

3. 

4. BRIAN ROSEBalm

5. 

6. James Poe

7. Lynde Green

8. 

9. Jon Garlick

10. Rodney McLean

11. Kelsey 

12. Theodor Smart

## Choccolocco Creek Watershed Meeting

January 31, 2018

Agenda

Location: USDA Service Center

Time: 11:30 am – 1:00

- 11:30-11:35 Welcome, Lunch, & Introductions
- 11:35– 11:40 Review December 2017 meeting
- 11:40 – 11:50 Coordinator Report/Updates
- 11:50-12:10 Justinn Overton, Coosa Riverkeeper
- 12:10-12:15 Member Reports and Announcements
- 12:15-12:40 Meeting Scheduling, Projects, and Events Planning for 2018
- 12:40 – 12:45 Review Action Items/Assignments
- 12:45 Adjourn

MARCH 14 7:30 AM VIP SESSION

MARCH 13-14 WORKS OF WORK



# AGENDA

## CITIZENS ADVISORY COMMITTEE

of the

CALHOUN AREA METROPOLITAN PLANNING ORGANIZATION (MPO)

East Alabama Regional Planning and Development Commission 3<sup>rd</sup> Floor Conference Room

10:00 am

**February 14, 2018**

1. Call to Order
2. Introductions
3. Old Business
  - a. Approval of CAC minutes from November 9, 2017
  - b. CAC Appointments and Welcome of New Members
  - c. TBA
4. New Business
  - a. Review FY 16-19 TIP Update (Handout)
  - b. TBA
5. Other Business
  - a. Other Current Transportation Projects
  - b. Anniston Express and ADA Para-Transit Ridership
  - c. Next CAC Meeting
  - d. TBA
6. Adjourn



# ALDOT Outfall Mapping

Anniston MS4 Area

Follow-up Meeting

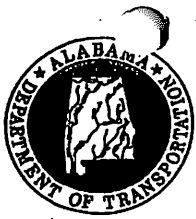
**Date:** 1 March 2018

**Time:** 10:00 am – 12:00 pm

**Location:** ALDOT District Office  
1545 US-431 Highway  
Anniston, Alabama

## Agenda

1. Introductions / Contacts
  - a. ALDOT
    - Paul Carter (334) 242-6277
    - Johnathon Roberts (334) 242-6923
  - b. Hydro Engineering Solutions
    - Dewayne Smith (334) 740-6000
    - Sushban Shrestha (334) 444-3021
2. Sign-In Sheet
3. Outfall Mapping and Screening
4. Outfall Mapping Report
5. Suspect Non Stormwater Discharges
6. Follow-up screening



# ALDOT MS4 Program

## Meeting Sign In Sheet

Date: 03/01/2018 Location: ALDOT District office, Anniston, AL

Purpose: Anniston MS4 Area - Follow-up Meeting

<u>Name</u>	<u>Organization</u>	<u>Phone</u>	<u>E-mail</u>
<u>Sushban shrestha</u>	<u>HYDRO</u>	<u>(334) 444-3021</u>	<u>sshrestha@hydro-engineering.net</u>
<u>Johnston Roberts</u>	<u>ALDOT</u>	<u>334-242-6923</u>	<u>robertsj@dot.state.al.us</u>
<u>Paul Carter</u>	<u>ALDOT</u>	<u>334-850-1864</u>	<u>carterp@dot.state.al.us</u>
<u>SHANNON T. JONES</u>	<u>ALDOT</u>	<u>(256) 820-3131</u>	<u>jonessc@dot.state.al.us</u>
<u>CHRIS GANN</u>	<u>CALHOUN CO.</u>	<u>256-237-4657</u>	<u>cgann@calhouncounty.org</u>
<u>Kyle Freeman</u>	<u>ALDOT</u>	<u>(256) 820-3131</u>	<u>freemank@dot.state.al.us</u>
<u>William Whaley</u>	<u>ALDOT</u>	<u>(256) 397-0367</u>	<u>whaleyw@dot.state.al.us</u>
<u>DWAYNE SMITH</u>	<u>HYDRO</u>	<u>(334) 740-6000</u>	<u>DSMITH@HYDRO-ENGINEERING.NET</u>





ALDOT MS4 Program  
Meeting Sign In Sheet

Date: 03/01/2018 Location: ALDOT District office, Anniston, AL

Purpose: Anniston MS4 Area - Follow-up Meeting

Name	Organization	Phone	E-mail
<u>Sushan Shrestha</u>	<u>HYDRO</u>	<u>(334) 444-3021</u>	<u>sshrestha@hydro-engineering.net</u>
<u>Johnathon Roberts</u>	<u>ALDOT</u>	<u>334-242-6923</u>	<u>robertsj@dot.state.al.us</u>
<u>Paul Carter</u>	<u>ALDOT</u>	<u>334-850-1864</u>	<u>carterp@dot.state.al.us</u>
<u>SHAMON T. JONES</u>	<u>ALDOT</u>	<u>(256) 820-3131</u>	<u>joness@dot.state.al.us</u>
<u>CHRIS GANN</u>	<u>CALHOUN CO.</u>	<u>256-237-4657</u>	<u>cgann@calhouncounty.org</u>
<u>KYLE FREEMAN</u>	<u>ALDOT</u>	<u>(256) 820-3131</u>	<u>freemank@DOT.STATE.AL.US</u>
<u>William Whaley</u>	<u>ALDOT</u>	<u>(256) 397-0367</u>	<u>whaleyw@dot.state.al.us</u>
<u>DEWAYNE SMITH</u>	<u>HYDRO</u>	<u>(334) 740-6000</u>	<u>DSMITH@HYDRO-ENGINEERING.NET</u>





**ADEM**

Alabama Department of Environmental Management

**NIPS**

**CONFERENCE**



*March 15, 2018*

Renaissance Hotel Conference Center • 201 Tallapoosa Street • Montgomery, Alabama

# Calhoun County Alabama



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**Drop-Off Centers**

[Waste/Recycle Facts](#)

[Composting](#)

[Yearly Totals](#)

[Education Outreach](#)

[Waste Totals](#)

[Department Home](#)

Office:  
Bynum Leatherwood Rd

Mail: Recycling Office  
1702 Noble Street  
Suite 101  
Anniston, AL 36201

Phone: 256-241-2942  
Fax: 256-231-1747  
Email

## Recycling Drop-Off Centers in Calhoun County

These are in addition to our main Recycling Center located at the intersection of Bynum Leatherwood Road and Old Gadsden Highway.



**Alexandria High School**

Newspaper  
Office Paper  
Aluminum Cans  
Cardboard

**Weaver City Park**

Cardboard  
Newspaper  
Office Paper  
Aluminum Cans

**Wellborn High School**

Cardboard  
Newspaper  
Aluminum Cans

**Ohatchee  
near County Barn**

Newspaper  
Cardboard  
Aluminum Cans

**Winn Dixie  
(Noble Street)**

Cardboard  
Plastic  
Newspaper  
Mixed Paper  
Aluminum Cans

**Communnity Garden  
(McClellan)**

Cardboard  
Plastic  
Newspaper  
Mixed Paper  
Aluminum Cans



**Standard Operating Procedure**

**SOP#: ID-1**

**Description:** Outfall Identification and Screening

**Purpose:** SOP to establish a uniform procedure for completing outfall identification and screening in accordance with Illicit Discharge Detection and Elimination Guidance Manual.

**Prepared By:** Chris Gann    **Approved By:** Brian Rosenbalm    **Effective Date:** 9/18/14

**References**

1. Illicit Discharge Detection and Elimination Guidance Manual

**Personnel Qualifications**

This SOP is written for Calhoun County staff responsible for implementing the Storm Water Management Program. Calhoun County staff performing the outfall identification and screening shall have an understanding of the methods, procedures, and protocols of identifying and screening outfalls in accordance with the Illicit Discharge Detection and Elimination Guidance Manual.

**Procedural Steps**

1. Preparation
  - a. Identify outfalls scheduled for screening
  - b. Review maps (Highway, 7.5 Minute Quadrangle, GIS, etc.) to determine locations
  - c. Upload coordinates of each outfall into hand held GPS unit
2. Equipment Needed
  - a. ORI inspection forms
  - b. Clip board and pencil
  - c. Hand Held GPS unit
  - d. Camera



- e. Boots
  - f. Gloves
  - g. Waders
  - h. Machete/bush ax
  - i. Sample collection supplies
    - i. Sample bottles
    - ii. Extension pole
    - iii. Test strips
    - iv. Water chemistry kit
    - v. Latex gloves
  - j. Maps
  - k. Measuring equipment
    - i. Tape
    - ii. Measuring wheel
    - iii. Stopwatch
  - l. Hand sanitizer
  - m. First aid kit
3. Determine when to conduct field screening
- a. During dry season
  - b. After a dry period of at least 72 hours
  - c. Identify field crew
  - d. Drive to outfall location
4. Outfall Screening – Complete ORI Form
- a. Background data
  - b. Outfall description
    - i. Type
    - ii. Material
    - iii. Shape
    - iv. Dimensions
    - v. Presence of flow
  - c. Quantitative Characterization (for flowing outfalls only)
    - i. Flow
    - ii. Temperature
    - iii. pH

- iv. Ammonia
    - d. Physical Indicators (for flowing outfalls only)
      - i. Odor
      - ii. Color
      - iii. Turbidity
      - iv. Floatables
    - e. Outfall condition
  - 5. If a flowing outfall has suspect discharge
    - a. Trace the suspect discharge to its source
    - b. If the source of suspect discharge can be identified and is from:
      - i. Groundwater? Note on ORI form
      - ii. Failing septic system? Contact County Health Department
      - iii. Leaking sanitary sewer system? Contact responsible municipality and/or utility.
      - iv. Other? Identify and notify responsible party.
    - c. If the source of the suspect cannot be identified
      - i. At the discretion of the field team, collect a sample of the suspect discharge
      - ii. Preserve and pack sample
      - iii. Complete chain of custody form
      - iv. Deliver sample(s) to laboratory for analysis
  - 6. Post Field Work Activities
    - a. Document field activities
      - i. Outfalls screened that had no suspect illicit discharges
      - ii. Outfalls screened that had suspect illicit discharges and action taken
    - b. If additional outfalls were identified, update outfall inventory and outfall map
    - c. File ORI Forms
    - d. Obtain analytical data for samples submitted to laboratory
    - e. Evaluate analytical data and follow up as needed

**Standard Operating Procedure**

**SOP#: ID-2**

**Description:** Construction Site Identification and Screening

**Purpose:** SOP to establish a uniform procedure for completing construction site identification in accordance with Alabama Handbook for Erosion Control, Sediment Control, and Stormwater Management on Construction Sites and Urban Areas

**Prepared By:** Chris Gann    **Approved By:** Brian Rosenbalm    **Effective Date:** 9/18/14

**References**

Alabama Handbook for Erosion Control, Sediment Control, and Stormwater Management on Construction Sites and Urban Areas

**Personnel Qualifications**

This SOP is written for Calhoun County staff responsible for implementing the Storm Water Management Program. Calhoun County staff performing the construction site identification and screening shall have an understanding of the methods, procedures, and protocols of identifying and screening outfalls in accordance with the Alabama Handbook for Erosion Control, Sediment Control, and Stormwater Management on Construction Sites.

**Procedural Steps**

1. Preparation
  - a. Identify suspect construction site
  - b. Use nearby street signs and mile markers to identify location of site.
  - c. Use hand held GPS to make note of coordinates.
2. Equipment Needed
  - a. Clip board and pencil
  - b. Hand held GPS unit

- c. Camera
- d. Maps
- e. Measuring equipment
3. Take Pictures of suspect site
  - a. Do Not Enter Site
  - b. Take pictures of NPDES permit if in sight
  - c. Make note if, note
  - d. Take pictures/note of any suspected violation
4. Note all BMP's in use
5. Submit ADEM Complaint Form online
  - a. <http://app.adem.alabama.gov/complaints/submission.aspx>
  - b. Include permit number, location, pictures, and notes on complaint submission
6. Post Field Work Activities
  - a. Download pictures
  - b. Make file for Construction Site
  - c. Insert all notes and pictures into file



**Standard Operating Procedure**

**SOP#: ID-3**

**Description:** Vehicle and Equipment Washing

**Purpose:** SOP to establish a uniform procedure for completing routine cleaning of equipment and vehicles, that minimize the potential for release of pollutants from the facility during the performance of county operations.

**Prepared By:** Chris Gann    **Approved By:** Brian Rosenbalm    **Effective Date:** 2/20/18

**Personnel Qualifications**

This SOP is written for Calhoun County staff responsible for vehicles and/or heavy equipment owned by Calhoun County.

**Procedural Steps**

1. Preparation
  - a. Provide wash areas for vehicles and equipment on an approved wash rack that has a drain system with an oil and water separation tank.
  - b. No equipment and/or vehicle washing will be done where the drain system is connected to the storm sewer system.
2. Process
  - a. Soap should not only be used while on the approved wash rack.
  - b. Use hoses with automatic shut off nozzles to minimize water usage.
  - c. It is the operators' responsibility to ensure all wash water is contained on the pad and does not have access to the storm drain.

**Standard Operating Procedure**

**SOP#: ID-4**

**Description:** Road Maintenance

**Purpose:** SOP for stormwater pollution prevention procedures for road maintenance and repair projects including:

Concrete curb and gutter work, concrete pouring, asphalt re-surfacing, paving, chip sealing, striping and marking

**Prepared By:** Chris Gann    **Approved By:** Brian Rosenbalm    **Effective Date:** 2/20/18

**Personnel Qualifications**

This SOP is written for Calhoun County staff responsible for performing maintenance on Calhoun County on right-of-way.

**Procedural Steps**

1. Preparation
  - a. Equipment and Materials
    - i. Inlet protection devises (wattles, drain covers, berms, sand bags, and/or filter fabric)
    - ii. Spill kit and equipment for dry clean up (socks, absorbent pads, oil dry, broom, and dustpan)
    - iii. Large Wet/Dry Vacuum
    - iv. Secondary Containment (containers and tarps)
    - v. Appropriate PPE
2. Standard Operating Procedures
  - a. Storm Drain Protection
    - i. Locate and block storm drain inlets with 25 feet or down grade from maintenance work

- ii. Place covers, rock wattles , sand bags, or filter fabric around inlets to protect them from entry of wastes, dusts, overspray, or slurry
- iii. Inspect site at the beginning and end of each day to ensure operations are not contributing to sediment or other pollutants entering the drain
- iv. Clean right-of-ways with broom –as needed

**b. Concrete Work**

- i. When saw cutting concrete, use the minimum amount of water. Let the waste slurry dry and then sweep it up before leaving site. A wet vacuum may also be used to pick up the waste slurry immediately after cutting. Do not allow waste slurry to reach storm drains.
- ii. Designate a “Concrete Wash Out Area” that is as far as possible from any surface waters, storm drains, or drainage ditches and is locate in a low area where wash water will pool and soak into the ground.
- iii. Concrete trucks must washout in the designated area.
- iv. Maintain the wash out area, inspect it for clean out needs, and check for run-on and run-off.
- v. The debris from the washout area must be taken to a permanent disposal site when the washout is full and/or when the project is complete.

**c. Erosion Control and Storage of Materials**

- i. Cover and contain all liquid and solid materials to prevent run off.
- ii. Avoid storing piles of materials (soil, gravel, sand) in street, near storm drains, or gutters. If dirt piles must be stored in the street, they must have berms or wattles surrounding them to prevent run-off. All down gradient storm drains should be protected using the Storm Drain Protection SOP.
- iii. Excavated material should be placed on the uphill side of the trench to minimize the sediment run-off.
- iv. Control erosion to the maximum extent possible.

- v. Inspect and maintain all erosion control devices during the entirety of the project.
- vi. Ensure that projects have all necessary stormwater permits required.
- d. Painting and Striping
  - i. Schedule painting, marking and striping projects during dry weather only. Cease all activities when rain threatens.
  - ii. Protect nearby storm drain inlets using the Storm Drain Protection SOP.
  - iii. Promptly clean up any spills of paints, cleaners, or other chemicals.
- e. Re-Surfacing or Paving
  - i. Re-seal or pave only on dry days when no rain is expected. Cease all activities when rain threatens.
  - ii. If possible, transfer, store, pre-heat and load hot asphalt far away from storm drains.
  - iii. Protect downstream inlets using the Storm Drain Protection SOP for the entirety of the project.
- f. Bridge Repair Work
  - i. When working on bridges, transport and store paint and materials in containers with secure lids.
  - ii. Do not transfer, store or load paint on the bridge.
  - iii. Capture waste, scraps, rust or paint from sanding or painting projects. It may be necessary to suspend nets or tarps below the bridge to catch falling debris. If sanding or sand blasting, use a vacuum bag attachment.



## Standard Operating Procedure

SOP#: ID-5

**Description:** Herbicide, Pesticide, and Fertilizers

**Purpose:** SOP to establish standard, consistent stormwater pollution prevention procedures for the application, storage, transport, and disposal of pesticides, herbicides, and fertilizers to prevent the discharge of pollutants related to these activities.

**Prepared By:** Chris Gann    **Approved By:** Brian Rosenbalm    **Effective Date:** 2/20/18

### Personnel Qualifications

This SOP is written for Calhoun County staff responsible for applying herbicides, pesticides, and/or fertilizers on Calhoun County on right-of-ways and/or facilities.

### Procedural Steps

#### 1. Preparation

- a. Ensure personnel have current state certifications for chemical handling before handling any pesticides, herbicides, or fertilizers.
- b. Calibrate product application equipment to avoid over-application.
- c. Use products only if there is an actual problem.
- d. Apply all products at a rate and in the season specified by the manufacturer (i.e., "Read the Label")
- e. Know the weather conditions. Do not use products when rain is expected. Apply products only when wind speeds are low (i.e., less than 5 mph)

#### 2. Process

- a. Always follow the manufacturer's recommendations for mixing, application, and disposal (i.e., "Read the Label")
- b. Do not mix or prepare products for application near storm drains or streams; preferable, mix inside a protected area with impervious

secondary containment, preferable inside a building so that spills or leaks will not contact soils. If products must be mixed in the field, use precautions to prevent spills or leaks from contacting soils.

- c. Employ techniques to minimize off-target applications like spray drift or over broadcasting of products.
- d. Do not apply to waterways.

### 3. Cleanup

- a. Sweep any fertilizers from pavement and sidewalks onto grassy areas before applying irrigation water.
- b. Triple rinse containers, and use rinse water as product. Dispose of unused pesticides as hazardous waste.
- c. Always follow all federal and state regulations governing use, storage, and disposal of products and their containers (i.e. "Read the Label").

### 4. Documentation

- a. Keep copies of MSD sheets for all products used.
- b. Record fertilizing and pesticide application activities, including date, individual who performed the application, amount of product used, location, and approximate area covered.

## Standard Operating Procedure

SOP#: ID-6

**Description:** Vegetation Control, cutting and removal

**Purpose:** SOP to establish standard, consistent stormwater pollution prevention procedures to be used during mowing, trimming, and clearing of Right-of-way areas and facilities owned by Calhoun County.

**Prepared By:** Chris Gann    **Approved By:** Brian Rosenbalm    **Effective Date:** 2/20/18

### Personnel Qualifications

This SOP is written for Calhoun County staff responsible for mowing, trimming, and clearing of Right-of-way areas and facilities owned by Calhoun County.

### Procedural Steps

1. Preparation
  - a. Locate all storm drain structures and inlets in the right-of-way.
  - b. Have a line location done before any digging or grading operations are performed.
  - c. Call 811 if digging within the Right-of-way.
2. Process
  - a. Inspect equipment for leaks and check fluid levels.
  - b. Mow in a manner to minimize clippings blown toward drainage structure inlets.
  - c. Pick up litter within Right-of-way to avoid catch basins from being plugged.
3. Cleanup
  - a. Scrape and brush mowers off at the shop – Sweep dry spoils and dispose at approved facilities.
  - b. Wash equipment at the appropriate facility where all excess water contained in an onsite retention area.

## 4. Documentation

- a. Document maintenance.
- b. Document training of employees.



**Standard Operating Procedure**

**SOP#: ID-7**

**Description:** Fleet Maintenance and Repair

**Purpose:** SOP to establish proper means for maintaining vehicles and equipment that are used or stored outdoors. Improperly maintained vehicles and equipment can generate spills or leaks that can enter the storm sewer system or generate contaminated stormwater runoff. These discharges are considered to be an "Illicit Discharge".

**Prepared By:** Chris Gann    **Approved By:** Brian Rosenbalm    **Effective Date:** 2/20/18

**Personnel Qualifications**

This SOP is written for Calhoun County staff responsible for operating and/or maintaining equipment and/or vehicles owned by Calhoun County.

**Procedural Steps**

1. Preparation
  - a. Before operating a vehicle or piece of equipment, operators should inspect it for any obvious signs of leaks or other maintenance problems.
  - b. All vehicles or equipment should receive routine maintenance according to manufacturer's guidelines, at minimum.
2. Process
  - a. Vehicle Maintenance
    - i. Regular vehicle and equipment maintenance should be performed according to established routine maintenance schedule.
  - b. On Site Equipment Maintenance

- i. Precautions should be taken to ensure any leaks, spills, or drips from maintenance operations do not contaminate the stormwater (i.e. tarps, drip pans, etc.).
    - ii. Conduct maintenance operations on impervious surfaces as far from stormwater conveyances, ditches, or drains as possible.
  - c. Unexpected Repairs, Spills, or Leaks
    - i. Service problem equipment as soon as possible.
    - ii. Use same precautions described in On Site Equipment Maintenance section to prevent an Illicit Dishcharge.
- 3. Cleanup
  - a. Clean up spills and leaks immediately upon discovery.
  - b. Dispose of contaminated material properly.
- 4. Documentation
  - a. Document maintenance.
  - b. Document training of employees.

# Dry Weather Screening Checklist

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Dry weather screening must be performed during dry weather periods. A dry weather period is defined as more than 72 hours have passed since the last significant rain event which is greater than 0.10 inches of precipitation.

## Instructions:

- Take a photo of the outfall and attach it to the written report.
- Observe if there is liquid flow coming from the outfall.
- If the flow has an odor mark yes and describe the odor.
- If the flow has a color mark yes and describe the color.
- If the flow has floatable materials in it mark yes and describe.
- Describe the condition of the outfall structure (i.e. good, in need of repair, etc.)
- If the flow has oil sheen, mark appropriately.
- If the flow has surface scum, mark appropriately.

Outfall ID: \_\_\_\_\_ Location (Lat/Long): \_\_\_\_\_

Last Rain > 72 hours: Yes \_\_\_ No \_\_\_ Photo: Yes \_\_\_ No \_\_\_

Odor: None \_\_\_ Yes \_\_\_ Description \_\_\_\_\_

Color: None \_\_\_ Yes \_\_\_ Description \_\_\_\_\_

Floatables: None \_\_\_ Yes \_\_\_ Sewage \_\_\_ Trash \_\_\_ Vegetation \_\_\_ Other \_\_\_\_\_

Outfall Structural Condition: \_\_\_\_\_

Oil Sheen: Yes \_\_\_ No \_\_\_ Surface Scum: Yes \_\_\_ No \_\_\_

Sample Taken: Yes \_\_\_ No \_\_\_ If sample taken, results attached: Yes \_\_\_ No \_\_\_

Notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



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(<http://www.intse.com/>)



(<http://www.calhouncounty.org/highway/stormmain.htr>)



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