



STORMWATER
MANAGEMENT



ANNUAL REPORT

APRIL 1, 2015 – MARCH 31, 2016

City of Jacksonville, Alabama
Phase II Small MS4
NPDES General Permit ALR040004

March 2016

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1. INTRODUCTION

The City of Jacksonville’s Planning and Building Department has prepared this Annual Report for the City of Jacksonville Phase II Small Municipal Separate Storm Sewer System (MS4).

The Annual Report is required by Part V.C.1 of the Alabama Department of Environmental Management (ADEM) National Pollutant Discharge Elimination System (NPDES) General Permit ALR040004 for discharges from regulated small municipal separate storm sewer systems (MS4), issued to the Anniston-Oxford Urbanized Area by the Alabama Department of Environmental Management (ADEM). The urbanized area consists of the following entities: City of Anniston, City of Jacksonville, City of Oxford, and portions of unincorporated Calhoun County.

1.1 Permit History

The Storm Water Phase II Final Rule issued by the United States Environmental Protection Agency (USEPA) in 1999 requires nationwide coverage of all operators of small MS4s located within the boundaries of an “urbanized area” as defined by the latest decennial Census. Based on the results of the 2010 census, the Bureau of the Census designated the entities listed in Section 1 as the Anniston, Alabama Urbanized Area. The urbanized area incorporates approximately 87 square miles. A map outlining the approximate boundary of the Anniston-Oxford Urbanized Area is included in **Appendix A**.

The urbanized area initially applied for and received a NPDES MS4 Phase II General Permit from the ADEM in 2003. NPDES General Permit ALR040004 was issued to the urbanized area with an effective date of March 10, 2003. The five-year permit expired on March 9, 2008. A Notice of Intent for renewal of the permit was submitted prior to its expiration and permit coverage was extended through re-issuance of the MS4 Phase II General Permit with an effective date of February 1, 2011. The permit was modified on February 24, 2012 and will expire on January 31, 2016. A copy of the NPDES General Permit is included in **Appendix D**.

From 2003 to 2013, the City of Jacksonville relied on the Calhoun County Commission to prepare the Storm Water Management Plan and Annual Reports for compliance with the NPDES permit. On October 29, 2013, the ADEM issued a Notice of Violation (NOV) to the City of Jacksonville citing deficiencies in their implementation of the permit requirements. Following receipt of the NOV, the City of Jacksonville chose to prepare and implement a Storm Water Management Program independent of the other co-permittees.

1.2 Jacksonville MS4 Area

The City of Jacksonville Municipal Separate Storm Sewer System (Jacksonville MS4) is defined as the area within both the city limits and the Anniston-Oxford Urbanized Area boundary. The

Jacksonville MS4 comprises approximately 6.9 square miles of the Anniston-Oxford Urbanized Area. A map outlining the approximate boundary of the Jacksonville MS4 is included in **Appendix A**.

According to the 2010 Census, the City of Jacksonville has a total population of 12,548, approximately 97% of which live within the designated urbanized area boundary.

1.3 Hydrologic Units in the MS4 Area

Tallasseehatchee Creek is the primary receiving water for the Jacksonville MS4. Tallasseehatchee Creek eventually flows into Ohatchee Creek, 0.48 mile from where Ohatchee Creek enters the Coosa River.

Approximately 1.4 square miles of the south portion of the Jacksonville MS4 discharge to Little Tallasseehatchee Creek. The remaining 5.5 square miles discharge to Tallasseehatchee Creek.

Table 1. Hydrologic Hierarchy

REGION	03	South Atlantic-Gulf
SUBREGION	0315	Alabama River Basin
BASIN	031501	Coosa-Tallapoosa: Above the confluence of and including the Coosa and Tallapoosa River Basins
SUBBASIN	03150106	Middle Coosa

Table 2. Watersheds in the MS4 Area

WATERSHED	HUC
Tallasseehatchee Creek	03150106-04

Table 3. Subwatersheds in the MS4 Area

SUBWATERSHED	HUC	TOTAL SUBWATERSHED (SQ MI)	MS4 AREA IN SUBWATERSHED (SQ MI)
Little Tallasseehatchee Creek	03150106-04-01	22.9	1.4
Flat Tire Creek - Tallasseehatchee Creek	03150106-04-02	43.3	5.5

1.4 Water Quality Concerns

Section 303(d) of the Clean Water Act (CWA), as amended by the Water Quality Act of 1987, and the USEPA Water Quality Planning and Management Regulations (40CFR130) require states to identify waterbodies not in compliance with the water quality standards applicable to their designated use classifications. Section 303(d) then requires that total maximum daily loads

(TMDLs) be determined for all pollutants causing violation of applicable water quality standards in each identified segment.

As of March 2016, none of the waterbodies receiving discharge from the Jacksonville MS4 were listed on the 2016 Alabama 303(d) list (draft).

1.5 Storm Water Management Program

Part III.B of the NPDES General Permit requires that the Permittee develop and implement a Storm Water Management Program (SWMP) that includes the following six minimum control measures:

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

1.6 Annual Review and Updates to the SWMP

The Storm Water Management Program will be reviewed annually by the City of Jacksonville's Planning and Building Department in preparation for the Annual Report. If changes are needed, the SWMP may be updated following the procedures laid out in Part IV.B.2 of the NPDES General Permit. Changes to the SWMP adding components, controls, or requirements may be made at any time, provided the ADEM is notified in writing. The changes must also be documented in the Annual Report.

Permission to make changes to the SWMP to remove or replace components, controls, or requirements must be requested from the ADEM a minimum of 60 days prior to making the change. If the request is denied, the ADEM will provide a written response giving the reason for the decision.

The City of Jacksonville requests that the following changes be made to the SWMP:

- 1. Revise Section 1.5 (Responsible Party) to read: The Planning, Development & Stormwater Director is responsible for the coordination and implementation of the Storm Water Management Plan.**
- 2. Revise Section 3.4 (Responsible Party) to read: The Planning, Development & Stormwater Director is responsible for coordinating and tracking the City's participation in both individual and joint outreach efforts.**

- 3. Revise Section 4.4 (Responsible Party) to read: The Planning, Development & Stormwater Director is responsible for coordinating and tracking the City's participation in both individual and joint outreach efforts with community stakeholders**
- 4. Revise Section 5.10 (Responsible Party) to read: The Planning, Development & Stormwater Director is responsible for implementing, tracking, and enforcing the strategies of the IDDE Program.**
- 5. Revise Section 6.4 (Responsible Party) to read: On February 24, 2014, the City adopted Ordinance O-562-14 which amended Ordinances O-546-13, O-547-13, and O-555-14 creating Section H (Enforcement). The amendment states that the provisions of Chapter 12 (Floods) shall be administered and enforced by the Building Inspector or his duly appointed representative.
The Planning, Development & Stormwater Director is responsible for implementing and tracking the construction site stormwater strategies.**
- 6. Revise Section 7.4 (Responsible Party) to read: The Planning, Development & Stormwater Director is responsible for implementing and tracking the post-construction stormwater management strategies.**
- 7. Revise Section 8.4 (Responsible Party) to read: The Planning, Development & Stormwater Director is responsible for implementing and tracking pollution prevention and good housekeeping strategies for municipal operations.**
- 8. A Dry-Weather Monitoring Report (see document set 19) will be used in lieu of the Outfall Reconnaissance Inventory Field Sheet located in Appendix C of the Illicit Discharge Detection and Elimination Program.**

1.7 Annual Report Components

Part V.C.1 of the NPDES General Permit requires that the Jacksonville MS4 prepare and submit annual reports to the ADEM each year by March 31. This annual report covers April 1, 2015 through March 31, 2016 and includes:

1. The status of the City of Jacksonville's compliance with permit conditions
2. An assessment of whether or not the BMPs identified in the SWMP are appropriate
3. Progress toward reducing the discharge of pollutants to the maximum extent practicable
4. Measurable goals for each of the six minimum control measures
5. Results of information collected and analyzed during the 2015-2016 reporting period
6. Summary of storm water activities planned for the April 1, 2016 to March 31, 2017 reporting period

7. A implementation schedule for the planned storm water activities
8. Proposed changes to the SWMP, including changes to BMPs or measurable goals
9. Notice that the City of Jacksonville intends to rely on ADEM for NPDES construction and industrial permitting enforcement

1.8 Responsible Party

The Planning, Development & Stormwater Director is responsible for the coordination and implementation of the Storm Water Management Plan.

2. REPORTING AND RECORD-KEEPING REQUIREMENTS

Part V of NPDES General Permit ALR040004 issued to the Jacksonville MS4 outlines the monitoring, recordkeeping, and reporting requirements.

2.1 Annual Reports

Annual reports are due to the ADEM by March 31 of each year. The Annual Report must cover the year prior to the submittal date (April 1 through March 31) and is required to include the following:

1. The status of the Permittee's compliance with permit conditions
2. An assessment of the appropriateness of the BMPs identified in the SWMP
3. Progress towards achieving the goal of reducing pollutants to the maximum extent practicable (MEP)
4. Measurable goals for each of the minimum control measures
5. Results of information collected and analyzed during the reporting period
6. A summary of storm water activities the Permittee plans to undertake during the next reporting cycle
7. A implementation schedule for the planned storm water activities
8. Proposed changes to the SWMP
9. Notice of reliance on another government entity to satisfy permit obligations

10. All monitoring results collected during the reporting period

2.2 Recordkeeping

The following records must be maintained and will be made available for examination. Records will be retained for a minimum period of at least three (3) years from the data of the sample, measurement, report, or application or for the term of the NPDES General Permit, whichever is longer.

The following is a list of records to be retained:

- Copies of all reports required by the permit
- Copies of monitoring reports
- Copy of the NPDES General Permit
- Copy of the Notice of Intent
- Employee training records

3. PUBLIC EDUCATION AND OUTREACH

The following section details the current implementation status of the minimum control measure, activities conducted during the current reporting period, planned activities for the upcoming reporting period, requested changes to the provisions of the SWMP, and the party responsible for implementing each minimum control measure.

3.1 2015 to 2016 Implementation Status

During the April 1, 2015 to March 31, 2016 reporting period, the City of Jacksonville completed five (5) of the five (5) Public Education and Outreach strategies identified in the SWMP.

The City of Jacksonville also completed eleven (11) additional strategies not identified in the SWMP. These additional strategies included:

- Strategy No. 6 (Personnel) – Hired Mark Stephens as Planning, Development & Stormwater Director. He holds a B. S. Degree in Civil Engineering and is a CPESC (No. 5132).
- Strategy No. 7 (Attend Educational Seminars) – Mark Stephens attended the 27th Annual Nonpoint Source Conference on January 20, 2015.

- Strategy No. 7a (Attend Educational Seminars) – Mark Stephens attended the Clear Water Alabama Seminar September 2-3, 2015
- Strategy No. 7b (Attend Educational Seminars) – Mark Stephens attended the Clean Water Partnership Conference on December 9, 2015.
- Strategy No. 7c (Attend Educational Seminars) – Mark Stephens attended the Coosa River State of Our Watershed Conference on October 8, 2015.
- Strategy No. 7d (Attend Educational Seminars) – Mark Stephens attended the 2nd Annual Gadsden –Etowah MS4 Conference on April 15, 2015.
- Strategy No. 7e (Attend Educational Seminars) – Mark Stephens and Mark Williams (Building Inspector and Floodplain Administrator) attended the Resilience Meeting for the Middle Coosa Watershed on February 16, 2016.
- Strategy No. 7f (Attend Educational Seminars) – Stanley Carr (Street and Sanitation Superintendent) and Constance Nations (Street and Sanitation Records Clerk) attended the 3rd Annual Alabama Recycling Coalition Conference Expo July 15-17, 2015.
- Strategy No. 8 (Obtain Stormwater Related Certifications) – Stanley Carr and Constance Nation obtained certification as a Certified Municipal Separate Storm Sewer System Specialist on June 18, 2015. Stanley Carr attended a CPESC Exam review course on June 10, 2015.
- Strategy No. 9 (Partnerships) – The City (Mark Stephens) participates in the Calhoun County Stormwater Cooperative. The City participated with the cooperative on an educational poster at the Alabama Clean Water Partnership watershed conference on December 9, 2015. Mark Stephens is a member of the Soil and Water Conservation Society.
- Strategy No. 10 (Storm Water Management Program Advertisement) – Mark Stephens designed a logo for the City’s Storm Water Management Program and for the Calhoun County Stormwater Cooperative to allow for identification and recognition.

A table identifying each Public Education and Outreach strategy planned for the 2015-2016 reporting period, a description of actions taken by the City of Jacksonville, and a brief description of activities planned for the 2016-2017 reporting period is provided in **Appendix B**. Supporting documentation is included in **Appendix C**.

3.2 Proposed Activities for the April 1, 2016 to March 31, 2017 Reporting Period

The City will implement the following strategies as part of their Public Education and Outreach Program. To evaluate the success of the program and aid in preparing the 2016-2017 Annual Report, evaluation criteria have been established for each strategy.

Strategy 1. Distribution of Storm Water Educational Material

The City will develop and distribute storm water education material to various public locations (e.g., the public library, city hall, community center, schools, civic groups, and commercial businesses). Educational materials may:

- Introduce the MS4 to the general public
- Discuss the storm water cycle and how common contaminants enter the storm water system
- Educate households and businesses about proper and improper use, storage, and disposal of common household chemicals such as herbicides, pesticides, and fertilizers
- Explain how the improper use of chemicals can impact storm water quality
- Explain what individual households and businesses can do to reduce storm water pollutants
- Provide information on additional resources pertaining to storm water and storm water pollution
- Provide information on storm water contacts within the City of Jacksonville and information on reporting potential storm water violations

Evaluation Criteria: The City will report the number of educational materials distributed at each location during the reporting period and how often the materials needed to be replenished. This information will indicate the number of people who received educational materials.

Strategy 2. Municipal Drop-Off Day

The City will establish and advertise at least one municipal drop-off day during the reporting period for the community to dispose of electronics, used oil, paint, antifreeze, and pesticides. The City will distribute educational materials to participants on how storm water can be impacted by improper use, storage, and disposal of the accepted drop-off materials. A drop-off day will be scheduled as part of “Take Pride in Jacksonville Day” events.

Evaluation Criteria: The City will report how the program was advertised, the number of participants, and the amount of material collected during the reporting period. This information will indicate the number of people who received educational materials and will help measure the public awareness of the event and degree of public participation.

Strategy 3. Storm Drain Marking Program

The City will partner with the Calhoun County Master Gardeners or another civic or community group to continue to implement a storm drain marking program. Educational materials will be distributed to homeowners and businesses located in the area of the placement of storm drain placards. Pre-printed materials will address the following topics:

- Explain how individual households and businesses can reduce storm water pollutants.
- Provide information on additional resources pertaining to storm water and storm water pollution.
- Provide information on storm water contacts within the City of Jacksonville and information on reporting potential storm water violations.

Evaluation Criteria: The City will report the number of storm drain placards placed and the number of households and/or businesses visited during the reporting period. The City will determine and report if any identified illicit discharges are detected in areas where storm drain placards are placed. This information will help measure the public awareness of the program.

Strategy 4. Plan Review and Permitting

The City will educate engineers, developers, and contractors through plan review and permitting of new construction and development. Pre-printed information on how construction site runoff can impact storm water quality will be provided to individuals requesting plan review and building/development permits.

Evaluation Criteria: The City will report the total number of building/development permits issued during the reporting period. This information will indicate the number of people who received educational materials.

Strategy 5. Community Festival or Farmer's Market

The City will staff at least one community festival or farmer's market to distribute educational materials. Pre-printed outreach materials and/or displays may:

- Introduce the MS4 to the general public
- Discuss the storm water cycle and how common contaminants enter the storm water system
- Educate households and businesses about proper and improper use, storage, and disposal of common household chemicals such as herbicides, pesticides, and fertilizers
- Explain how the improper use of chemicals can impact storm water quality

- Explain what individual households and businesses can do to reduce storm water pollutants
- Provide information on additional resources pertaining to storm water and storm water pollution
- Provide information on storm water contacts within the City of Jacksonville and information on reporting potential storm water violations

Evaluation Criteria: The City will report the estimated number of people that visit the City booth at the community festival or farmers market. The City will also report the number of educational materials distributed at the event. This information will indicate the number of people who received educational materials or inquired about the program by visiting the booth.

3.3 Changes

The City of Jacksonville requests a change to Section 3 (Public Education and Outreach) in the SWMP. This change revises the responsible party in Section 3.4. See Section 1.6 in this annual report for requested changes to the SWMP.

3.4 Responsible Party

The Planning, Development & Stormwater Director is responsible for coordinating and tracking the City's participation in both individual and joint outreach efforts.

4. PUBLIC INVOLVEMENT AND PARTICIPATION

The following section details the current implementation status of the minimum control measure, activities conducted during the current reporting period, planned activities for the upcoming reporting period, requested changes to the provisions of the SWMP, and the party responsible for implementing each minimum control measure.

4.1 2015 to 2016 Implementation Status

During the April 1, 2015 to March 31, 2016 reporting period, the City of Jacksonville completed six (6) of the six (6) Public Involvement and Participation strategies identified in the SWMP.

The City of Jacksonville also completed six (6) of the seven (7) additional strategies not identified in the SWMP. These additional strategies included:

- Strategy No. 7 (Jacksonville Tree Commission will have a Tree Giveaway on February 26, 2016) – Tree Commission, Calhoun County Beautification Board, and the JSU Tree Advisory Committee held the event on February 26, 2016.
- Strategy No. 8 (Care of public trees and public education of benefits of trees.) – Jacksonville Tree Commission continues to be responsible for care of the City's public trees in parks, municipal land, and roadsides and educating residents about the benefits of City trees.
- Strategy No. 9 (Community Cleanup Day) – The City supported the Mill Village cleanup days on May 9, 2015, and October 10, 2015. The City provided garbage and trash collection.
- Strategy No. 11 (Electronics recycling event (County-wide)) – This event on April 24, 2015 was presented by the Calhoun County Chamber Community Improvement Committee for all Calhoun County residents.
- Strategy No. 12 (Landfill Open House (County-wide)) – This is a free event held on the 3rd Saturday of various months sponsored by the Calhoun County Commissioners for all Calhoun County Residents.
- Strategy No. 13 (Contact individuals or businesses that have miscellaneous erosion and sedimentation issues on their property.) – Contacted and met with individuals or businesses to discuss issues and provide them with suggestions and guidance for correcting issues

A table identifying each Public Involvement and Participation strategy planned for the 2015-2016 reporting period, a description of actions taken by the City of Jacksonville, and a brief description of activities planned for the 2016-2017 reporting period is provided in **Appendix B**. Supporting documentation is included in **Appendix C**.

4.2 Proposed Activities for the April 1, 2016 to March 31, 2017 Reporting Period

The City will implement the following strategies as part of their Public Involvement and Participation Program. To evaluate the success of the program and aid in preparing the 2016-2017 Annual Report, evaluation criteria have been established for each strategy.

Strategy 1. Storm Drain Marking Program

The City will continue to implement a storm drain labeling program. The program may utilize civic groups, Master Gardeners, Jacksonville State University, and/or local schools.

Evaluation Criteria: The City will report the number of storm drain placards installed during the reporting period, the number of remaining drains to be marked, and the number of volunteers involved with the program during the reporting period. The City will determine and report if identified illicit discharges are detected in areas where storm drain placards were placed. This information will help measure the public awareness of the program.

Strategy 2. Municipal Drop-Off Day

The City will establish and advertise at least one municipal drop-off day for the community to dispose of electronics, used oil, paint, antifreeze, and pesticides. Currently, a drop-off day will be scheduled as part of “Take Pride in Jacksonville Day” events.

Evaluation Criteria: The City will report how the program was advertised, the number of participants, and the amount of material collected during the reporting period. This information will help measure the public awareness of the event and degree of public participation.

Strategy 3. Curbside Recycling Program

The City currently has a City-wide curbside recycling program. The City will promote the program and encourage citizens to participate. The City will be responsible for picking up the recycling materials and disposing of them in the appropriate manner.

Evaluation Criteria: The City will report how the program was advertised, the number of curbside day pickups per year, and the number of participants in the program. If available, the City will report the amount of material collected during the reporting period. This information will help measure the public awareness of the program and degree of public participation.

Strategy 4. Community Arbor Day Celebration

The City will coordinate and advertise an annual community Arbor Day celebration. The City will distribute educational materials to event participants.

Evaluation Criteria: The City will report how the celebration was advertised, activities involved in the celebration, and the number of participants. This information will help measure the public awareness of the celebration and degree of public participation.

Strategy 5. Reporting System for Storm Water Complaints

The City will continue to receive complaints regarding non-compliant construction sites, illicit discharges (including spills or illegal dumping), impaired waterways, and violations of ordinances relating to storm water pollution at the Street Department phone number. The existing reporting number will be publicized on the educational materials distributed through Public Education and Outreach Strategies. The reporting number will also be publicized on the City website.

Evaluation Criteria: The City will report the total number of complaints received during the reporting period. This information will help measure the effectiveness of the reporting system, as well as public awareness and concern of construction storm water issues.

Strategy 6. Tracking System for Storm Water Complaints

Until an alternate system can be implemented, the City will continue to use the existing Work Order and Complaint forms. The forms will be used to log complaints regarding non-compliant construction sites, illicit discharges (including spills or illegal dumping), impaired waterways, and violations of ordinances relating to storm water pollution as they are called in and to ensure the complaints are addressed.

Evaluation Criteria: If an alternative tracking system is implemented, the City will provide details on the selected tracking method. The City will also report the total number of complaints received, the number of complaints addressed, and the number of complaints resolved during the reporting period. This information will help measure the effectiveness of the tracking system.

4.3 Changes

The City of Jacksonville requests a change to Section 4 (Public Involvement and Participation) in the SWMP. This change revises the responsible party in Section 4.4. See Section 1.6 in this annual report for requested changes to the SWMP.

4.4 Responsible Party

The Planning, Development & Stormwater Director is responsible for coordinating and tracking the City's participation in both individual and joint outreach efforts with community stakeholders.

5. ILLICIT DISCHARGE DETECTION AND ELIMINATION

The following section details the current implementation status of the minimum control measure, activities conducted during the current reporting period, planned activities for the upcoming reporting period, requested changes to the provisions of the SWMP, and the party responsible for implementing each minimum control measure.

5.1 2015 to 2016 Implementation Status

During the April 1, 2015 to March 31, 2016 reporting period, the City of Jacksonville completed nineteen (19) of the twenty (20) Illicit Discharge Detection and Elimination strategies identified in the SWMP.

The City of Jacksonville did not complete the stream walking program (strategy No. 3). The City will complete this strategy during the next reporting period.

A table identifying each Illicit Discharge Detection and Elimination strategy planned for the 2015-2016 reporting period, a description of actions taken by the City of Jacksonville, and a brief description of activities planned for the 2016-2017 reporting period is provided in **Appendix B**. Supporting documentation is included in **Appendix C**.

5.2 Proposed Activities for the April 1, 2016 to March 31, 2017 Reporting Period

The City will implement the following strategies as part of their Illicit Discharge Detection and Elimination Program. To evaluate the success of the program and aid in preparing the 2016-2017 Annual Report, evaluation criteria have been established for each strategy.

Strategy 1. Illicit Discharge Potential Assessment to Identify Priority Areas

The City will complete the initial IDP calculations to identify Priority Areas prior to the start of the next reporting period. Priority Areas will be identified using the procedures detailed in Section 3 of the IDDE Program. The City will maintain records of the illicit discharge potential calculations for each drainage basin.

Evaluation Criteria: The City will report the total IDP score for each drainage basin and will provide an updated map of identified Priority Areas. The City will report drainage basins that are newly listed or de-listed from the previous reporting year's calculations.

Strategy 2. Probable Outfall Verification

The City will verify probable outfalls through field observation within 12 months of being added to the GIS database. The implementation process is detailed in Section 4 of the IDDE Program.

Evaluation Criteria: The City will maintain records of field observations. The City will report the number of outfalls confirmed and added to the GIS database during the reporting period. The City will also report the number of additional probable outfalls that were identified. The City will provide updated tables and maps that include the verified outfalls, as well as probable outfalls that are planned to be verified in the following reporting period.

Strategy 3. Outfall Identification

The City will implement a stream-walking program designed to identify previously unknown outfalls to the MS4. The City plans to complete approximately 12 miles of stream-walking during each reporting period. The implementation process is detailed in Section 4 of the IDDE Program.

Evaluation Criteria: The City will maintain records of field observations. The City will report the number of outfalls identified and the stream length walked during the reporting period. The City will provide updated tables and maps that include the outfalls identified by the stream-walking program.

Strategy 4. Outfall Reconnaissance Inventory

During the reporting period, the City or subcontracted crews will conduct dry weather monitoring of outfalls in Priority Areas. The City will also inspect the outfalls located outside Priority Areas. The implementation process is detailed in Section 7 of the IDDE Program.

Evaluation Criteria: The City will maintain records of field observations. The City will report the number of outfalls inspected during the reporting period. The City will also provide a summary of the results of outfall reconnaissance inventory activities conducted during the reporting period.

Strategy 5. Suspect Discharge Sampling

If a dry weather flow has a severity index of 3 on one or more indicators in Section 4 of the Outfall Reconnaissance Inventory Field Sheet, or if field screening indicates a suspect discharge, field crews will collect samples for further analysis. The implementation process is detailed in Section 7 of the IDDE Program.

Evaluation Criteria: The City will report the number of identified dry weather flows, suspect discharges, and samples collected during the reporting period. The City will report the analysis results for the collected samples. The City will report if the suspect discharge was confirmed to be an illicit discharge, the type of illicit discharge, if a source was determined, and if the source was eliminated.

Strategy 6. Outfall Designation

Data from each Outfall Reconnaissance Inventory Field Sheet will be analyzed to designate the observed outfall as having obvious, suspect, possible, or unlikely discharge potential. Obvious and suspect illicit discharges will be investigated within 5 and 7 days, respectively. Possible illicit discharges will be investigated within 14 days. The implementation process is detailed in Section 7 of the IDDE Program in Appendix D.

Evaluation Criteria: The City will report the ranking of each outfall inspected during the reporting period. The City will report the number of outfalls that required further investigation.

Strategy 7. Illicit Discharge Investigation

Illicit discharge investigations will be performed to determine the source of an obvious, suspect, or possible illicit discharge. The implementation process is detailed in Section 7 of the IDDE Program in Appendix D.

Evaluation Criteria: The City will report the number of illicit discharge investigations performed during the reporting period. The City will also report the number of confirmed illicit discharges.

Strategy 8. Corrective Action Record Keeping

When a suspect illicit discharge or illicit connection is identified, a case log detailing pertinent information will be created. Throughout the investigation and corrective action activities, all information related to the incident or property in question will be documented in the case log.

Evaluation Criteria: The City will maintain records of the correction actions. The City will report the number of confirmed illicit discharges and the number of illicit discharges corrected or eliminated during the reporting period. The City will also report the number of confirmed illicit discharges where corrective action is pending.

Strategy 9. Update Storm Sewer GIS Map – Existing Features

Existing storm drain features such as ditches or swales will be mapped using both aerial photography and field observations. The implementation process is further discussed in Section 5 of the IDDE Program.

Evaluation Criteria: The City will provide an updated Storm Sewer Map showing the features added during the reporting period.

Strategy 10. Update Storm Sewer GIS Map – Future Additions

Proposed additions to the Jacksonville MS4, including new storm sewer and drainage ditches, will be mapped based on the civil plans provided to the City. Outfalls from proposed development will be verified after construction is complete. The implementation process is further discussed in Section 5 of the IDDE Program.

Evaluation Criteria: The City will report the number of civil plans provided to the City and the number of verified new features or outfalls during the reporting period. The City will provide an updated Storm Sewer Map showing the features added during the reporting period.

Strategy 11. Evaluate IDDE Ordinance

The City will evaluate Article IV (Illicit Discharge and Connection Ordinance) in Chapter 12 (Floods) of the City of Jacksonville Municipal Code by December 31, 2015. If updates are required, the City will amend the existing ordinance or prepare a new ordinance.

Evaluation Criteria: The ordinance will be evaluated on its effectiveness in addressing identified illicit discharges and preventing repeat offenders. The City will report the number of illicit discharges identified during the reporting period, the number of resolved violations, the number of repeat offenders, and number of complaints received.

Strategy 12. Distribute Educational Materials

The City or subcontracted personnel will distribute educational materials highlighting identification and reporting of potential illicit discharges to various public locations (e.g., the public library, city hall, community center, schools, civic groups, and commercial businesses). Educational materials may:

- Explain what an illicit discharge is and how it can be detected
- Discuss the storm water cycle and how common contaminants enter the storm water system

- Educate households and businesses about proper and improper use, storage, and disposal of common household chemicals such as herbicides, pesticides, and fertilizers and how the improper use of chemicals can impact storm water quality
- Explain what individual households and businesses can do to reduce storm water pollutants
- Provide information on storm water contacts within the City of Jacksonville and information on reporting potential storm water violations.

Evaluation Criteria: The City will report the number of educational materials distributed at each location during the reporting period and how often the materials needed to be replenished. This information will indicate the number of people who received educational materials.

Strategy 13. Municipal Drop-Off Day

The City will establish and advertise at least one municipal drop-off day during each reporting period for the community to dispose of electronics, used oil, paint, antifreeze, and pesticides. The City will distribute educational materials to participants on how storm water can be impacted by improper use, storage, and disposal of the accepted drop-off materials. Currently, a drop-off day will be scheduled for as part of “Take Pride in Jacksonville Day” events.

Evaluation Criteria: The City will report how the program was advertised, the number of participants, and the amount of material collected during the reporting period. This information will help measure public awareness of the event and the degree of public participation.

Strategy 14. Storm Drain Marking Program

The City will partner with civic groups or other community organizations to implement a storm drain marking program. Educational materials will be distributed to homeowners and businesses located in the area of the placement of storm drain placards. Pre-printed materials will address the following topics:

- Explain what individual households and businesses can do to reduce storm water pollutants
- Provide information on additional resources pertaining to storm water and storm water pollution

- Provide information on storm water contacts within the City of Jacksonville and information on reporting potential storm water violations

Evaluation Criteria: The City will report the number of storm drain placards placed during the reporting period, the estimated number of remaining drains to be marked, and the number of volunteers involved with the program during the reporting period. The City will report the number of illicit discharge complaints received during the reporting period in areas where storm drain placards were placed. This information will help measure the effectiveness of the storm drain markings and public education materials.

Strategy 15. Reporting System for Storm Water Complaints

The City will continue to receive complaints for illicit discharges (including spills or illegal dumping), impaired waterways, and violations of ordinances relating to storm water pollution at the Street Department phone number. The existing reporting number will be publicized on the educational materials distributed through Public Education and Outreach Strategies. The reporting number will also be publicized on the City website.

Evaluation Criteria: The City will report the total number of complaints received during the reporting period. This information will help measure the effectiveness of the reporting system, as well as public awareness and concern of storm water issues.

Strategy 16. Tracking System for Storm Water Complaints

Until an alternate system can be implemented, the City will continue to use the existing Work Order and Complaint forms. The forms will be used to log complaints as they are called in and to ensure the complaints are addressed.

Evaluation Criteria: If an alternative tracking system is implemented, the City will provide details on the selected tracking method. The City will also report the total number of complaints received, the number of complaints addressed, and the number of complaints resolved during the reporting period. This information will help measure the effectiveness of the tracking system.

Strategy 17. Municipal Training

City municipal workers will be trained in the identification of illicit discharges and the procedures for reporting them within the City organization, as well as the prevention of storm water pollution at municipal facilities or related to municipal

activities. Specific municipal operations such as fueling, vehicle maintenance, vehicle washing, paint and paint waste storage and disposal, and used oil disposal may be addressed.

Evaluation Criteria: The City will provide details on the training topics presented to municipal workers. The City will maintain attendance records and report the number of municipal workers trained during the reporting period. This information will help gauge the municipal workers awareness of illicit discharges and storm water issues.

Strategy 18. NPDES Permit Program

Unpermitted regulated facilities will be reported to the Industrial Permits Section of ADEM.

The City of Jacksonville continues to rely on ADEM for industrial NPDES permitting and enforcement.

Evaluation Criteria: The City will provide the number of unpermitted facilities reported to ADEM during the reporting period, if any. This information will help measure the effectiveness of the land use evaluations.

5.3 Changes

The City of Jacksonville requests a change to Section 6 (Illicit Discharge Detection and Elimination) in the SWMP. This change revises the responsible party in Section 5.10. See section 1.6 in this annual report for requested changes to the SWMP.

5.4 Responsible Party

The Planning, Development & Stormwater Director is responsible for implementing, tracking, and enforcing the strategies of the IDDE program.

6. CONSTRUCTION SITE STORM WATER RUNOFF

The following section details the current implementation status of the minimum control measure, activities conducted during the current reporting period, planned activities for the upcoming reporting period, requested changes to the provisions of the SWMP, and the party responsible for implementing each minimum control measure.

6.1 2015 to 2016 Implementation Status

During the April 1, 2015 to March 31, 2016 reporting period, the City of Jacksonville accomplished nine (9) of the nine (9) Construction Site Storm Water Runoff strategies identified in the SWMP.

The City of Jacksonville also completed two (2) additional strategies not identified in the SWMP. These additional strategies included:

- Strategy No. 10 (Subdivision Regulations) – The City has made changes to the Subdivision Regulations to incorporate provisions for routine maintenance, nonroutine maintenance, and inspections.
- Strategy No. 11 (Require builders of individual residential homes to acknowledge that the site may qualify for coverage under the Alabama Construction Permit (ALG10)) – The City created a document to be signed by the builder acknowledging that a permit may be required.

A table identifying each Construction Site Storm Water Runoff strategy planned for the 2015-2016 reporting period, a description of actions taken by the City of Jacksonville, and a brief description of activities planned for the 2016-2017 reporting period is provided in **Appendix B**. Supporting documentation is also included in **Appendix C**.

6.2 Proposed Activities for the April 1, 2016 to March 31, 2017 Reporting Period

The City will implement the following strategies as part of the Construction Site Storm Water Runoff Control Program. To evaluate the success of the program and aid in preparing the 2016-2017 Annual Report, evaluation criteria have been established for each strategy.

Strategy 1. Erosion and Sediment Control Ordinance

The City will review Article III (Stormwater Run-Off Management) of Chapter 12 (Floods) in the Jacksonville, Alabama Municipal Code during each reporting period. If updates are required, the City will amend the existing ordinance or prepare a new ordinance.

Evaluation Criteria: The ordinance will be evaluated on its effectiveness in addressing erosion and sediment control. The City will report the number of permits issued, the number of identified ordinance violations, the number of resolved ordinance violations, the number of repeat offenders, and number of reported complaints.

Strategy 2. Require Qualifying Sites to Obtain NPDES Construction Permits

Section 12-105 of Chapter 12, Article III requires construction sites greater than one acre in size to provide proof of coverage under the Alabama Construction General Permit (ALG10) prior to approval by the Planning Commission. The ALG10 permit, in turn, requires that BMPs be designed and implemented in accordance with Alabama Handbook for Erosion Control, Sediment Control, and Stormwater Management on Construction Sites and Urban Areas.

The City will continue to require proof of NPDES coverage for qualifying sites seeking a building or development permit.

Evaluation Criteria: The City will report the number of plans reviewed, accepted, or rejected during the reporting period.

Strategy 3. Construction Site Inspections

The City currently relies on the Planning and Building Department and the Building Inspector to evaluate erosion and sediment controls at construction sites. The Building Inspector will inspect qualifying construction sites on a monthly basis or after a qualifying rain event. The inspection activities will be prioritized based on permittees that have had erosion and sediment control violations in the past and on the size of the property.

Evaluation Criteria: The City will report the total number of construction sites inspected during the reporting period, the total number of violations, and number of resolved violations.

Strategy 4. Stormwater Management Plan Review

The City will continue to review stormwater management plans submitted to the Planning Commission. Plan review will ensure proposed projects adequately address the City's erosion, sediment, and pollution control requirements. Plan review will also take into consideration what potential impacts to water quality the project may have.

Evaluation Criteria: The City will report the total number of plans reviewed and the number of plans approved or rejected during the reporting period.

Strategy 5. BMP Training Program

City personnel tasked with plan review and/or conducting BMP inspections will undergo annual training on proper design, installation, inspection, and maintenance of on-site control measures and on new technology and practices.

The Planning Commission will employ a formal training program for all inspectors and reviewers.

Evaluation Criteria: The City will provide records of awareness training received during the reporting period.

Strategy 6. Obtain QCI Certification

The Building Inspector is currently the only construction site inspector. The Building Inspector will undergo Qualified Credentialed Inspector (QCI) training. QCI certification will be maintained through an approved annual refresher course.

Evaluation Criteria: The City will provide a copy of the QCI certificate and records of training received during the reporting period.

Strategy 7. Reporting System for Erosion and Sedimentation Complaints

The City will continue to receive complaints regarding erosion and sediment control violations at the Street Department phone number. The existing reporting number will be publicized on the educational materials distributed through Public Education and Outreach Strategies. The reporting number will also be publicized on the City website.

Evaluation Criteria: The City will report the total number of complaints received during the reporting period. This information will help measure the effectiveness of the reporting system, as well as public awareness and concern of construction storm water issues.

Strategy 8. Tracking System for Erosion and Sedimentation Complaints

Until an alternate system can be implemented, the City will continue to use the existing Work Order and Complaint forms. The forms will be used to log and track complaints regarding erosion and sediment control violations as they are called in and to ensure the complaints are addressed.

Evaluation Criteria: If an alternative tracking system is implemented, the City will provide details on the selected tracking method. The City will also report the total number of complaints received, the number of complaints addressed, and the number of complaints resolved during the reporting period. This information will help measure the effectiveness of the tracking system.

Strategy 9. Notify ADEM of Non-Compliant Sites

The City will notify the ADEM of any construction site where a possible violation of the Clean Water Act has occurred. Possible violations may include, but are not limited to, releases of sediment to a water of the State or failure to initiate corrective actions following an inspection by the City.

The City of Jacksonville continues to rely on the ADEM for construction NPDES permitting and enforcement.

Evaluation Criteria: The City will report the total number of non-compliant construction sites reported to ADEM during the reporting period.

6.3 Changes

The City of Jacksonville requests a change to Section 6 (Construction Site Storm Water Runoff) in the SWMP. This change revises the responsible party in Section 6.4. See Section 1.6 in this annual report for requested changes to the SWMP.

6.4 Responsible Party

On February 24, 2014, the City adopted Ordinance O-562-14 which amended Ordinances O-546-13, O-547-13, and O-555-14 creating Section H (Enforcement). The amendment states that the provisions of Chapter 12 (Floods) shall be administered and enforced by the Building Inspector or his duly appointed representative.

The Planning, Development & Stormwater Director is responsible for implementing and tracking the Construction Site Storm Water Runoff.

7. POST-CONSTRUCTION STORM WATER MANAGEMENT

The following section details the current implementation status of the minimum control measure, activities conducted during the current reporting period, planned activities for the upcoming reporting period, requested changes to the provisions of the SWMP, and the party responsible for implementing each minimum control measure.

7.1 2015 to 2016 Implementation Status

During the April 1, 2015 to March 31, 2016 reporting period, the City of Jacksonville accomplished two (2) of the three (3) Post-Construction Storm Water Management strategies identified in the SWMP.

The City of Jacksonville did not complete the development and implementation of a Long-Term Maintenance of Stormwater Controls Ordinance (Strategy 3), The City will complete this strategy during the next reporting period.

A table identifying each Post-Construction Storm Water Management strategy planned for the 2015 to 2016 reporting period, a description of actions taken by the City of Jacksonville, and a brief description of activities planned for the 2016 to 2017 reporting period is provided in **Appendix B**. Supporting documentation is included in **Appendix C**.

7.2 Proposed Activities for the April 1, 2016 to March 31, 2017 Reporting Period

The City will implement the following strategies as part of their Post-Construction Storm Water Management Program. To evaluate the success of the program and aid in preparing the 2016-2017 Annual Report, evaluation criteria have been established for each strategy.

Strategy 1. Reducing Post-Construction Runoff Volume

The City will review Chapter 12 (Floods), Article III (Stormwater Run-Off Management) in the Jacksonville, Alabama Municipal Code during each reporting period. If updates are required, the City will amend the existing ordinance or prepare a new ordinance.

Evaluation Criteria: The ordinance will be evaluated on its effectiveness in reducing runoff from new development or redevelopment. The City will report the number of plans reviewed and the number of permits issued during the reporting period.

Strategy 2. Reducing Pollutants from Development

The City will review Article IV (Illicit Discharge and Connection Ordinance) in Chapter 12 (Floods) of the City of Jacksonville Municipal Code during each reporting period. If updates are required, the City will amend the existing ordinance or prepare a new ordinance.

Evaluation Criteria: The ordinance will be evaluated on its effectiveness in reducing pollution in runoff from new development or redevelopment. The City will report the number of plans reviewed and the number of permits issued during the reporting period.

Strategy 3. Long-term Maintenance of Storm Water Controls

The City of Jacksonville Ordinance Number O-546-13 established Chapter 12 (Floods), Article III (Stormwater Run-Off Management) in the Jacksonville, Alabama Municipal Code does not currently require long-term maintenance of

storm water control structures. The City will develop (including modification of current ordinance) and implement an ordinance during each reporting period in accordance with NPDES General Permit ALR040004.

Once adopted, this ordinance will be evaluated annually and a summary of the evaluation incorporated into the annual report.

Evaluation Criteria: The ordinance will be evaluated on its effectiveness in addressing long-term maintenance of storm water controls. The City will report the number of plans reviewed during the reporting period that included provisions for long-term maintenance.

7.3 Changes

The City of Jacksonville requests a change to Section 7 (Post-Construction Storm Water Management) identified in the SWMP. This change revises the responsible party in Section 7.4. See section 1.6 in this annual report for requested changes to the SWMP.

7.4 Responsible Party

The Planning, Development & Stormwater Director is responsible for implementing and tracking the Post-Construction Storm Water Management.

8. POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

The following section details the current implementation status of the minimum control measure, activities conducted during the current reporting period, planned activities for the upcoming reporting period, requested changes to the provisions of the SWMP, and the party responsible for implementing each minimum control measure.

8.1 2015 to 2016 Implementation Status

During the April 1, 2015 to March 31, 2016 reporting period, the City of Jacksonville accomplished nine (9) of the nine (9) Pollution Prevention and Good Housekeeping strategies identified in the SWMP.

The City of Jacksonville also completed four (4) additional strategies not identified in the SWMP. These additional strategies included:

- Strategy No. 7 (Outreach to other MS4 municipalities) – The City (Mark Stephens) participates in the Calhoun County Stormwater Cooperative and reaches out to various members of the Gadsden-Etowah MS4 entities where participants discuss their programs, obstacles, and successes.
- Strategy No. 8 (Establish a Pollution Prevention/Good Housekeeping Program) – The City established Resolution No R-1854-15: To Establish a Pollution Prevention / Good Housekeeping for Municipal Operations Program. Various City departments continue to implement this program.
- Strategy No. 9 (Planning, Development & Stormwater Director) – Hired Mark Stephens as Planning, Development & Stormwater Director. He holds a B. S. Degree in Civil Engineering and is a CPESC (No. 5132).
- Strategy No. 10 (Attend Educational Seminars) – Various City staff attended seminars, conferences and meetings in order to gain knowledge that will benefit protection of stormwater due to municipal operations.

A table identifying each Pollution Prevention and Good Housekeeping strategy planned for the 2015-2016 reporting period, a description of actions taken by the City of Jacksonville, and a brief description of activities planned for the 2016-2017 reporting period is provided in **Appendix B**. Supporting documentation is included in **Appendix C**.

8.2 Proposed Activities for the April 1, 2016 to March 31, 2017 Reporting Period

The City will implement the following strategies as part of their Pollution Prevention and Good Housekeeping Program for municipal operations. To evaluate the success of the program and aid in preparing the 2016-2017 Annual Report, evaluation criteria have been established for each strategy.

Strategy 1. Municipal Employee Training

The City will continue to implement a training program that focuses on pollution prevention, good housekeeping measures, identification of potential illicit discharges, and other potential threats to storm water quality. Training materials will include information on vehicle, roadway, and building maintenance, herbicides, pesticides, and street cleaning. Educational materials distributed through Public Education and Outreach Strategies will be provided to the attendees. The training will also include a summary of City activities associated with Public Education and Outreach Strategies.

Evaluation Criteria: The City will provide details on the training topics presented to municipal workers during the reporting period. The City will keep attendance records and report the number of municipal workers trained during the reporting period. This information will help measure the municipal workers awareness of storm water issues.

Strategy 2. Municipal Vehicle Maintenance Program

The City will continue to conduct routine maintenance inspections of municipal vehicles and will inspect vehicles for the presence of fluid leaks during routine maintenance. The City will continue to implement an inspection log to document identified problems. The City will promptly repair vehicles determined to have leaks. Vehicle washing will be performed only in designated areas.

Evaluation Criteria: The City will provide a copy of the inspection log for the reporting period with the Annual Report. The City will report the frequency of inspections and the number of vehicle or equipment leaks identified during the reporting period as a result of the inspection program. The City will also report the number of designated municipal vehicle washing areas. This information will help measure the effectiveness of the vehicle inspection and maintenance program.

Strategy 3. Pesticide Applications

The City currently uses various pesticides (insecticides and herbicides) to control insect pests and unwanted vegetation. To ensure that pesticide applications do not contribute to negative water quality, applicators will have current certifications (if required) and City personnel will review all areas where pesticides are to be used to reduce potential impact to waterways. The City will comply with pesticide application and disposal regulations.

Evaluation Criteria: The City will describe how they ensure pesticide applicators have current certifications (if required) and will maintain a copy of the current certification. The City will report the number of areas where it was determined pesticides impacted waterways during the reporting period, if any, and how the impact was resolved. This information will help measure the effectiveness of the City's review.

Strategy 4. Street Sweeping Program

The City currently performs street sweeping of primary and secondary streets as a method of reducing sediment and pollutants from roadways, and will continue to implement a street sweeping program.

Evaluation Criteria: The City will describe how roads are prioritized. The City will also report the number of scheduled road cleanings, the number of roads that are swept each month, and pounds of debris collected from street sweeping during the reporting period. This information will help measure the effectiveness of the street sweeping program.

Strategy 5. Leaf Collection / Trash and Brush Pickup Program

The City currently uses a leaf machine to collect leaves once they begin to fall until end of April. Residents must place a work order to have loose grass clippings picked up. Grass and/or leaves may be bagged throughout the year and place on the curb on regular trash collection day. The City will continue to implement a street sweeping program.

Evaluation Criteria: The City will report the number of work orders received by residents and the pounds of debris collected during the reporting period. This information will help measure the effectiveness of the leaf collection / trash and brush pickup program.

Strategy 6. Municipal Facility BMP Plans

Individual City departments will maintain operation and/or best management practices plans outlining procedures that are protective of storm water.

Evaluation Criteria: The City will report where plans are stored and if new plans are established during the reporting period. This information will help measure the awareness and concern of storm water issues throughout the municipal operations.

8.3 Changes

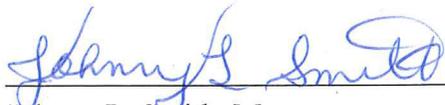
The City of Jacksonville requests one change to the Pollution Prevention and Good Housekeeping strategies identified in the SWMP. This change revises the responsible party in Section 8.4. See Section 1.6 in this annual report for requested changes to the SWMP.

8.4 Responsible Party

The Planning, Development & Stormwater Director is responsible for implementing and tracking Pollution Prevention and Good Housekeeping for municipal operations.

9. AGENCY CERTIFICATION

I certify under penalty of law that this Annual Report and all attachments pertaining to the City of Jacksonville Municipal Separate Storm Sewer System 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, 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 or imprisonment for knowing violations.



Johnny L. Smith, Mayor
City of Jacksonville, Alabama



Date