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MAYOR

REBECCA HAYES
CITY CLERK

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RANDY FRY
DISTRICT 4

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DISTRICT 5

ROBIN LEJEUNE
DISTRICT 6

ANGIE PHILLIPS
DISTRICT 7

March 25, 2016

Marla Smith
Storm Water Management Branch
Water Division
Alabama Department of Environmental Management
PO Box 301463
Montgomery, AL 36130-1463

Re: City of Daphne's 2015-2016 Phase II MS4-Annual Report and SWMPP Update

Dear Ms. Smith,

I have attached the City of Daphne's MS4 Phase II 2015-2016 Annual Report's Goals and Achievements Compliance Charts and SWMPP update. If you have any questions, please give me a call.

Sincerely,

Ashley Campbell

Ashley Campbell, CPESC
Environmental Programs Manager
City of Daphne
PO Box 400
Daphne, Al 36526
251-621-3080 Office Cell 251-234-7122
acampbell@daphneal.com

City of Daphne, Alabama
Stormwater Management Program Plan
Phase II MS4

Initial Plan 2012
Permit # ALR 040039, Expiration Date: January 31, 2016

Developed by the City of Daphne's Environmental Programs Manager
1705 Main Street, Daphne, AL 36532

Certification
City of Daphne, Alabama

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is 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.

2016 Stormwater Management Program Plan Update & Annual Report

Dane Haygood
Mayor
City of Daphne, Alabama

Date: March 28, 2016

ATTEST:

Becky Hayes, City Clerk

Date: March 28, 2016

2016 SWMPP Update Details

Page 2; Date and signature updated

Page 5; A reference was made to the City's permit expiration with coverage continuation language.

All other updates will be presented in the City's 2016-2021 Stormwater Management Program Plan Update.

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Chapter 1 – Introduction

1-1 Program Overview

This document presents the City of Daphne's Stormwater Management Program (SWMP) as required by the Alabama Department of Environmental Management's (ADEM) National Pollutant Discharge Elimination System (NPDES) Phase II Municipal Separate Storm Sewer System (MS4) Permit. This permit covers stormwater discharges from regulated small municipalities. The overall goal of the program is to protect water quality by an effort to reduce to the maximum extent practicable the discharge of pollutants in stormwater.

1-2 Regulatory Background

In 1990, the Environmental Protection Agency (EPA) promulgated regulations establishing Phase I of the NPDES stormwater program. The Phase I program for municipal separate storm sewer systems (MS4s) requires operators of "medium" and "large" MS4s that generally serve populations of 100,000 or greater to implement a stormwater management program as a means to control polluted discharges from certain municipal, industrial and construction activities into the MS4.

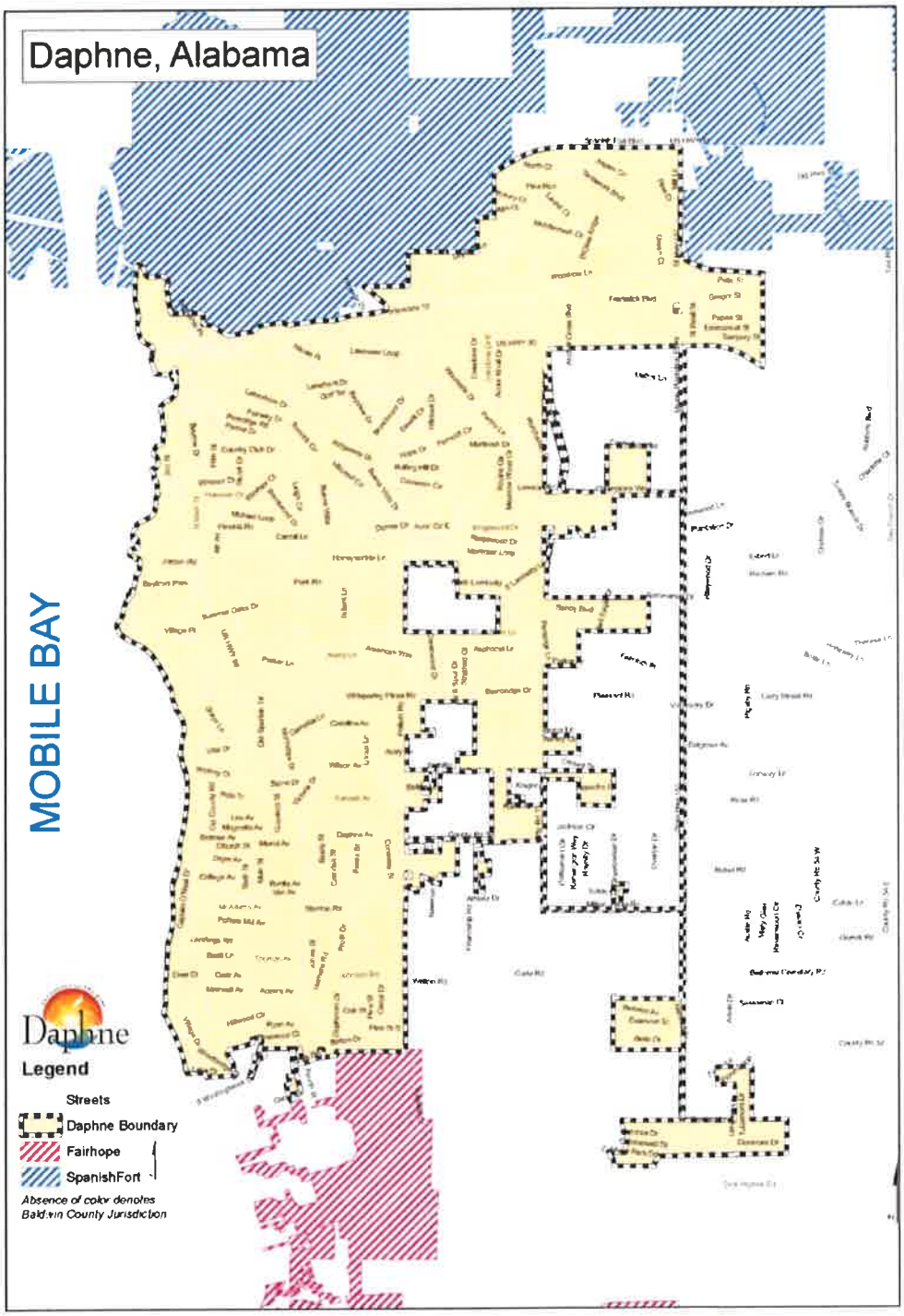
In 1999, EPA promulgated regulations establishing Phase II of the NPDES stormwater program. The Phase II program extends coverage of the NPDES stormwater program to regulated "small" MS4s. A regulated small MS4 is located within an "Urbanized Area" or is designated by the NPDES permitting authority. An Urbanized Area (UA) is a densely settled core of census tracts and/or census blocks that have population of at least 50,000, along with adjacent territory containing non-residential urban land uses as well as territory with low population density included to link outlying densely settled territory with the densely settled core. It is a calculation used by the Bureau of the Census to determine the geographic boundaries of the most heavily developed and dense urban areas.

The ADEM presently has primary jurisdiction over permitting and enforcement of the Phase I and II stormwater program for Alabama. On January 31, 2011, ADEM issued its MS4 Phase II General Permit (NPDES Permit Number ALR040039, Attachment A-1) for stormwater discharges associated with small MS4s in Alabama. A permit update was issued in March 6, 2012. The City's permit expired on January 31, 2016 but coverage is continued by until the new MS4 General Permit has been approved.

1-3 Regulated Area

The Phase II MS4 General Permit applies to operators of regulated small MS4s that discharge stormwater to waters of the State. The City of Daphne is located on the eastern shore line of Mobile Bay; south of Spanish Fort and north of Fairhope. Figure 1 displays Daphne's city limit boundaries.

FIGURE 1. CITY OF DAPHNE MAP



Map compiled by City of Daphne GIS Manager, June 8, 2012.

Daphne is one of the fastest growing cities in Alabama. From the 2000 Census to the 2010 census, the City experienced a thirty percent (30%) increase in population from 16,581 to 21,570 persons. This makes Daphne the most populous City in Baldwin County and designates it as a Phase II MS4.

In order to develop, implement and maintain an effective SWMP that minimizes pollutant discharges in stormwater runoff, it is important for the City to have knowledge of following items.

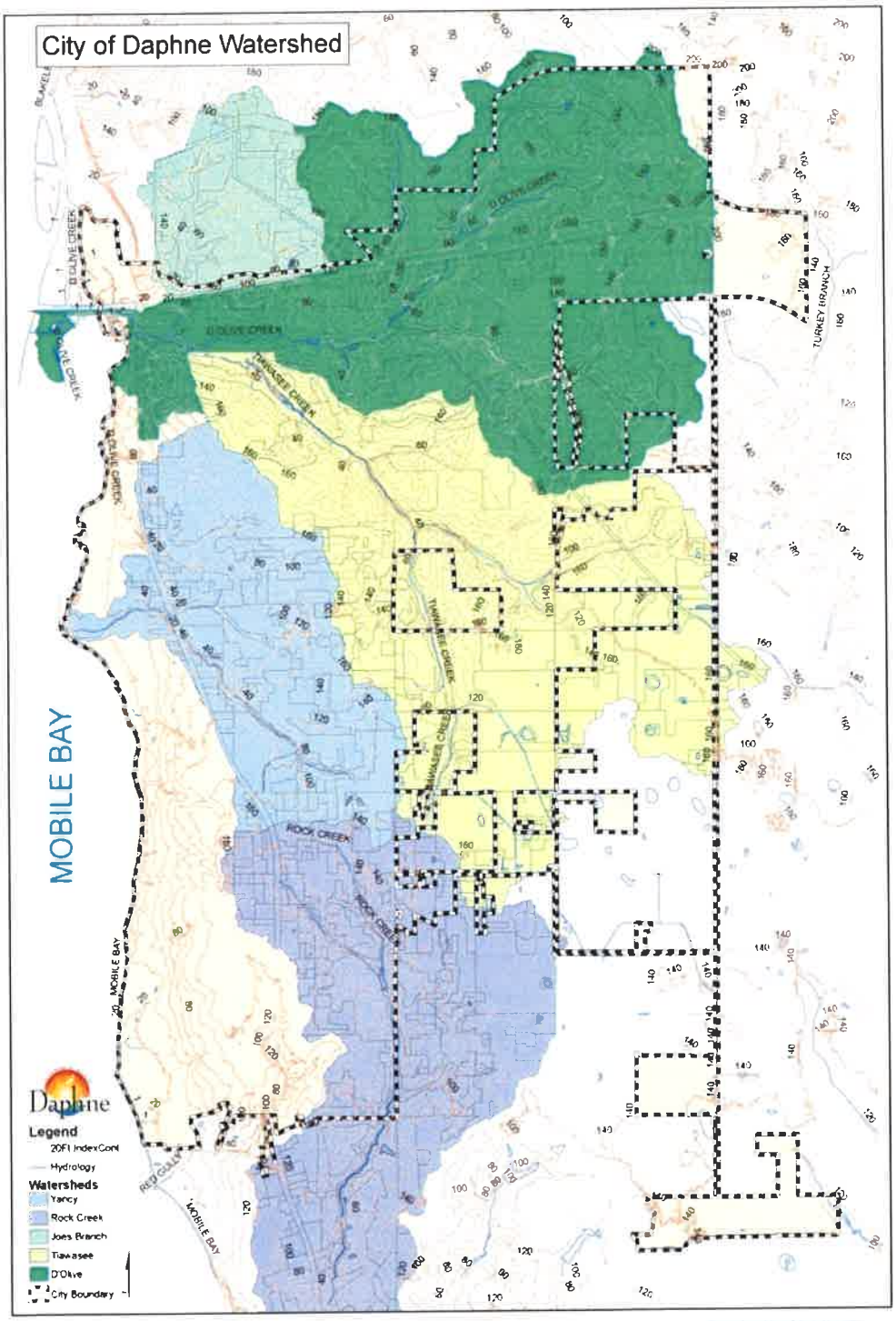
A. Major drainage basins within the City

The City's total area is sixteen point three eight (16.38) square miles with sixteen point three six (16.36) square miles of land and point zero two (.02) square miles of water. The City of Daphne expands across four (4) watersheds that are designated by a twelve (12) digit Hydrologic Unit Code (HUC-12). Areas of the City of Daphne located within each HUC-12 watersheds are summarized in Table 1 and shown in Figure 2.

TABLE 1. HUC-12 WATERSHED

HUC-12 Watersheds	Area (Mi^2)	Area (%)
HUC#031602040505 Tensaw River-Apalachee River Sub-watershed D'Olive Creek	9.70	59.3
HUC#031602050301 Yancey Branch	4.23	25.8
HUC#031602050302 Fly Creek	1.51	9.2
HUC#031602050304 Upper Fish River	0.94	5.7
Total	16.38	100.0

FIGURE 2. DAPHNE WATERSHEDS



Map compiled by City of Daphne GIS Manager, June 8, 2012

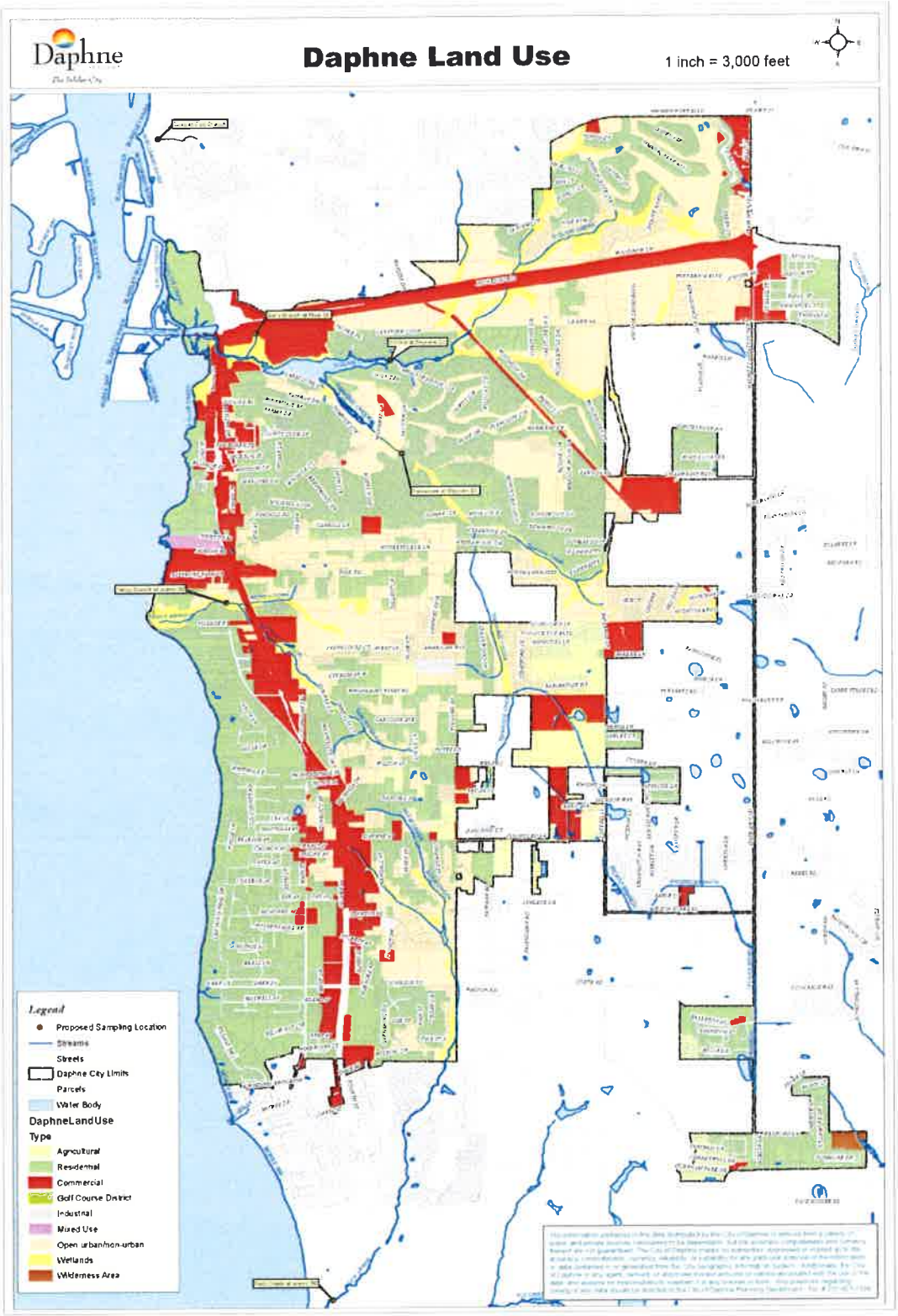
B. Potential sources of pollutants by land use

Because various pollutants are associated with specific land uses, it is important for the City to know the land uses within its watersheds. Based on Baldwin County's 2009 GIS data, the City's major land use categories include: Agriculture, Commercial, Forested, Industrial, Institutional, Recreational, Residential, Water and Wetlands. A summary of the major land uses is listed in Table 2 and shown Figure 3.

TABLE 2. LAND USE

Land Use	Area (mi2)	Area (%)
Agriculture	0.47	2.9
Commercial	2.18	13.3
Forested	3.53	21.5
Industrial	0.05	0.3
Institutional	0.59	3.6
Recreational	0.73	4.5
Residential	7.57	46.2
Water	0.02	1.2
Wetlands	1.07	6.5
Total	16.38	100%

FIGURE 3. DAPHNE LAND USE MAP



C. Water quality concerns of each drainage basin

The City of Daphne's primary receiving water is Mobile Bay. It is listed as Fish and Wildlife and Swimming by ADEM for its water use classification. The water use classification is the most beneficial use that the water of the stream will support. Mobile Bay is Alabama's principal estuary; receiving drainage from all but the extreme northern and southeastern portions of the State. Mobile Bay is included in the National Estuary Program, one of only twenty eight (28) officially designated estuaries across the nation. The National Estuary Program (NEP) was established in 1987 by amendments to the Clean Water Act to identify, restore, and protect nationally significant estuaries of the United States.

The D'Olive Creek Watershed shown in Figure 2 is the City's largest watershed and the most impacted (impaired). Portions of the watershed are located within Spanish Fort, Baldwin County and Daphne. It drains over seven thousand and seven hundred (7,700) acres and consists of three principal tributaries D'Olive Creek, Tiawasee Creek, and Joe's Branch. The ADEM water use classification for these tributaries is Fish and Wildlife. The three (3) creeks and their tributaries are all listed on ADEMs 303(d) List impaired by silt (sediment) due to land use change over time. Severe stream channel erosion has been documented on each of the streams in the municipalities and the county.

1. Discharge Compliance with Water Quality Standards

The general permit requires, at a minimum, that permittees develop, implement and enforce a SWMP 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 stormwater pollution from entering waters of the State of Alabama is considered an acceptable effort to reduce pollutants from the municipal storm drain system to the maximum extent practicable.

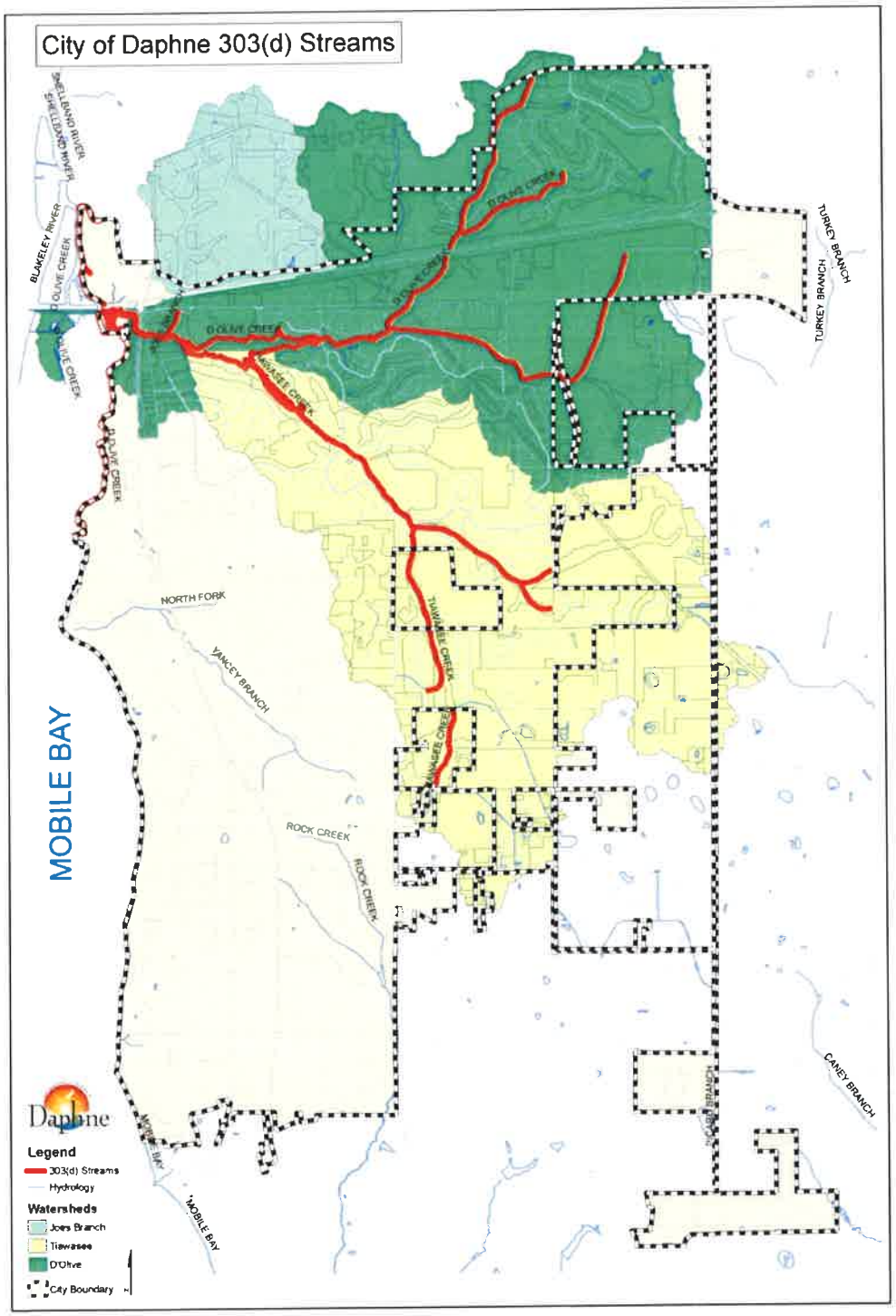
2. Discharges to Impaired Waters

According to ADEM's 303(d) List dated April 2010 and 2014; five (5) streams that are located within, or flowing through, Daphne are designated as impaired. ADEM's 303(d) listed streams located within the City of Daphne are summarized in Table 3 and shown in Figure 4. ADEM has included Joe's Branch, Tiawasee Creek, Un-named Tributary to Tiawasee Creek, D'Olive Creek and Un-named Tributary to D'Olive Creek on the 303(d) List as impaired for siltation and habitat alteration. The source of this impairment is attributed to land development. As a result of these streams' designations, EPA requires the establishment of a Total Maximum Daily Load (TMDL) under the Clean Water Act. The TMDL is a calculation of the maximum amount of a pollutant that a water body can receive and safely meet water quality standards. Currently there are no EPA approved TMDLs for these streams. It is anticipated that the TMDLs for Daphne's impaired streams will be written and released in 2018.

TABLE 3. DAPHNE STREAMS ON THE 303(d) LIST

Stream Name	Watershed	Designated Use	Pollutant of Concern	Source
Joe's Branch	D'Olive Creek	Fish & Wildlife	Siltation Habitat Alteration	Land Development
D'Olive Creek	D'Olive Creek	Fish & Wildlife	Siltation Habitat Alteration	Land Development
UT to D'Olive Creek	D'Olive Creek	Fish & Wildlife	Siltation Habitat Alteration	Land Development
Tiawasee Creek	D'Olive Creek	Fish & Wildlife	Siltation Habitat Alteration	Land Development
UT to Tiawasee Creek	D'Olive Creek	Fish & Wildlife	Siltation Habitat Alteration	Land Development

FIGURE 4. MAP OF DAPHNE 303 (d) LIST STREAMS



Map compiled by City of Daphne GIS Manager, June 8, 2012

1-4 Legal Authority

Daphne was officially incorporated in July 1927. As an incorporated city, Daphne has the legal authority to create land use and design regulations for developments within the City and its corporate limits in accordance with the statutory provisions of the State of Alabama. Listed below are the City's existing ordinances that support Daphne's efforts in its MS4 Stormwater Management Program compliance:

A. Land Use and Development Ordinance (LUDO)

Daphne adopted its original Land Use and Development Ordinance (LUDO) in September 1987. The ordinance has been amended several times since its adoption with the latest revision in 2011 (Ordinance No. 2011-54, Appendix A). The LUDO addresses both the City's Zoning and Subdivision Regulations. They are detailed below:

1. Zoning Provisions

Components of the Zoning Provisions include the following:

a. Classification and establishment of districts;
b. Enforcement;
c. Board of Adjustments;
d. Amendment (of the Zoning Ordinance);
e. Legal status provisions;
f. General provisions;
g. District regulations;
h. Outdoor advertising signs and structure.

2. Subdivision Provisions

Components of the Subdivision Provisions include the following:

a. Authority and jurisdiction;
b. Procedures;
c. Requirements for plats and supplementary data;
d. Design standards;
e. Required improvements (including drainage);
f. References to the Alabama Handbook for Erosion Control, Sediment Control, and Stormwater Management on Construction Sites and Urban Areas;
g. Required Construction Best Management Practices Plan (CBMPP);
h. Required 50 foot Stream Buffers;
i. Required 30 foot Wetland Buffers;
j. Requirements for first flush treatments of stormwater;

k. Requirement that all stormwater detention structures must attenuate the post development peak flow rates from the two (2), five (5), ten (10), twenty five (25), fifty (50) and one hundred (100) year 24 hour design storms to release a graduated discharge at or below the predevelopment peak flow rates;
l. Requirement that post development peak outflow rates not exceed the predevelopment outflow rate as the basis of detention design;
m. Allowance for variances;
n. Definitions, and
o. Severability clause.

The latest version of Daphne's LUDO is incorporated into the SWMP Plan by reference and is available on the City's website www.daphneal.com.

B. Construction Best Management Practices for Residential Dwelling and Other Land Disturbance within the City Ordinance

The City's Residential Erosion and Sediment Control Ordinance was developed in 2007 (Ordinance No. 2007-03). It was amended in 2008 (Ordinance No.2008-54) and again in 2014 (Ordinance No. 2014-14, Attachment B). The ordinance includes:

1. References to the Alabama Handbook for Erosion Control, Sediment Control, and Stormwater Management on Construction Sites and Urban Areas and the ADEM General Construction Permit requirements;
2. Requirements for CBMPPs for all new home sites and any land disturbance greater than 1000 square feet;
3. Requirements for CBMP implementation, inspection and maintenance;
4. Procedures for violations and enforcement.

The latest version of the ordinance is incorporated into the SWMP by reference and is available on the City's website www.daphneal.com.

C. Flood Damage Prevention Ordinance

The City of Daphne adopted its Flood Damage Prevention Ordinance (Ordinance No. 1998-02) in 1998. The ordinance was updated in 2009 (Ordinance No. 2009-01, Appendix C). The purpose of this ordinance is to promote the public health, safety and general welfare and to minimize public and private losses due to flood conditions in specified areas of provisions designated to:

1. Require that certain uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction;

2. Restrict or prohibit uses which are dangerous to health, safety and property due to water or erosion hazards, or which increase flood heights, velocities, or erosion;
3. Control filling, grading, dredging and other development which may increase flood damage or erosion;
4. Prevent or regulate the construction of flood barriers which will unnaturally divert flood waters of which may increase flood hazards to other lands; and,
5. Control the alteration of natural flood plains, stream channels, and natural protective barriers which are involved in the accommodation of flood waters.

The latest version of the Flood Damage Prevention Ordinance is incorporated into the SWMP Plan by reference and is available on the City's website www.daphneal.com.

D. Illicit Discharge Detection and Elimination Ordinances

The City's current LUDO references the City's MS4 permit and prohibits illicit discharges from new development. On March 17, 2014 the City adopted a stand-alone Illicit Discharge Detection and Elimination Ordinance (Ord. No. 2014-09, Appendix C-1) to address existing developments and residential illicit discharges. The Ordinance was based on EPA guidance and the objectives are the following:

1. To regulate the introduction of pollutants to the MS4 by stormwater discharges by any user;
2. To prohibit illicit connections and discharges to the City's MS4;
3. To establish legal authority to carry out all inspection, surveillance and monitoring procedures necessary to ensure compliance with this Ordinance.

E. Additional Ordinances

If the City determines that additional ordinances are necessary for proper implementation of its SWMP, the City will use its legal authority as a municipality to create them.

Chapter 2 - SWMP Program Administration

2-1 SWMP Plan Implementation Responsibilities

The Building Department's Environmental Programs Manager (EPM) is responsible for the overall management of SWMP. However, no single department within the City is responsible for all of the necessary activities associated with the permit's Minimum Control Measures (MCM). Therefore, multiple departments and agencies have a role in program management. The key departments and their responsibilities are detailed below:

A. City of Daphne's Council

The Council is the legislative body for the City and is responsible for the promulgation of resolutions, ordinances and the budget related to the implementation of the SWMP.

B. Mayor's Office

The Mayor is the executive for the City and is responsible for overall oversight of the program, and for maintaining communication between the Council and each department.

C. Building Department-Environmental Programs-Flood Plain Management

The Building Department's EPM will lead the day-to-day activities and administration of the program, with substantial assistance and input from other departments as depicted in this Plan. The EPM will take the lead in assuring that MS4 training occurs city-wide. The Building Department will assist with flood plain management, illicit discharge detection and elimination, construction site runoff control, post-construction stormwater management, and training within the good housekeeping for municipal operation's MCM.

D. Public Works/Recreation & Parks

Public Works and Recreation Department will have a role in several of the MCM, including public education, illicit discharge detection and elimination. In addition, these Departments are responsible for city-owned and maintained grounds and landscaping and will be largely responsible for the Pollution Prevention/Good Housekeeping for Municipal Operation's MCM.

E. Community Development Department

The Community Development Department will assist by the development of criteria that includes elements and conditions of approval on land use projects consistent with the City's Land Use and Development Ordinance (LUDO) and its SWMP Plan. Community Development will also assist with public education and outreach, construction site runoff control, post-construction stormwater management. The Department's GIS personnel will assist in mapping various elements of the program.

F. Police Department

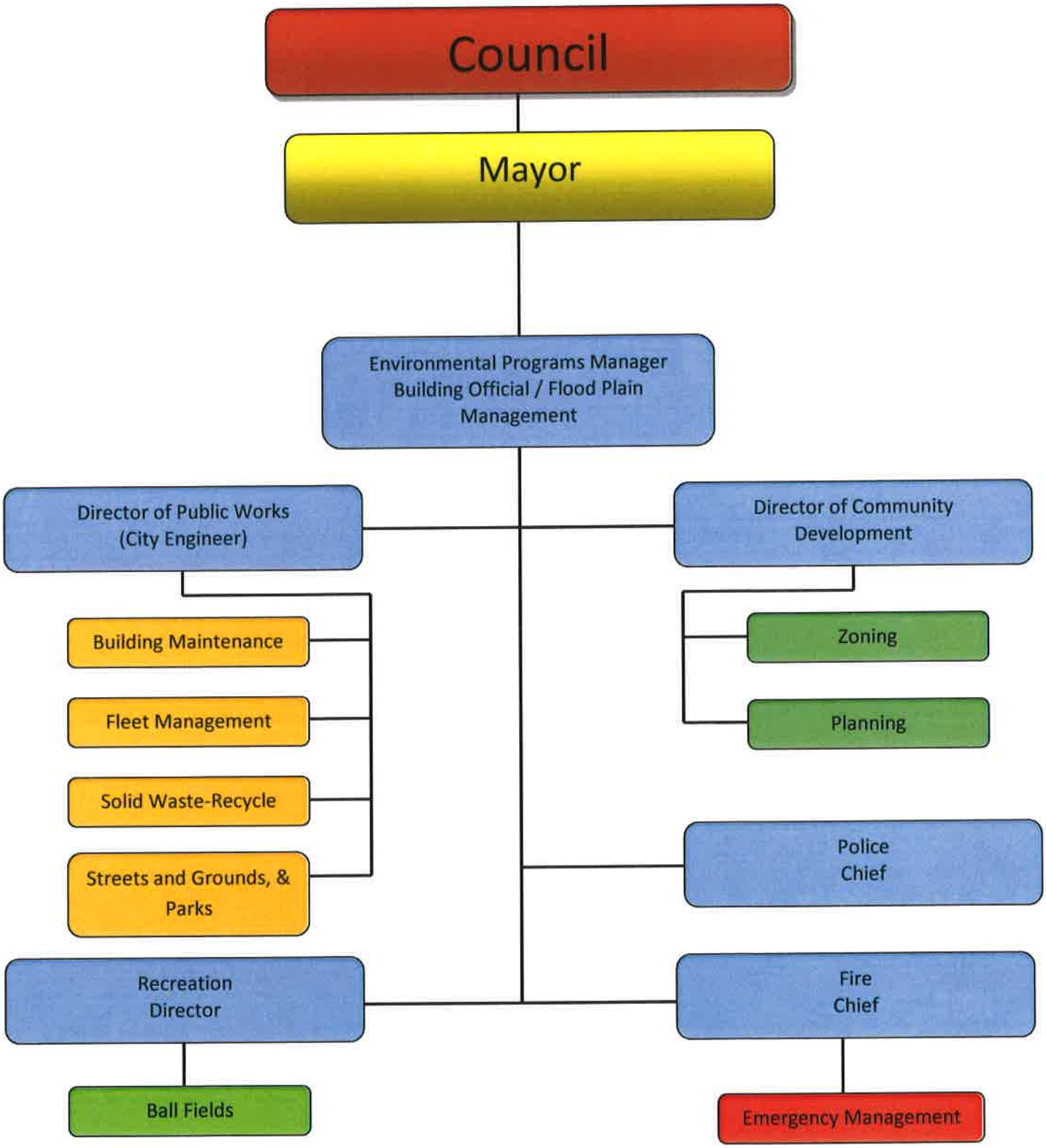
The Police Department provides a support role through its Code Enforcement Officer who issues municipal offense tickets for City ordinances. The Police Department is the enforcement mechanism for MS4 compliance through illicit detection and elimination, construction site runoff control and post construction stormwater management.

H. Fire Department

The Fire Department provides a support role through non-hazardous and hazardous waste spill reporting and cleaning techniques. Their responsibilities include public education, illicit discharge detection and elimination and pollution prevention and good housekeeping.

The Department Organizational Chart shown in Figure 5 presents the City's departments with their relationships for purposes of the stormwater management program. As mentioned previously, the EPM will be in charge of overall program management. Future, revisions to these responsibilities and relationships will be updated in the City's SWMP Plan Annual Report.

FIGURE 5. CITY SWMP ORGANIZATIONAL CHART



2-2 Coordination between Local MS4s

Daphne shares sections of its watersheds with other cities and the County. The City does not rely on any of these for compliance with our general permit. Therefore, there is no need for any Intra-Jurisdictional Agreements. However, the City does anticipate sharing some of its efforts in implementing various MCM of the permit such as Education Outreach and Public Participation. This coordination will be on a voluntary basis only and allow for cost effective implementation of certain program MCMs.

2-3 SWMP Revisions and Updates

As part of the annual review of the SWMP, in conjunction with the preparation of the annual report, all revisions and updates that are required by ADEM or necessary to maintain permit compliance will be submitted to the Department for review. Upon approval of the revisions and updates, the modified SWMP Plan will become effective. Revisions to the SWMP shall be documented below in Table 4.

TABLE 4. SWMPP REVISIONS

Date:	Revised By:	Revision Description
8/30/2012	Ashley Campbell	Grammatical and Formatting Changes
03/20/2013	Ashley Campbell	Grammatical and SWMP Plan Annual Update- (See Attachment)
3/20/2014	Ashley Campbell	SWMP Plan Update (See Page 3 of SWMPP)
3/25/2015	Ashley Campbell	SWMP Plan Update (See Page 3 of SWMPP)
3/25/16	Ashley Campbell	SWMP Plan Update (See Page 3 of SWMPP)

Chapter 3 – Program Components

This chapter provides guidance to staff and others to meet the requirements of the ADEM general permit for stormwater discharges from the MS4.

The Six Program Minimum Control Measures (MCM) are:

3-1 Public Education and Outreach (MCM 1)
3-2 Public Participation/Involvement (MCM 2)
3-3 Illicit Discharge Detection and Elimination (MCM 3)
3-4 Construction Site Runoff Control (MCM 4)
3-5 Post Construction Stormwater Management (MCM 5)
3-6 Pollution Prevention/Good Housekeeping for Municipal Operations (MCM 6)

The following sections in this chapter will detail the MCM with the following criteria for each:

A. Program Introduction
B. Program Strategies, Goals and Timelines
C. Program Evaluation

3-1 MCM 1-Public Education and Outreach

A. Introduction

1. Permit Requirement

The Public Education and Outreach (MCM 1) requires the City to implement and evaluate a public education and outreach program that distributes educational materials to the community or conducts equivalent outreach activities about the impacts of polluted discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff to the maximum extent practical.

2. Target Audiences

MCM 1 includes various target audiences: residential, commercial, industrial developers, the general public, schools, elected officials, contractors, professional groups, federal, state and other local agencies. Educational materials will be specifically tailored to communicate a specific stormwater pollutant concern to a targeted audience.

3. Target Pollutants and Sources

Non-point source pollutants found in stormwater will be targeted by MCM 1. These pollutants include, but are not limited to sediment, trash, fertilizers, pesticides, pathogens and oils and greases. The sources that are targeted include, but are not limited to, illegal dumping, pool water disposal, car washing, home auto repair, failing septic systems, illicit discharges, impacts from development, construction site erosion, commercial parking lot runoff and improper application of fertilizers, pesticides and herbicides.

Since, Daphne has five (5) streams listed on ADEM's 303(d) List as impaired for sediment; sediment will be primarily targeted in the public education program. Some of the target sediment sources will include:

a. Residential development
b. Commercial development
c. All-terrain trespass erosion
d. Construction site erosion

B. Strategies, Goals and Timeline

The City employs a variety of strategies for MCM 1 from the utilization of existing materials; from other agencies and permittees to the creation of new materials to educate the targeted audiences. Some of the City's current and future compliance activities may include:

- Articles in Local Publications

- Brochures, Pamphlets
- Environmental Webpage
- Workshops
- School Presentations
- Curbside Recycling & Used Motor Oil Recycling Program
- Watershed Signage & Environmental Awareness Signage
- Elected Officials Training

These activities will represent efforts (best management practices) that are effective in reducing the impacts of pollutants on stormwater runoff. Each outreach strategy will be detailed below along with its goal, timeline and department responsible for implementation of the measure.

1. Develop a List of Possible Targeted Audiences

Current Program:
This element of MCM 1 will use the City's Citizen based Environmental Advisory Committee (EAC) to create a list of the possible target pollutants and audiences to address during this permit cycle.

Potential Target Audience: Contractors, Developers, Elected Officials, General Public, Home Owners, Landscapers, Schools

Measurable Goal:
In year one (1) of the permit cycle, the EAC will be asked to create a list of target pollutants, audiences and strategies that they would like to see addressed during this permit cycle.

Throughout the remainder of the permit cycle, the list will be used to guide the development of additional education outreach strategies that focus on these target pollutants and audiences.

Responsible Department: Environmental Programs

2. Submit Materials to Local Media

Current Program:
In the previous years, the City has released several articles to local Property Owners Association's papers and the local press. Several of these documents are located in Appendix D. This element of MCM 1 will involve a local media campaign of information about the City's stormwater program activities and general stormwater pollution impacts. Media resources will be submitted to local or regional publishers and/or radio stations for use.

Potential Target Audience: General Public

Measurable Goals:
In year one (1), the City will identify local media that will assist the City in publishing and/or broadcasting the stormwater education materials.

Throughout, the remainder of the permit cycle, the City will submit two (2) environmental education outreach resources (which may include: articles, articles with interviews, advertisements, commercials, etc.) a year for publication in local media outlets.

Responsible Department: Environmental Programs

3. Create Stormwater Education Outreach Brochures-Pamphlets

Current Program:
This element of MCM (1) allows for the distribution of new and existing stormwater education brochures and pamphlets for targeted groups, such as: erosion and sediment control brochures for contractors working in the City, flyers for presentations given to school children, flyers targeting residential activities to homeowners. The City currently displays several flyers and brochures in its Building Department permit office for distribution. Table 5 lists the brochures and flyers and a copy of each is located in the Appendix E.

TABLE 5. CITY BROCHURES & HANDOUTS & LOCATIONS

Brochure, Handout, Flyer Title	Source	Distribution Location
Field Guide for Erosion & Sediment Control	City of Daphne Purchased with Clean Water Future Logo	Building Department
The 10 Best Native Trees	City of Daphne & Foley	Building Department, Public Works, Community Development, City Library
The 10 Best Native Shrubs	City of Daphne & Foley	Building Department, Public Works, Community Development, City Library
Erosion and Sediment Control Guide	Alabama Homebuilders	Building Department
Recycle Brochure	City of Daphne	Building Department, Public Works, Community Development, City Library
Phase II MS4 Brochure	City of Daphne	Building Department, Public Works, Community Development, City Library
Just Say No to Plastic	City of Daphne, MBNEP, Baldwin County	Building Department, Public Works, Community Development, City Library
Effective CBMP Plans Brochure	City of Daphne	Building Department
Clean Water Future MS4 Brochures	Mobile Bay NEP, Cities of Daphne, Foley, Mobile & Mobile County	Building Department, Public Works, Community Development, City Library
Create a Clean Water Future (CCWF) Campaign Brochure	City of Daphne, Mobile Bay NEP	Building Department, Public Works, Community Development, City Library
Illicit Discharge Detection & Elimination & CCWF Brochure	City of Daphne, Mobile Bay NEP	Building Department, Public Works, Community Development, City Library

Potential Target Audience: Contractors, Developers, Elected Officials, General Public, Home Owners, Landscapers, Schools

Measurable Goals:
In year one (1), the City will compile a list of existing EPA and other stormwater educational brochures and pamphlets that can be used to implement this element of the MCM 1. Also, with

the guidance from the EAC, distribution locations will be determined and the brochures (pamphlets) will be placed at the desired locations for distribution.

In year two (2), an erosion and sediment control brochure will be created detailing effective BMPs to reduce sediment impacts to stormwater. The brochure will be distributed by mail to all residential home builders licensed in the City.

In years three (3) through five (5), the City will create one additional program brochure a year with a specific target audience.

Responsible Department: Environmental Programs

4. Environmental Web Page

Current Program:
The internet provides a very accessible means for making information and data available to citizens. The City's website shall be expanded to incorporate an Environmental page which will have a link to the City's SWMP Plan, MS4 Annual Report, and other stormwater related topics, as well as provide information on any existing and future stormwater related activities.

Potential Targeted Audience: General Public

Measurable Goals:
In year one (1) of the permit cycle, the City will expand its website to include an environmental page and post links to its SWMP Plan and Annual Report on the site.

In year two (2) of the permit cycle, the City will expand the website to include stormwater related topics, information about the stormwater management program in general, upcoming program events, information about how readers can reduce stormwater impacts and links to other related websites.

In year three (3) of the permit cycle, the City will develop an email link for public inquiries and complaints related to stormwater.

In years four (4) and five (5), the website will be maintained and updated as needed to remain in compliance with the general permit.

Responsible Department: Environmental Programs

5. Workshops

Current Program:

Workshops are useful in educating specific target audiences about specific topic issues. Using existing training programs, the City will work with its partners to sponsor workshops in a variety of stormwater topics for homeowners and the professionals. Examples of some potential workshops include but are not limited to the following: Non-point Education for Municipal Officials (NEMO), Rain Barrel, Erosion and Sediment Control, Stream Restoration, Invasive Species Control, and Low Impact Development (LID)/Green Infrastructure (GI) Workshops.

Potential Targeted Audience: Contractors, Developers, Elected Officials, Homeowners, Landscapers, and Professionals

Measurable Goals:

In year one (1) of the permit, Daphne's EAC will be asked to create a list of potential stormwater topics for workshops for the city to sponsor.

For the remainder of the permit cycle, using the EAC list as a guide, the City will sponsor one (1) workshop per year.

Responsible Department: Environmental Programs

6. School and Workshop Presentation

Current Program:

Teaching all ages of students about stormwater and its impacts is of utmost importance to any stormwater program. Visiting local schools, outdoor class rooms, workshops and other educational events and discussing the ways that students can reduce stormwater impacts is critical. Educating all ages is the key to a future with effective stormwater management.

Potential Targeted Audience: Elementary, middle, high school, and college students, workshop attendees

Measurable Goals:

During the permit cycle, the City will present stormwater related topics during two classroom or other educational events per permit year. During these events, stormwater facts and other related topics will be presented to the students.

During the permit cycle, track all stormwater related city staff presentations at schools, workshops and/or educational events.

Responsible Departments: Environmental Programs & Public Works

c. City Recycling Program

Current Program:

The City has several municipal buildings. Each building is equipped with recycling containers for paper, aluminum, plastic and cardboard. Employees are required by ordinance to recycle all these wastes with the exception of confidential documents. Confidential documents are shredded and recycled through a private company. Furthermore, the City places recycling containers at each sports field and at all festivals and City sponsored events.

Measurable Goals:

During the permit cycle, the City will track the annual volume of recycled materials collected and report the data in the City's SWMP Annual Report.

Responsible Departments: Environmental Programs and Public Works

d. Stormwater Management System Maintenance

Current Program:

The stormwater management system for the City contains grassed and concrete swales, culverts, inlets, pipes and detention structures. Currently these structures are maintained on an as-needed basis by determination of the Public Works Director (City Engineer). Areas are also maintained when valid complaints of drainage problems are filed with the City.

Measurable Goals:

In year one (1), the Public Works Department and Environmental Programs will meet to discuss a plan of action for stormwater management system maintenance.

By the end of year three (3), a plan will be developed for consistent efforts in managing stormwater systems.

In year four (4), the plan will be taken to the EAC and applicable departments for review.

By the end of year five (5) of the SWMPP, the plan will be implemented with a tracking mechanism.

Responsible Departments: Environmental Programs and Public Works

e. Litter Patrol

Current Program:

The City operates and maintains its streets and right-of-ways in a manner to minimize discharge of pollutants. The City's Public Works Department has a litter collection program in effect. Prior to weekly; mowing designated crews pick-up trash from the City's ROW.

Measurable Goals:
During the permit cycle, the City will continue its Litter Patrol Program. The City will track areas patrolled and quantities of litter removed and report the data in the City's SWMP Annual Report.

Responsible Departments: Environmental Programs and Public Works

f. Capital Stormwater Projects

Current Program:
Each new fiscal year, the City determines a list of capital projects. The Public Works Department is the lead in this effort. These projects are proposed to the City Council and Mayor for approval. If approved, they are budgeted for the following year. Some capital projects may be emergency repairs due to natural disasters. Emergency repair projects are funded and completed as soon as practicable for the safety of the public.

Measurable Goals:
During the permit cycle, City capital stormwater projects will be monitored for compliance with the City's erosion and sediment control ordinance. Inspections of these projects will be conducted as for all qualified construction sites. Any deficiencies will require immediate attention and compliance. The annual report will reflect a list of all projects, project location, details, goals of the project, and inspections.

Responsible Departments: Council, Environmental Programs, Mayor, Public Works

2. Good Housekeeping

Good Housekeeping includes measures that involve City owned facilities. This section includes the following measures for compliance with the permit requirements: inventory of Facilities, assessment of facilities, SWMP Standard Operating Guidance (SOG) for facilities, and Public Works Department ADEM Permits.

a. City Owned Facilities

Current Program:
The City operates and maintains its facilities in a manner to minimize stormwater pollutant discharge to local waters.

Measurable Goals:

i. Inventory of Facilities

In year one (1), the City's goal is to inventory all City owned facilities and conduct a baseline assessment for reduction of pollutants from stormwater runoff. This inventory will include

buildings, parks, vacant property, parking areas and ancillary storage areas. It will also include the drainage area that each facility impacts and all potential pollutants.

ii. Assessment of Facilities

All facilities that were inventoried in year one (1) will have a complete assessment by year five(5) of the permit. The assessment will include an inspection of all areas. All deficiencies will be identified and reported to the appropriate supervisor for remediation.

iii. SWMP SOPs

Following the assessment, each facility will develop Standard Operating Guidance (SOGs) in regards to stormwater runoff and housekeeping practices. The goal is for the City to complete all the facility SOGs during year five (5).

b. Public Works Department ADEM Permits

Current Program:

The City currently holds the following ADEM Permits at our Public Works Department: Scrap Tire, Underground Storage Tank and Pesticide Discharge Management.

Measurable Goals:

The City's goal is to maintain compliance with each of the permit requirements. Environmental Programs will coordinate with Public Works in regards to annual reports for each permit, and annual inspections. Updates to the City's permits and compliance records will be documented in the City's SWMP Annual Report.

Responsible Departments: Environmental Programs and Public Works

3. Training

Current Program:

Training is essential for all City employees regarding pollution prevention and good housekeeping. Previous MCMs detail specific training programs that will be developed and implemented. The City will also develop a training program for the purpose of educating employees regarding stormwater runoff and pollution prevention. This training may be a part of other MCM training.

Measurable Goals:

In year one (1), the City will:

a. Develop a training presentation for new hires on Storm Water Pollution Prevention and Good Housekeeping; and,
b. Develop a training presentation for new employees with IDDE program responsibilities,

In years two (2) through (5), the City will

a. Provide one stormwater training session annually for new employees involved in program; and,
b. Provide additional stormwater training (including information regarding facility SOGs) twice during permit cycle to employees with program responsibilities such as, street, and mowing crews.

Responsible Departments: Environmental Programs and all other City Departments

C. Evaluation

The evaluation of the Pollution Prevention and Good Housekeeping Program is best measured by the achievement of the program goals. At the end of the permit year, the City will evaluate the overall effectiveness of MCM 6 through assessment of the goals that were achieved.

Chapter 4-Water Quality Monitoring Plan

A. Introduction

This chapter details the requirements for the City of Daphne's Stormwater Monitoring Plan as required by the Alabama Department of Environmental Management's (ADEM) National Pollutant Discharge Elimination System (NPDES) Phase II Municipal Separate Storm Sewer System (MS4) Permit. The plan was created to monitor efforts in reducing targeted pollutants to the City's impaired streams. The plan will be reviewed annually as part of the SWMP and any needed changes will be documented in the SWMP Plan Annual Report.

1. Background Information

Daphne has five (5) streams that fail to meet the minimum water quality standards for their designated Fish and Wildlife use. In 2010 and 2014, ADEM listed the five streams on its 303(d) List as impaired by siltation (sedimentation) and habitat alteration. The streams are Joe's Branch; Tiawasee Creek; an unnamed Tributary to Tiawasee Creek; D'Olive Creek; and, an unnamed Tributary to D'Olive Creek. All of these streams are located within the D'Olive Creek Watershed. According to the D'Olive Creek Watershed Management Plan, twenty-two thousand (22,000) linear feet of stream channel is degraded within the watershed resulting in substantial impairments. As a result of the streams' 303(d) listings, EPA requires the establishment of a Total Maximum Daily Load (TMDL) under the Clean Water Act. The TMDL is a calculation of the maximum amount of a pollutant that a water body can receive and safely meet water quality standards. Currently there are no EPA approved TMDLs for these streams. It is anticipated that the TMDLs for Daphne's impaired streams will be written and released in 2018.

2. Permit Requirements

MS4 Phase II permittees that discharge to an impaired water or to a water for which a TMDL has been approved, may have monitoring requirements under Part IV.D (Discharges to Impaired Waters) and they must comply with the following:

a. Submit a monitoring plan within 6 months of the date of coverage of the permit;
b. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity;
c. Test procedures must be conducted in accordance to test procedures approved by EPA under 40 CFR Part 136;
d. Records of the monitoring information shall include:

    i. The date, exact place, and time of sampling measurements;

ii. The name of the individual who performed the sampling or measurements;
iii. The date(s) analysis were performed;
iv. The names of the individual who performed the analysis;
v. The analytical techniques or methods used; and
vi. The results of such analysis.

3. Target Pollutant

Sediment will be the targeted pollutant for the Daphne's Water Quality Monitoring Program.

B. Strategies, Goals and Timelines

The City will employ a variety of strategies to meet the Phase II permit water quality monitoring requirements. Each strategy will be detailed below along with its goal, timeline and department responsible for implementation of measure.

1. City Water Quality Monitoring Plan

Five of Daphne's streams fail to meet the minimum water quality standards for their designated Fish and Wildlife use. Therefore, the City is required to implement a stormwater monitoring plan to address its 303(d) List streams for their impairment pollutant of concern; siltation (sedimentation).

Measurable Goals:
In year one (1), the City will submit the Monitoring Plan (Appendix N) to ADEM for review.

In year two (2), if no changes are required by ADEM, the City will implement the plan and continue monitoring the streams for the remainder of the permit cycle. All sampling data will be submitted to ADEM as part of the City's SWMP Annual Report. The City may also use sampling data from other approved state agencies', such as Geological Survey of Alabama, to carry out this requirement of permit compliance.

During the remainder of permit cycle, if TMDLs are approved by EPA for the listed streams, the City will determine whether the TMDLs include a pollutant allocation or other performance requirements specifically for stormwater discharges form its MS4, and if the TMDLs address a flow regime likely to occur during periods of stormwater discharge. If the determination reflects so, the City may be required to implement specific allocations provisions of the TMDLs, assess whether the allocations are being met through implementation of existing stormwater control measures or if additional control measures are necessary.

Responsible Departments: Environmental Programs

2. Alabama Water Watch (Also listed in MCM 2 on page 34)

Alabama Water Watch (AWW) is a citizen's volunteer water quality monitoring program covering all major river basins in the state. The mission of AWW is to improve both water quality and water policy through its citizen monitoring and action.

Measurable Goals:

In year one (1), the City will initiate communication with local AWW representatives to set up training sessions for volunteers.

In year two (2), dependent on available budget funds, the City will host a training session and acquire/provide funding to outfit three (3) AWW volunteers with monitoring kits.

In years three (3) through five (5), dependent on available budget funds, the City will purchase needed replacement chemical for the AWW kits. Once volunteer sampling starts, the City will coordinate with the AWW to make sure that the data has been received and if possible report the data in the City's Annual MS4 Report.

Responsible Departments: Environmental Programs

C. Evaluation

The evaluation of the Monitoring Program is best measured by the achievement of the plan implementation and goals met. At the end of the permit year, the City will evaluate the overall effectiveness of the Plan and submit results as part of the City's SWMP Annual Report.

Chapter 5-Record Keeping and Reporting

A. Introduction

The State's general permit requires the submission of an annual report. This report must be certified by the governing body or an official designated by the governing board and at a minimum, shall contain the following information:

1. Status of compliance with permit conditions;
2. Status of the identified measurable goals of reducing the discharge of pollutants and protecting water quality;
3. Results of information collected and analyzed, including monitoring data, if any, during the reporting period;
4. A summary of the stormwater activities the Permittee plans to undertake during the next reporting cycle;
5. An assessment of the appropriateness and effectiveness of the identified BMPs; and,
6. Any proposed change(s) to the SWMP along with a justification why the change(s) are necessary; and any change in the person or persons implementing and coordinating the SWMP.

B. Responsible Department

The EPM is responsible for assembling information from the various City departments to author the annual reports. Forms for use in record keeping by involved departments will be developed to facilitate collection of the information required for the annual reports.

C. Record Retention

The City will keep records required by the permit for at least three years past each permit cycle. The records used to document compliance with the SWMP will be available to the public during regular business hours from the various implementing departments. The SWMP Plan and related documents may be viewed in the Building Department, 1705 Main Street, Daphne, AL 36532.

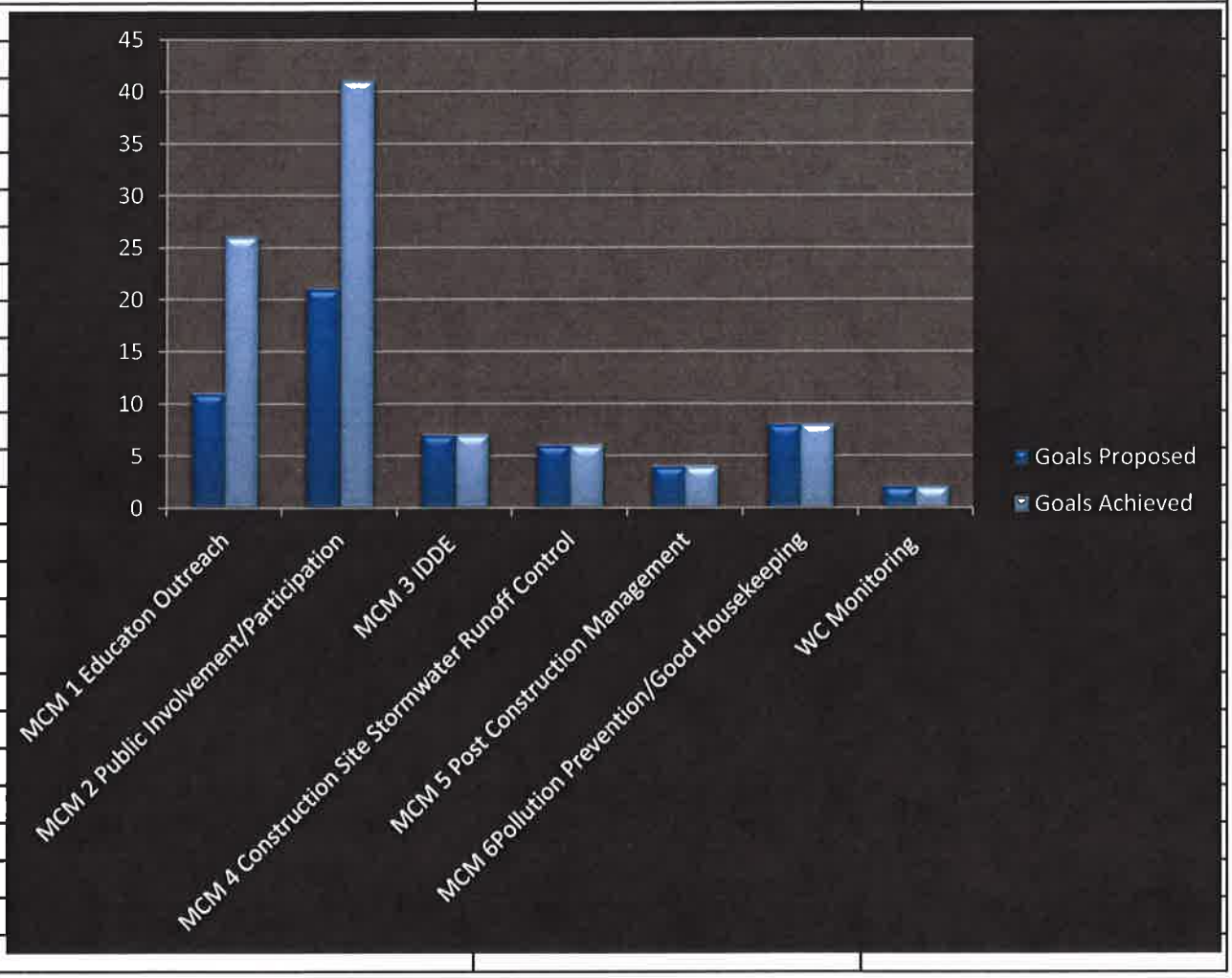
Table of Appendices

Appendix	Title
Appendix A	Land Use and Development Ordinance No. 2011-54
Appendix A-1	Daphne's MS4 Phase II Permit & Update
Appendix B	Residential Erosion and Sediment Control Ordinance No. 2008-54
Appendix B-1	City Facility Mandatory Recycle Ordinance No. 2011-11
Appendix B-2	Construction Best Management Practices Ordinance No. 2014-14
Appendix C	Flood Damage Prevention Ordinance No. 2009-01
Appendix C-1	Illicit Discharge Ordinance No. 2014-09
Appendix D	MCM 1 Submitted Stormwater Education Materials to Local Media
Appendix E	MCM 1 Distributed Educational Brochures and Flyers
Appendix F	Environmental Advisory Committee Ordinance No. 2007-66
Appendix G	Inspection forms for all Complaints and Non-permitted Sites
Appendix H	Current Stormwater Infrastructure Inventory Map
Appendix I	Building Department's Land Disturbance Permit Application
Appendix J	Residential CBMP Plan Review Checklist
Appendix K	Site Plan and Subdivision CBMP Plan Article 18-6 Review Checklist
Appendix L	CBMPP Inspection Form for permitted sites
Appendix M	Stormwater Management Indemnification Form
Appendix N	Water Quality Monitoring Plan
Appendix O	SWMP Plan Figures: 1-4; Larger Version

Table of Acronyms	
Title	**Acronym**
Alabama Department of Environmental Management	ADEM
Alabama Department of Transportation	ALDOT
Alabama Handbook for Best Management Practices for Erosion and Sediment Control	Alabama Handbook
Alabama Water Watch	AWW
All-Terrain Vehicle	ATV
Best Management Practices	BMP
Construction Best Management Practices Plan	CBMPP
Community Action Committee	CAC
D'Olive Watershed Intergovernmental Task Force	DWITF
D'Olive Watershed Working Group	DWWG
Environmental Advisory Committee	EAC
Environmental Programs Manager	EPM
Environmental Protection Agency	EPA
Geographic Information System	GSI
Green Infrastructure	GI
Hydrologic Unit Code	HUC
Illicit Discharge Detection and Elimination	IDDE
Land Use Development Ordinance	LUDO
Low Impact Development	LID
Non-Point Source Education for Elected Officials	NEMO
Project Implementation Committee	PIC
Property Owners Association	POA
Minimum Control Measure	MCM
Mobile Bay National Estuary Program	MBNEP
Municipal Separate Storm Sewer System	MS4
National Pollutant Discharge Elimination System	NPDES
Outstanding Alabama Water	OWA
Qualified Credentialed Inspector	QCI
Qualified Credentialed Professional	QCP
Right of Way	ROW
Standard Operating Guidelines	SOG
Standard Operating Procedure	SOP
Storm Water Management Program	SWMP
Storm Water Management Program Plan	SWMPP
Total Maximum Daily Load	TMDL
Unnamed Tributary	UT
Urbanized Area	UA

City of Daphne
MS4 Phase II 2015 Program Compliance
4/1/15-3/15/16

Minmimum Control Measure (MCM)	Goals Proposed	Goals Achieved
MCM 1 Educaton Outreach	11	26
MCM 2 Public Involvement/Participation	21	41
MCM 3 IDDE	7	7
MCM 4 Construction Site Stormwater Runoff Control	6	6
MCM 5 Post Construction Management	4	4
MCM 6Pollution Prevention/Good Housekeeping	8	8
WC Monitoring	2	2



City of Daphne Phase II MS4
MCM 1 Education Outreach Permit Cycle Compliance Report

3.1	Education Outreach Strategy	Goal	2012 Proposed	2012 Achieved	2013 Proposed	2013 Achieved	2014 Proposed	2014 Achieved	2015 Proposed	2015 Achieved	2016 Proposed	2016 Achieved
3.1.1	Develop List of Target Audiences	Once per permit cycle, survey Env. Advisory Committee (EAC) to determine target SW pollutants and audiences for MS4 Education Outreach Program	✓	✓🗁	*	*	*	*	*	*	*	*
3.1.2A	Submit SW Material to local Media	Compile and update annually a list of local media outlets	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	
3.1.2B	Submit SW Related Material to Media	Submit 2 Stormwater Related Material to Media a year	2	9🗁	2	9🗁	2	9🗁	2	4🗁	2	
3.1.3A	Create Stormwater Education Outreach Brochures-Pamphlets	Compile and update a list of EPA stormwater related education outreach materials	✓	✓🗁	✓	✓	✓	✓	✓	✓No-Update	✓	
3.1.3B	Create Stormwater Education Outreach Brochures-Pamphlets	Survey EAC regarding best locations for stormwater education outreach brochures	✓	✓🗁	*	*	*	*	*	*	*	*
3.1.3C	Create Stormwater Education Outreach Brochures-Pamphlets	Create a Construction BMP Brochure & mail to local residential contractors	*	*	✓	✓🗁	*	✓🗁	*	*	*	*
3.1.3D	Create Stormwater Education Outreach Brochures-Pamphlets	Create a stormwater education brochure for a targeted pollutant	*	*	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	
3.1.4A	City Environmental Web Page	Post & update City SWMPP on City web page	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	
3.1.4B	City Environmental Web Page	Expand City web page	*	*	✓	✓🗁	*	*	*	*	*	*
3.1.4C	City Environmental Web Page	Add link on web for public inquires and complaints on webpage	*	*	*	*	✓	✓	*	*	*	*
3.1.4D	City Web Page	Maintain and update City web page	✓	✓	✓	✓	✓	✓	✓	✓🗁	✓	
3.1.5A	Workshops	Once per permit cycle Survey EAC for stormwater workshops Needed	✓	✓🗁	*	*	*	*	*	*	*	*
3.1.5B	Workshops	Annually sponsor or host one (1) workshop	1	4🗁	✓	6🗁	✓	4🗁	✓	6🗁	✓	
3.1.6	School Presentations	During permit cycle, present stormwater related facts at two education outreach classroom, conference, or meeting events	2	2🗁	2	3🗁	2	5🗁	2	8🗁	2	
3.1.7A	Watershed Signage & Environmental Awareness Signage	In year one (1), implement watershed signage in D'Olive Creek Watershed	✓	✓🗁	*	*	*	*	*	*	*	*
3.1.7B	Watershed Signage & Environmental Awareness Signage	In years two (2) through five (5), inspect and maintain existing signage	*	*	✓	✓	✓	✓	✓	✓🗁	✓	
3.1.7C	Watershed Signage & Environmental Awareness Signage	In year four (4), implement watershed signage in Yancey Branch Watershed	*	*	*	*	*	**🗁	*	*	*	*
3.1.8	Watershed Wagon	During permit cycle, the City will sponsor the Watershed Wagon at one (1) public event	1	1🗁	*	1🗁	*	2🗁	*	2🗁	*	*
3.1.9	Elected Officials Training	Once per permit cycle, sponsor or host one (1) Non-point Source Education for Municipal Officials (NEMO)	*	*	✓	✓🗁	*	*	*	*	*	*
		Total							**11**	**26**		
*	**Not Proposed for Permit Year**											
**	**Completed Prior to Proposed Year**											
🗁	**Attachment Included in Report**											

City of Daphne Phase II MS4
MCM 2 Public Involvement/Public Participation Permit Cycle Compliance Report

3.2	Public Involvement/Participation Strategy	Goal	2012 Proposed	2012 Achieved	2013 Proposed	2013 Achieved	2014 Proposed	2014 Achieved	2015 Proposed	2015 Achieved	2016 Proposed	2016 Achieved
3.2.1A	Environmental Advisory Committee	Hold 4 Meeting Annually	4	5	4	6	4	4	4	7	4	
3.2.1B	Environmental Advisory Committee	EAC Review and Update SWMPP	✓	✓	✓	✓	✓	1	✓	1	✓	
3.2.2A	Watershed Organizations	Initiate the re-establishment of the D'Olive Watershed Working Group (DWWG)	✓	✓	2	2	*	*	*	*	*	*
3.2.2B	Watershed Organizations	Staff will attendant document D'Olive Creek Inter-governmental Task Force (DWTF) meetings	4	4	4	4	3	3	2Qty	2	Qty	
3.2.3	Baldwin County Water Festival and Coastal Kids Quiz	The City will participate in 1 event per year	1	1	1	2	1	3	1	3	1	
3.2.4A	Community Clean-Up Day and Household Waste Amnesty Day	City will participate and /or sponsor 1 clean up day a year	1	1	1	1	1	1	1	1	1	
3.2.4B	Community Clean-Up Day and Household Waste Amnesty Day	Dependent on funding, the City will sponsor/and or assist with a Household Hazardous Waste Amnesty Day per permit cycle	*	*	*	*	*	*	*	1	*	*
3.2.5	Curbside Recycling & Used Motor Oil Recycling Program	City will track the quantity of recycled goods and report data in annual report	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3.2.6	Arbor Day Tree Give Away	City will sponsor and/or assist with a local Arbor Day Celebration once a year	✓	✓	✓	✓	✓	✓	✓	1	✓	
3.2.7A	Environmental Web Page	Create and update an Environmental Page and post links to the City's SWMP Plan and Annual Report	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3.2.7B	Environmental Web Page	Expand and update Web Page to include storm water related topics	*	*	✓	✓	✓	✓	✓	✓	✓	
3.2.7C	Environmental Web Page	Create and update email link on Web Page for public stormwater inquires and complaints	*	*	*	*	1	✓	✓	✓	1	
3.2.7D	Environmental Web Page	Maintain and update web page	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3.2.8	Comprehensive Land Use Plan	Within Permit Cycle the EAC will review and make recommendations for the future updates	*	*	*	*	✓	✓	*	*	*	*
3.2.9	Coordination with Other Agencies and Groups on Environmental Efforts	City Staff will attend 4 Environmental Agency meetings a years	4	18	4	31	4	22	4	19	4	
3.2.10	Call Center	Review current complaint routing system and determine if the creation of a dedicated environmental Hot Line is warranted	*	*	*	*	*	*	*	*	1	
3.2.11	Eastern Shore MS4s Meetings	In years one (1) through (5), host or attend one meeting a year.	1	1	1	1	1	1	1	1	1	
3.2.12A	Alabama Water Watch Monitoring (AWW)	In year one (1), initiated communication with AWW	1	1	*	*	*	*	*	*	*	
3.2.12B	Alabama Water Watch Monitoring (AWW)	In year two (2),sponsor AWW training and purchase 3 AWW Kits	*	*	3	4	*	*	*	*	*	
3.2.12C	Alabama Water Watch Monitoring (AWW)	In years three (3) through (5), purchase replacement chemicals for the AWW kits and submit collected AWW data.	*	*	*	*	✓	✓	✓	✓	✓	
*	**Not Proposed for Permit Year**	**Attachment Included in Report**				**Total**			**21**	**41**		
**	**Completed Prior to Proposed Year**											

City of Daphne Phase II MS4
MCM 3 Illicit Discharge Detection Elimination Permit Cycle Compliance Report

3.3	Illicit Discharge Detection and Elimination Strategy	Goal	2012 Proposed	2012 Achieved	2013 Proposed	2013 Achieved	2014 Proposed	2014 Achieved	2015 Proposed	2015 Achieved	2016 Proposed	2016 Achieved
3.3.1A	Compiling and Organizing Existing City Stormwater Infrastructure Data	Locate all existing stormwater mapping data and update current stormwater map	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3.3.1B	Compiling and Organizing Existing City Stormwater Infrastructure Data	In years 2 and 3, initiate the creation and maintenance of a stormwater outfall database to track inventory and inspections	*	*	✓	✓	✓	✓	*	*	*	*
3.3.1C	Compiling and Organizing Existing City Stormwater Infrastructure Data	Finalize database and initiate major stormwater outfall inspection, once during permit cycle	*	*	*	*	*	*	✓	✓	✓	
3.3.2	Review and update the City's existing & New Development IDDE	Review the City's Commercial IDDE Ordinance and update when needed	✓	✓	✓	✓	*	*Updated	*	*	*	*
3.3.3A	Creation of a New IDDE Ordinance to address Residential and Existing Commercial IDDE	In year one (1), gather sample IDDE Ordinances	✓	✓	*	*	*	*	*	*	*	*
3.3.3B	Creation of a New IDDE Ordinance to address Residential and Existing Commercial Development Illicit Discharge	In year one (1), meet with affected departments	✓	✓	*	*	*	*	*	*	*	*
3.3.3C	Creation of a New IDDE Ordinance to address Residential and Existing Commercial Development Illicit Discharge	In year one (1), draft the sample ordinance as needed by the City	✓	✓	*	*	*	*	*	*	*	*
3.3.3D	Creation of a New IDDE Ordinance to address Residential and Existing Commercial Development Illicit Discharge	In year one (1), submit draft ordinance to City attorney, and City departments for review, review comments and prepare for City Council public hearing and adoption	✓	✓	*	*	*	*	*	*	*	*
3.3.3E	Creation of a New IDDE Ordinance to address Residential and Existing Commercial Development Illicit Discharge	In year two (2), adopt IDDE Ordinance and implement	*	*	✓	✓	*	*	*	*	*	*
3.3.3F	Creation of a New IDDE Ordinance to address Residential and Existing Commercial Development Illicit Discharge	In years three (3) though five (5), create or modify existing database to track IDDE and update as needed	*	*	*	*	✓	✓	*	*	*	*
3.3.4A	Perform Field Assessments and Site Inspections	In year two (2), designate responsible personnel within each department for field assessments and site inspections	*	*	✓	✓	*	*	*	*	*	*
3.3.4B	Perform Field Assessments and Site Inspections	In year two (2), develop departmental Standard Operating Procedures (SOP) for reporting, inspection and enforcement of IDDE	*	*	✓	✓	*	*	*	*	*	*
3.3.4A 1	Perform Field Assessments and Site Inspections	Educate the general public, commercial and industrial developments on the hazards associated with illicit discharges	*	*	*	*	✓	✓	*	*	*	*
3.3.4B 1	Perform Field Assessments and Site Inspections	Initiate basic field assessments to establish priority IDDE areas	*	*	*	*	*	*	*	*	✓	
3.4E1	Perform Field Assessments and site inspections	Screen major outfalls at least once during permit cycle	*	*	*	*	*	*	✓	✓	*	*

City of Daphne Phase II MS4
MCM 3 Illicit Discharge Detection Elimination Permit Cycle Compliance Report

3.3	Illicit Discharge Detection and Elimination Strategy	Goal	2012 Proposed	2012 Achieved	2013 Proposed	2013 Achieved	2014 Proposed	2014 Achieved	2015 Proposed	2015 Achieved	2016 Proposed	2016 Achieved
3.3.4F 1	Perform Field Assessments and Site Inspections	Respond to identified and reported Illicit discharges, track inspections	*	*	*	*	*	*	✓	✓🗁	✓	
3.3.4G 1	Perform Field Assessments and Site Inspections	In year 5 survey, IDDE data and identify principal pollutants of concern throughout City	*	*	*	*	*	*	*	*	✓	
3.3.5A	Hazardous Materials Response Program	Meet with Affected Departments to develop strategies for incorporating stormwater pollution prevention practices into current response program	✓	✓🗁	✓	✓🗁	*	*	*	*	*	*
3.3.5B	Hazardous Materials Response Program	In year two (2), update & maintain Website's City environmental page including IDDE (including hazardous materials) education material and reporting link	*	*	✓	✓🗁	*	*	*	*	*	*
3.3.5C	Hazardous Materials Response Program	In years two (2) through five (4), inspect all hazardous material spills and track in SWMPP Annual Report	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	✓🗁		
3.3.5D	Hazardous Materials Response Program	Survey spills and frequency to determine if any further City action needed to minimize to maximum extent practice water quality impacts during spills	*	*	*	*	✓	✓No action	✓	✓No action	✓	
3.3.6A	Train City Staff	In year one (1), develop IDDE training material to show to new employees	✓	✓🗁	*	*	*	*	*	*	*	*
3.3.6B	Train City Staff	In years two (2) through five (5), provide IDDE training to new employees involved in program	*	*	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	
3.3.6C	Train City Staff	Provide additional stormwater training twice during permit cycle to employees with program responsibilities	*	*	✓	✓🗁	✓	✓🗁	*	*	*	*
		Total Goals							**7**	**7**		
*	**Not Proposed for Permit Year**											
**	**Completed Prior to Proposed Year**											
🗁	**Attachment Included in Report**											

City of Daphne Phase II MS4
MCM 4 Construction Site Stormwater Runoff Control Permit Cycle Compliance Report

3.4	Construction Site Stormwater Runoff Control	Goal	2012 Proposed	2012 Achieved	2013 Proposed	2013 Achieved	2014 Proposed	2014 Achieved	2015 Proposed	2015 Achieved	2016 Proposed	2016 Achieved
3.4.1A	Residential Erosion and Sediment Control Ordinance	Review current Erosion and Sediment Control Ordinance based on ADEM Construction General Permit	✓	✓🗁	*	*	*	*	*	*	*	*
3.4.1B	Residential Erosion and Sediment Control Ordinance	Update current Erosion and Sediment Control Ordinance and present to departments and committees for internal review, to be followed by submittal to Council for Adoption	*	*	✓	X🗁	*	✓🗁	*	*	*	*
3.4.1C	Residential Erosion and Sediment Control Ordinance	Update residential and commercial BMP Checklist to reflect ordinance changes	*	*	*	*	✓	✓🗁	*	*	*	
3.4.2	Subdivision and Commercial Land Use Development Ordinance , Article 18	Review 100% of new and redevelopment Erosion and Sediment Control Plans, track and submit data in annual SWMPP report	✓	✓🗁	✓	🗁	✓	✓🗁	✓	✓🗁	✓	
3.4.3	Erosion and Sediment Control Training for City Building Inspectors	Annual training to keep current QCI and CPESC certifications	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	
3.4.4A	Commercial and Residential Construction Site Inspections and Enforcement	Review and update current construction inspection program & database	✓	✓	✓	✓🗁	✓	✓🗁	*	*	*	*
3.4.4B	Commercial and Residential Construction Site Inspections and Enforcement	In year one, Inspection of priority sites once a month	✓	✓🗁	*	*	*	*	*	*	*	*
3.4.4C	Commercial and Residential Construction Site Inspections and Enforcement	In years 2 through 5, increase Inspection of priority sites to twice a month	*	*	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	
3.4.4D	Commercial and Residential Construction Site Inspections and Enforcement	Update and maintain current construction site inspection databases	*	*	*	*	✓	✓🗁	✓	✓No Updates	✓	
3.4.4E	Commercial and Residential Construction Site Inspections and Enforcement	Evaluate overall effectiveness of program and update where needed	*	*	*	*	*	*	✓	✓No Updates	*	*
3.4.5	Construction associated with Sensitive Areas Such as Beaches, Waterways and Wetlands	Annually review permits associated with sensitive areas and ensure compliance with State and Federal Agencies	✓	✓🗁	✓	✓	✓	✓	✓	✓	✓	
		Goals							**6**	**6**		
*	**Not Proposed for Permit Year**											
**	**Completed Prior to Proposed Year**											
🗁	**Attachment Included in Report**											
X	**Not Acheived**											

City of Daphne Phase II MS4

MCM 5 Post Construction Stormwater Management in New and Re-Developments Sites Permit Cycle Compliance Report

3.5	Post Construction Stormwater Management in New and Redevelopment Sites	Goal	2012 Proposed	2012 Achieved	2013 Proposed	2013 Achieved	2014 Proposed	2014 Achieved	2015 Proposed	2015 Achieved	2016 Proposed	2016 Achieved
3.5.1A	Land Use and Development Ordinance (LUDO) Ordinance	Review and update current guidance for plan reviews	✓	✓🗁	*	*	*	*	*	*	*	*
3.5.1B	Land Use and Development Ordinance (LUDO) Ordinance	Review 100% of all Community Development Site Plan Applications	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	
3.5.1C	Land Use and Development Ordinance (LUDO) Ordinance	Review and update current city ordinances and guidance documents	✓	✓🗁	✓	✓🗁	*	*	*	*	*	*
3.5.2A	Perform Field Evaluations and Long-term Maintenance and Monitoring of Best Management Practices	Inventory City owned BMPs and track data in database, update inventory annually as part of annual SWMPP report	✓	✓🗁	✓	✓🗁	✓	✓No New	✓	✓No New	✓	
3.5.2B	Perform Field Evaluations and Long-term Maintenance and Monitoring of Best Management Practices	Inventory, track and update privately owned BMPs	*	*	✓	✓🗁	✓	✓	✓	✓🗁	✓	
3.5.2C	Perform Field Evaluations and Long-term Maintenance and Monitoring of Best Management Practices	Once during permit cycle, inspect private BMPs to evaluate performance and design, report findings in annual SWMPP report	*	*	*	*	*	*	*	*	✓	
3.5.3A	Low Impact Development/Green Infrastructure (LID/GI) Ordinance	In year one, survey local consultants and citizens to aid in the development of LID/GI Guidance Supplement to the Land Use Development Ordinance	✓	✓🗁	*	*	*	*	*	*	*	*
3.5.3B	Low Impact Development/Green Infrastructure (LID/GI) Ordinance	In year two, the draft guidance will be submitted to departments for internal review and taken to council for review and adoption	*	✓	✓	**	*	*	*	*	*	*
3.5.3C	Low Impact Development/Green Infrastructure (LID/GI) Ordinance	In year two, the draft guidance will be taken to City Council for review and adoption	*	✓🗁	✓	**	*	*	*	*	*	*
3.5.3D	Low Impact Development/Green Infrastructure (LID/GI) Ordinance	Track LID/GI BMPS implemented	✓	✓🗁	✓	✓🗁	✓	✓NONE	✓	✓🗁	✓	
		Total Goals							**4**	**4**		
*	**Not Proposed for Permit Year**											
**	**Completed Prior to Proposed Year**											
🗁	**Attachment Included in Report**											

City of Daphne Phase II MS4
MCM 6 Pollution Prevention/Good House Keeping Permit Cycle Compliance Report

3.6	MCM-6 Pollution Prevention/ Good House Keeping	Goal	2012 Proposed	2012 Achieved	2013 Proposed	2013 Achieved	2014 Proposed	2014 Achieved	2015 Proposed	2015 Achieved	2016 Proposed	2016 Achieved
	Pollution Prevention	**Goal**										
3.6.1A1	Bridges	Create inventory of all bridges in City	✓	✓🗁	*	*	*	*	*	*	*	*
3.6.1A2	Bridges	Inspect bridges twice during permit cycle	*	*	✓	✓🗁	*	*	*	*	✓	
3.6.1B	Street Sweeping Operations	Continue street sweeping operations and track mileage in annual SWMPP report	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	
3.6.1C	Recycling Program	Track volume of recycled materials and report data in the City's SWMPP Annual Report	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	
3.6.1D1	Stormwater Management System Maintenance	Meet with Public Works Director to discuss plan of action for stormwater infrastructure inspection	✓	✓🗁	*	*	*	*	*	*	*	*
3.6.1D2	Stormwater Management System Maintenance	In year three (3), develop plan for managing stormwater	*	*	*	*	✓	✓🗁	*	*	*	*
3.6.1D3	Stormwater Management System Maintenance	In year four (4), the plan will be taken to the EAC and applicable departments for review	*	*	*	*	*	*	✓	✓🗁	*	*
3.6.1D3	Stormwater Management System Maintenance	In year five (5), Implement plan and tracking mechanism	*	*	*	*	*	*	*	*	✓	
3.6.1E	Litter Patrol	Track volume of litter picked up from city Right of Ways	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	
3.6.1F	Capital Stormwater Projects	Inspect City projects for environmental compliance; track and report in SWMPP Annual Report	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	
	Good Housekeeping	**Goal**										
3.6.2Ai	City Owned Facilities	Inventory all City owned properties and facilities	✓	✓🗁	*	*	*	*	*	*	*	*
3.6.2Aii	City Owned Facilities	In years four (4) and five (5), complete assessment of City Facilities	*	*	*	*	✓	X🗁	✓	✓🗁	✓	
3.6.2Aiii	City Owned Facilities	By the end of year five (5), develop Standard Operating Guidance(SOG) for each facility	*	*	*	*	*	*	*	*	✓	
3.6.2B	Public Works Department ADEM permits	Report City ADEM permits and compliance records in SWMPP Annual Report	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	
3.6.3A	Training	Develop or purchase a training presentation for stormwater issues	✓	✓🗁	*	*	*	*	*	*	*	*
3.6.3B	Training	Develop of purchase a training video for new hires on IDDE, Pollution Prevention and Good House Keeping	✓	✓🗁	*	*	*	*	*	*	*	*
3.6.3C	Training	In years two (2) through five (5)Provide one general stormwater training for new employees	*	*	*	*	✓	✓🗁	✓	✓🗁	✓	
3.6.3D	Training	Provide additional stormwater training (including information regarding facility SOGs) twice during permit cycle to employees with program responsibilities such as, street, and mowing crews.	✓	✓🗁	✓	✓🗁	✓	✓🗁	*	*	✓	
*	**Not Proposed for Permit Year**	**X = Not Completed** **Total Goals**							**8**	**8**		
**	**Completed Prior to Proposed Year**	**🗁=Attachment Included in Report**										

City of Daphne Phase II MS4
Chapter 4 Water Quality Monitoring Plan

Chapter 4	Water Quality Monitoring Plan	Goal	2012 Proposed	2012 Achieved	2013 Proposed	2013 Achieved	2014 Proposed	2014 Achieved	2015 Proposed	2015 Achieved	2016 Proposed	2016 Achieved
4.B1-1	City Water Quality Monitoring Plan	Submit City Monitoring Plan to ADEM for Review and Approval	✓	✓	*	*	*	*	*	*	*	*
4.B1-2	City Water Quality Monitoring Plan	Implement water quality monitoring plan and submit data in SWMP Plan Annual Report	*	**🗁	✓	✓🗁	✓	✓🗁	✓	✓🗁	✓	
4.B2-1	Alabama Water Watch (AWW)	Initiate Communication with the State regarding a City sponsored AWW Program in the D'Olive Watershed	✓	✓🗁	*	*	*	*	*	*	*	*
4.B2-2	Alabama Water Watch (AWW)	Dependent upon funding, City will host training and provide three (3) volunteers with AWW water quality sampling kits	*	*	*	*	✓	✓🗁	*	*	*	*
4.B2-3	Alabama Water Watch (AWW)	In years three (3) through (5), if implemented submit sampling data to the AWW and submit data in SWMP Plan Annual Report	*	*	*	*	✓	✓🗁	✓	✓🗁	✓	
		Total Goals							2	2		
*	**Not Proposed for Permit Year**											
**	**Completed Prior to Proposed Year**											
🗁	**Attachment Included in Report**											