



# City of Fairhope, Alabama

MS4 Program

Phase II General Permit # ALR040040

FY 2014 Annual Report  
April 2014 – March 2015



Report Prepared By:  
City of Fairhope  
Planning Department  
555 South Section Street  
Fairhope, AL 36532

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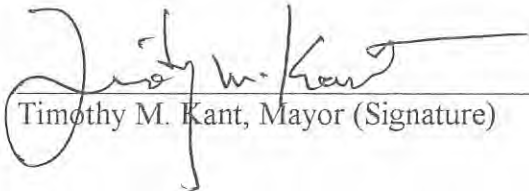
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**1.0 CONTACT LIST AND INTRODUCTION**

**1.1 Certification**

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Timothy M. Kant, Mayor  
Name and Title (type or print)

  
Timothy M. Kant, Mayor (Signature)

2/24/15  
Date

**1.2 List of Contacts**

Address: City of Fairhope  
Post Office Drawer 429  
Fairhope, AL 36533

Phone: (251) 928-2136

Contact Person: Mrs. Kim Burmeister  
Code Enforcement Officer  
City of Fairhope  
Planning Department  
Post Office Box 429  
Fairhope, AL 36533

Phone: (251) 990-2877

### **1.3 General Introduction**

The City of Fairhope operates under the MS4 Phase II General Permit ALR040040. This report includes storm water activity from April 1, 2014 through March 31, 2015. An updated Storm Water Management Plan (SWMP) is submitted to ADEM yearly, most recently in March of 2015 (SWMP 2015). The Storm Sewer Outfall Inventory and Mapping project, a permit requirement, was completed in December of 2012 and is being updated regularly by the Planning Department as new storm water facilities are added.

There are three main receiving streams within the City of Fairhope MS4 area limits, which are also the City limits. The main receiving streams are Fly Creek, Rock Creek and Cowpen Creek. Cowpen Creek has been identified as a 303 (d) stream due to the presence of atmospheric mercury deposition. It is not anticipated that the land uses in the City of Fairhope MS4 watersheds are contributors to the atmospheric deposition of mercury.

### **1.4 Background**

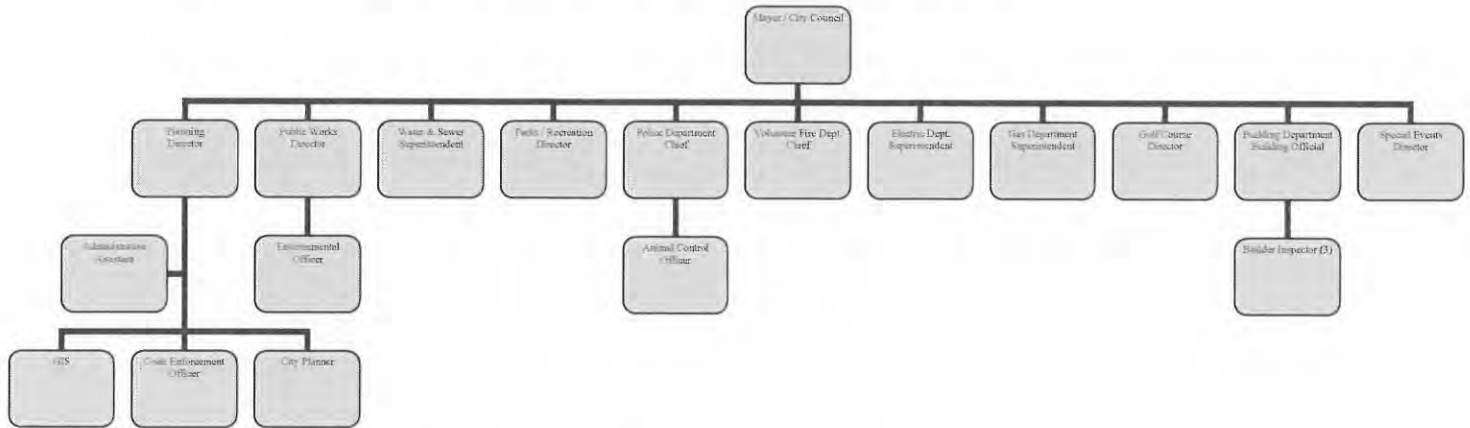
The City of Fairhope is situated on the eastern shore of Mobile Bay in Baldwin County, in southwest Alabama. The 2013 US Census estimated the City's population to be 17,386. The annexed limits, which are also the MS4 area limits, comprises roughly 12 square miles. It is part of the Eastern Shore area with Daphne, Montrose and Spanish Fort to the North.

Sustainable development continues to be a priority in preserving Fairhope's natural resources. Of primary concern is storm water quality, and ultimately the protection of the aquatic resources in Fairhope. The proper utilization of Best Management Practices (BMP's), including phasing of development and minimal land clearing, is a key component to our overall plan for sustainable development.

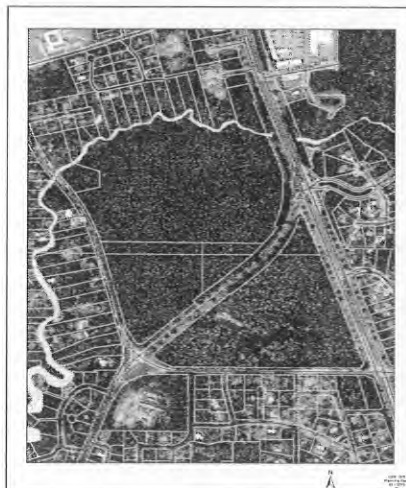
The aquatic resources of the Fairhope Region, including Mobile Bay, Cowpen Creek, Fly Creek and Rock Creek, are essential to the area's economy and the attractiveness of the community to both residents and visitors. Preserving these resources and keeping them healthy is of primary interest to the community and to area leaders.

## 1.5 Program Management

The City of Fairhope Planning Department serves as the lead coordinator of the MS4 program, including the Storm Water Management Plan. Several departments within the City of Fairhope will have a role in Fairhope's MS4 program. In 2014, the City of Fairhope engaged a local engineer (Jade Consulting) to be retained for review of storm water projects, including new development. Below is a flow chart defining roles and responsibilities of each department in the MS4 permitting process:



**The City of Fairhope reduces the discharge of pollutants** on construction sites by requiring structural and non-structural controls, as set forth in plan reviews, storm water standards (within the Subdivision Regulations), *BMP Minimum Requirements*, and BMP inspections. During FY 2014, the City of Fairhope Planning Department conducted preliminary, minor and final subdivision reviews, as well as site plan reviews. The City of Fairhope continues to set examples on Low Impact Design by these methods into City projects. Examples of LID for 2014 include the bio-detention area added to the newly acquired warehouse on Pecan Street East. . Another major acquisition for the City of Fairhope in 2014 is a 108 acre tract at the entrance to Fairhope (Veterans Drive at U. S. Highway 98). This tract is within the Fly Creek watershed, and while exact use is still being determined, it will be used as an expansion of protected green space. The City's purchase of this tract is a major proactive move in watershed protection.



*Pictured: City of Fairhope  
2014 land acquisition, Fly  
Creek Watershed*

**City of Fairhope's Storm Water Management Plan (SWMP)** is available for public review on the City of Fairhope website, as is the current MS4 Annual Report:

[www.cofairhope.com/departments/planning-and-zoning/publications-and-forms](http://www.cofairhope.com/departments/planning-and-zoning/publications-and-forms)

The SWMP is reviewed annually in a public forum, most recently on December 1, 2014, at the City of Fairhope Planning Commission Meeting at City Hall.

**The City GIS database** (using ESRI ArcMap 10.0) continues to be used as an important planning tool and is extremely useful in making future land use decisions. Specific applications relative to storm water include but are not limited to calculating acreage for watersheds, data collation and entry, mapping, etc. The Planning Department coordinates with GIS for Storm Sewer Inventory updates annually.

**The City of Fairhope Natural Resource Inventory**, compiled in 2003, is one planning tool frequently used as reference, and is available for public review on the City of Fairhope website

[www.cofairhope.com/departments/planning-and-zoning/publications-and-forms](http://www.cofairhope.com/departments/planning-and-zoning/publications-and-forms)

Critical areas are researched prior to permit issuance, to further determine the need for special planning and building directives. Another on-line resource frequently used is

Web Soil Survey: [www.websoilsurvey.nrcs.usda.gov](http://www.websoilsurvey.nrcs.usda.gov)

Web Soil Survey is an on-line soil survey resource used to indicate approximate locations and boundaries of hydric soils and streams. This is used, in part, to determine if a wetland delineation will be required (hydric soils are one indication of wetlands).

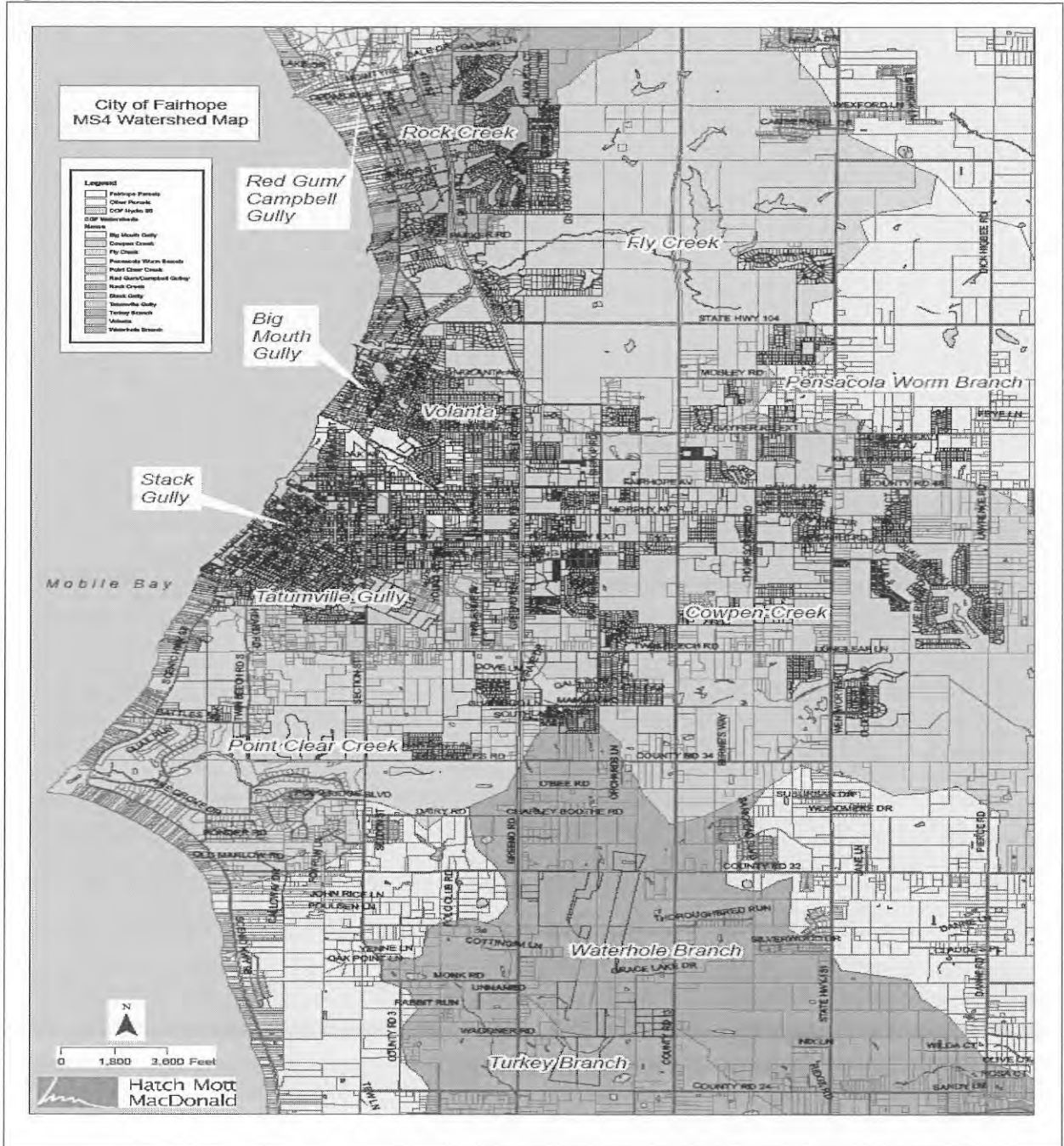


*Pictured: Henry George Park  
in Fairhope*

## 2.0 PROGRAM EVALUATION

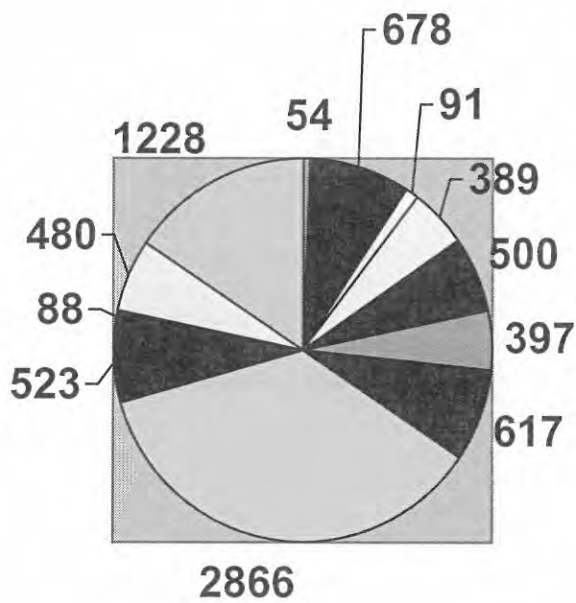
### 2.1 Overview of MS4 Program Area

The City of Fairhope uses a watershed based approach to storm water management. The MS4 area limits (also the annexed City limits) encompass 12 watersheds, and roughly 12 square miles.



**Watershed Acreage of the City of Fairhope MS4 Area Limits**

**\*Priority Construction Area Watersheds (Drains to Weeks Bay)**



- Red Gully
- Rock Creek
- Pensacola / Worm Branch\*
- Volanta
- Big Mouth
- Stack
- Tatumville
- Cowpen Creek\*
- Point Clear Creek
- Turkey Branch\*
- Waterhole Branch\*
- Fly Creek



While all of these watersheds ultimately drain to Mobile Bay, the watersheds located on the East side of U. S. Highway 98 drain to Fish River (and then Weeks Bay) before final discharge into Mobile Bay. The watersheds that drain into Fish River (Weeks Bay) first are: Turkey Branch, Waterhole Branch, Cowpen Creek and Pensacola/Worm Branch.

## **2.2 Reporting Requirements: Compliance with MS4 Requirements**

In February of 2014, the City received an ADEM audit on the MS4 program. In response to the audit, the City has made improvements to the existing storm water program, including:

- a. Rain Garden maintenance (MCM#1)
- b. Illicit Discharge Ordinance amendments (MCM#3)
- c. Standard Operating Procedures for Illicit Discharge (MCM#3)
- d. Standard Operating Procedures for Non-compliant sites (MCM #4)
- e. Citizen Complaints Education (MCM#1)
- f. Priority Construction Site monthly documented inspections (MCM#4)
- g. Litter Education (i.e. “Create a Clean Water Future” campaign) (MCM#1)
- h. BMP improvements at Transfer Station (including hazardous waste management) (MCM#3; MCM#6)
- i. BMP improvements at Mechanic Shop (including hazardous waste management) (MCM#3; MCM#6)

Compliance mechanisms and goals regarding the six minimum control requirements are listed in Section 3.0, 4.0, 5.0, 6.0, 7.0 and 8.0 of this document. Non-compliance issues, as addressed in Section 5.0 (Illicit Discharge Detection and Elimination) and Section 6.0 (Construction Site Storm Water Runoff Control) were resolved promptly. Over 70 Notice of Violations and Stop Work Orders were issued in FY 2014 for non-compliant BMPs. Six (6) illicit discharge complaints were received and addressed. The City of Fairhope effectively reduces, to the maximum extent practical, the discharge of pollutants, including sediment on construction sites, by requiring structural and non-structural controls, as set forth in plan and design reviews, BMP Inspections, enforcement of the Erosion and Sediment Control Ordinance, *BMP Minimum Requirements*, and the storm water standards (within the Subdivision Regulations).

## **2.3 Reporting Requirement: Monitoring – Water Sampling**

The City of Fairhope’s Phase II General Permit does not have monitoring requirements, therefore no water sampling data has been collected for FY 2014. The City is conducting yearly visual screenings (observing effluent water quality, condition of outfall structure, etc.) at the thirteen major watershed outfalls in Fairhope.

Cowpen Creek, located within Fairhope’s MS4 program, is an impaired stream, according to ADEM’s classification for 303 (d) streams. The impairment is “atmospheric mercury deposition”. According to land use data, the City of Fairhope MS4 area is not a contributor to this impairment, therefore the City is not conducting monitoring.

## 2.4 Reporting Requirement: Storm Water Activities

### Post – Catastrophic Event Storm Water Activities (2014)

In April 2014, the City of Fairhope received over 28” of rainfall. April 29<sup>th</sup>’s rain event (13”) was declared a federal disaster, and followed a significant 8” rainfall event on April 14<sup>th</sup>. The City of Fairhope conducted over 45 storm water projects as a direct result of this event, which caused private and municipal property flooding, road wash outs, gully and stream bank erosion and maintenance issues for City infrastructure. This information was provided by the Public Works Director. Total costs of these projects was \$226,000, paid for @ 75% by FEMA; and 12.5% each Baldwin EMA and City of Fairhope:

#### **BIG MOUTH WATERSHED (6 projects)**

1. **Project Name:** *Drain Clean Outs – multiple locations*  
**Completed:** April 2014  
**Description of Project:** Public Works cleaned out clogged drains
2. **Project Name:** *Berm Repair behind Greenhouse*  
**Completed:** June 2014  
**Description of Project:** Public Works repaired washed out berm behind City greenhouse on Nichols Avenue
3. **Project Name:** *Sinkhole Repair – multiple locations*  
**Completed:** July 2014  
**Description of Projection:** Sinkholes around drain boxes were repaired By Public Works by adding soil fill and/or sod
4. **Project Name:** *N. Section Street Gully Stabilization*  
**Completed:** August 2014  
**Description of Projection:** Gully collapsed across from Bayou Drive. Overseen by the Public Works Department, this project employed private contractors. Gully had to be re-stabilized.
5. **Project Name:** *Erosion Repair – multiple locations*  
**Completed:** August 2014  
**Description of Project:** Public Works repaired eroded right of way and park areas, including adding a berm to North Bluff Park (along N. Bayview Street) at the bluff; also installed concrete curbing in some areas to address erosion issues along the right of way
6. **Project Name:** *Stimpson Avenue Outfall Erosion Repair*  
**Completed:** Ongoing (Still under construction as of January 2015)  
**Description of Project:** Public Works Department repaired collapsed outfall at end of Stimpson Avenue



*Pictured: Gully wall after collapse from April's catastrophic rain event (Big Mouth Gully, North Section Street). Photo Credit: John Saraceno*

**Reporting Requirement: Storm Water Activities, cont.**

**Post – Catastrophic Event Storm Water Activities (2014)**

**COWPEN CREEK WATERSHED (7 projects)**

**1. Project Name:** *Road Repair, CR 13 bridge between Manley & Hwy. 44*

**Completed:** June 2014

**Description of Project:** Asphalt contractor was hired to repair sinking road

**2. Project Name:** *Storm Drain Clean Outs – multiple locations*

**Completed:** July 2014

**Description of Project:** Public Works cleaned out clogged drains

**3. Project Name:** *Ditch Clean Out, Hazel Lane*

**Completed:** July 2014

**Description of Project:** Public Works cleaned out ditch

**4. Project Name:** *Quail Creek Golf Course: Dam repair, sidewalk repair and erosion issues addressed*

**Completed:** July 2014

**Description of Project:** Public Works repaired eroded dams; repaired sidewalks which were washed away; stabilized cart path edges (erosion); repaired asphalt wash outs throughout subdivision; and repaired erosion issues on the golf course, throughout.

**5. Project Name:** *Drain Pipe Repair , Nichols Avenue Extension*

**Completed:** July 2014

**Description of Project:** Public Works repaired leaking drain pipe (which caused a sink hole).

**6. Project Name:** *Road Repair @ Thompson Hall Fire Station*

**Completed:** July 2014

**Description of Work:** Public Work repaired road, and added rip rap for stabilization on banks

**7. Project Name:** *Gravel Road Repair , Cottage Drive*

**Completed:** July 2014

**Description of Work:** Public Works regraded road, and added more gravel



*Pictured: Thompson Hall Fire Station , April 14<sup>th</sup>, 2014 (8" Storm). Photo Credit: John Saraceno*



*Pictured: Thompson Hall Fire Station Road Washout; Photo Credit: John Saraceno*

Reporting Requirement: Storm Water Activities, cont.  
Post – Catastrophic Event Storm Water Activities (2014)

**FLY CREEK WATERSHED (9 projects)**

1. **Project Name:** *Ditch Repair – Volanta Avenue*  
**Completed:** May 2014  
**Description of Project:** Public Works regarded the ditch and added sod
2. **Project Name:** *Road Edge Repair: Highway 104 @ Flower Clock*  
**Completed:** June 2014  
**Description of Project:** Public Works added rip rap to stabilize road edge
3. **Project Name:** *Drainage Box Repair @ Cambridge and Bon Secour*  
**Completed:** June 2014
4. **Description of Project:** Public Works repaired hole in drainage box with  
**Project Name:** *Storm Drain Clean Outs – multiple locations*  
**Completed:** July 2014  
**Description of Project:** Public Works cleaned out clogged drains erosion ; and modified two storm drain inlets in Sandy Ford
5. **Project Name:** *Road Repair – South Rolling Oaks*  
**Completed:** July 2014  
**Description of Project:** Public Works repaired road being undermined (backfilled)
6. **Project Name:** *Woodlands Subdivision Concrete Flume*  
**Completed:** July 2014  
**Description of Project:** Public Works installed concrete flume at Shady Lane to address erosion of low area block and concrete
7. **Project Name:** *Berm @ Sandy Ford*  
**Completed:** July 2014  
**Description of Project:** Public Works built a berm along road and added sod, to address flooding issues
8. **Project Name:** *Volanta Sports Park upgrades*  
**Completed:** October 2014  
**Description of Project:** Upgraded existing detention pond to rational engineering methods for 100 year storm event (for sites greater than 20 acres).
9. **Project Name:** *Storm Inlet Modifications – Volanta Avenue; Cuscowilla*  
**Completed:** December 2014  
**Description of Project:** Public Works built a headwall to address culvert erosion

**Reporting Requirement: Storm Water Activities, cont.**

**Post – Catastrophic Event Storm Water Activities (2014)**

**POINT CLEAR WATERSHED (1 project)**

1. **Project Name:** *Fairhope High School storm water pond modification*

**Completed:** December 2014

**Description of Project:** Baldwin County Board of Education built retention pond and modified two existing storm water ponds; this was prompted by City meetings with School Board on local flooding issues. City assisted by receiving sediment removed from ponds.

**ROCK CREEK WATERSHED (3 projects)**

1. **Project Name:** *Storm Drain Clean Out in Montrose (Hillwood Ct.)*

**Completed:** June 2014

**Description of Project:** Public Works blew out City portion of the drain

2. **Project Name:** *Culvert Modification: Rock Creek Sub. (Mockingbird Lane)*

**Completed:** August 2014

**Description of Project:** Public Works added a concrete spillway

3. **Project Name:** *Bridge Repair : Rock Creek Parkway and Beaver Dam*

**Completed:** September 2014

**Description of Project:** Public Works filled eroded areas and concreted the cracks

**TATUMVILLE GULLY WATERSHED (6 projects)**

1. **Project Name:** *Storm Drain Repair – Azalea Court*

**Completed:** May 2014

**Project Description:** Public Works repaired storm drain box wash out

2. **Project Name:** *Storm Drain Clean Outs – multiple locations*

**Completed:** May 2014

**Description of Project:** Public Works cleaned out debris, sediment, etc. from City drains and outfall areas.

3. **Project Name:** *Sinkhole Repair @ City Warehouse (555 South Section)*

**Completed:** June 2014

**Description of Project:** Public Works dug up and repaired sinkhole at warehouse (NE corner at parking area near entrance)

4. **Project Name:** *The Haven, Building Repair (Pipe Failure)*

**Completed:** June 2014

**Project Description:** Public Works repaired building column and support

5. **Project Name:** *Road / Right of Way Repair – multiple locations*

**Completed:** July 2014

**Description of Project:** Public Works added asphalt and repaired roadside washouts base, and built a dam for future protection. Repaired pipe at the road.

6. **Project Name:** *Gully Repair – multiple locations*

**Completed:** July 2014

**Description of Project:** Public Works removed fallen trees, repaired eroded gully banks, and/or repositioned rip rap (Southern Run, Fig Street and Middle Street @ Valley Road).

**Reporting Requirement: Storm Water Activities, cont.**  
**Post – Catastrophic Event Storm Water Activities (2014), cont.**  
**STACK GULLY WATERSHED (7 projects)**

1. **Project Name:** *Storm Drain Repair – multiple*  
**Completed:** June 2014  
**Description of Project:** Public Works replaced missing drain lid, replaced collapsed or leaking pipes, and backfilled/sodded eroded areas around storm drains
2. **Project Name:** *Storm Drain Clean Out – multiple locations*  
**Completed:** June 2014  
**Description of Project:** Public Works removed sediment and debris from clogged drains
3. **Project Name:** *Road Repair @ Cricket Lane; Orange Street; S. Mobile @ Orange St.*  
**Completed:** June 2014  
**Description of Project:** Public Works repaired eroded street edges, added asphalt where washed out (this includes sinkholes in road)
4. **Project Name:** *Seawall Repair @ Nichols Avenue West side of S. Mobile Street*  
**Completed:** June 2014  
**Description of Project:** Public Works repaired the sea wall which was damaged.
5. **Project Name:** *Beach Erosion @ Magnolia Beach (Pier Street)*  
**Completed:** July 2014  
**Description of Project:** Public Works regarded eroded beach areas
6. **Project Name:** *Bluff Repair @ Bayview Drive*  
**Completed:** Public Works added bermed area above North Beach Park, to address bluff erosion
7. **Project Name:** *Bluff Repair @ Henry George Park*  
**Completed:** August 2014  
**Description of Project:** Public Works repaired eroded areas by adding sand and gravel.



*Pictured: Beach erosion at Magnolia Beach Park (Pier Street) after April 2014's storm events. ; Photo Credits: John Saraceno*

**Reporting Requirement: Storm Water Activities, cont.**

**Post – Catastrophic Event Storm Water Activities (2014), cont.**

**VOLANTA WATERSHED (6 projects)**

1. **Project Name:** Ditch Repair: Patlynn @ Claire Court  
**Completed:** July 2014  
**Description of Project :** Public Works filled in eroded areas and added sod
2. **Project Name:** Storm Drain Clean Out – Frederick Street & North Ingleside @ Lillian  
**Completed:** July 2014  
**Description of Project:** Public Works blew out drain
3. **Project Name:** Drain Pipe Repair – North Ingleside  
**Completed:** August 2014  
**Description of Project:** Public Works repaired damaged pipe
4. **Project Name:** Ditch Repair: North Section Street @ Miller Avenue  
**Completed:** August 2014  
**Description of Project:** Public Works dug out the ditch and filled in the eroded areas
5. **Project Name:** Outfall Repair @ Myrtle Avenue  
**Completed:** August 2014  
**Description of Project:** Public Works filled wash out hole with rip rap
6. **Project Name:** Jasmine Park Sidewalk Repair; Erosion issues  
**Completed:** August 2014  
**Description of Project:** Public Works repaired sidewalks and built berm

**Other Storm Water Activities (2014) \*Five (5) Projects not related to April storm event**

**TATUMVILLE GULLY WATERSHED (3 projects)**

1. **Project Name:** *Warehouse Retention Area (Greenhouses)*  
**Completed:** April 2014  
**Project Description:** Public Works added two pipes on the north side of the warehouse greenhouses, to slow velocity of storm water. Also a bermed area was added to divert water flow. This project is being monitored, and more work may be required in the future.
2. **Project Name:** *Tatumville Gully Storm Drain Repair*  
**Completed:** July 2014  
**Description of Project:** This drain box was displaced and partially buried in the gully. Public Works built and installed a new drain box. This issue observed in the 2012 Storm Sewer Inventory implementation.
3. **Project Name:** *Bioretention Area @ 451 Pecan Street East*  
**Completed:** October 2014  
**Description of Work:** Public Works added bioretention area to newly acquired building site.



*Pictured: Bio-detention at 451 Pecan Street (City building)*

**Reporting Requirement: Storm Water Activities, cont.**

**Post – Catastrophic Event Storm Water Activities (2014), cont.**

**STACK GULLY WATERSHED (1 project)**

1. **Project Name:** *Stack Gully Storm Drain Repair*

**Completed:** September 2014

**Description of Project:** Public Works added 70 cubic yards of rubble to the discharge area of this pipe, to stabilize the bluff and to handle the storm water from the pipe. This issue was observed during the 2012 Storm Sewer Inventory implementation.

**COWPEN CREEK WATERSHED \*County Project on City of Fairhope property**

1. **Project Name:** Baldwin Square Detention Pond Upgrades, Morphy Ave.

**Completed:** Ongoing

**Description of Project:** In July 2014, the City of Fairhope acquired ownership of a regional detention area at Baldwin Square Shopping Center off Morphy Avenue. The City of Fairhope partnered with Baldwin County, who undertook engineering to upgrade the pond to accommodate a new BRATs terminal, as well as existing conditions. Existing conditions include stormwater from three other shopping centers, and a portion of U. S. Highway 98. Site work began in the fall of 2014, with an anticipated completion date in the spring (2015). After pond upgrades are complete, the City of Fairhope will accept maintenance of the detention area.

**Proposed Storm Water Activities: Five (5) projects proposed for FY 2015:**

**FLY CREEK WATERSHED (3 projects)**

1. **Proposed Project Name:** *Bioretention Swells @ Plantation Pines* : Public Works has plans to add bioretention swells to the right of ways within this subdivision (which lacks true detention areas). This was a planned project for 2014; however, the April 2014 catastrophic storm event damage repair took precedence over planned projects. Completion Expected: December 2015
2. **Proposed Project Name:** *Bioretention Area @ North Section Street near Creek Drive*: Public Works has plans to add bioretention to the right of way. This was a planned project for 2014; however, the April 2014 catastrophic storm event repairs took precedence over planned projects. Completion Expected: December 2015
3. **Proposed Project Name:** *Volanta Park Detention Pond Upgrades* : Public Works has plans to upgrade this detention pond further, to most recent engineering methods. Completion Expected: December 2015.

**TATUMVILLE WATERSHED (2 projects)**

1. **Proposed Project Name:** *Bioretention Area @ Middle Street*; Public Works has plans for a drainage study in this area, with possibility of adding bioretention area to the ditch/right of way, to address flooding issues. Completion Expected: December 2015.
2. **Proposed Project Name:** *Bioretention Area @ Morphy & Mershon*; Public Works has plans to add bioretention areas to the right of way in this area to address erosion issues on private property. Engineered construction plans are underway. Completion Expected: December 2015.



## 2.5 SWMP: Changes for FY 2015

The City of Fairhope is proposing a few minor changes to the Storm Water Management Plan. A Public Hearing (Planning Commission Meeting @ City Hall) was held, which included our annual Storm Water Management Plan review, on December 1, 2014. The changes reflected in SWMP 2015 are:

1. MCM#1: Public Education and Outreach
  - a. BMP added (#9): Create a Clean Water Future campaign adoption noted.
2. MCM#2: Public Involvement / Participation  
(no changes)
3. MCM#3: Illicit Discharge Detection and Elimination
  - a. BMP amended (#1): The City of Fairhope Illicit Discharge Ordinance has been revised
  - b. BMP amended (#2): Standard Operating Procedure (SOP) has been added for illicit discharge detection and enforcement.
4. MCM#4: Construction Site Stormwater Run Off Control
  - a. BMP amended (#3): Standard Operating Procedure (SOP) has been added under Code Enforcement for non-compliant construction sites
  - b. Measure Goal #3 has been removed / cancelled (Building Official will not be acquiring Qualified Credentialed Inspector certification).
5. MCM#5: Post Construction Stormwater Management
  - a. BMP added (#11): Standard courtesy letter periodically sent to property owners of potentially failing stormwater facilities has been noted.
6. MCM#6: Good Housekeeping / Pollution Prevention
  - a. BMP amended (#7): "Vehicle / Equipment Washing" has been revised to include information on the "Tire Rinse" drain at Public Works



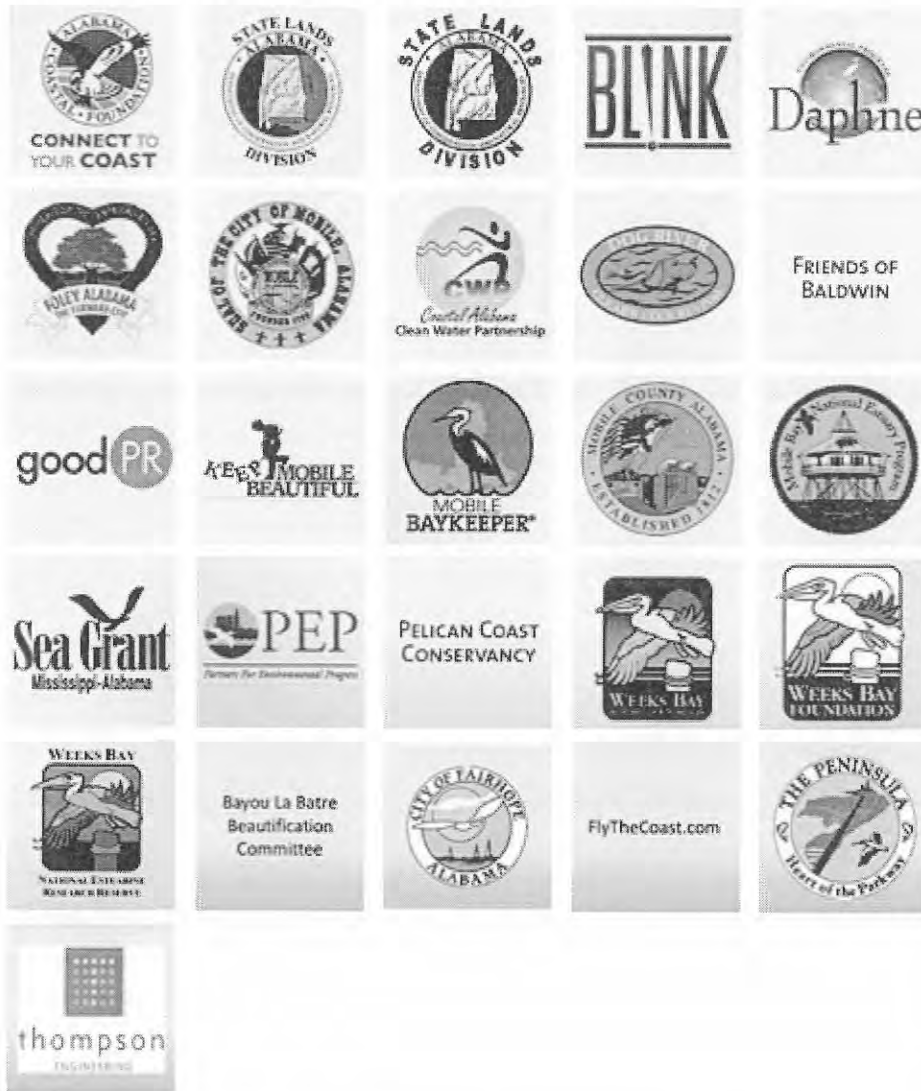
*Pictured: Tire Rinse Area signage at Public Works*

**2.6 Reporting Requirement: Government Entity Alliances (City, County, etc.)**

While the City of Fairhope is under a Phase II general permit separate from any other municipality or county entity, education and data will frequently be shared with Daphne, Spanish Fort and Baldwin County. In 2014, the City of Fairhope partnered with the Coastal Alabama Stormwater Team (CAST), and joined the Create a Clean Water Future campaign. As a collective community, we will rely on information being shared on a regular basis.

**The Partners**

The Create a Clean Water Future campaign was developed by the Coastal Alabama Stormwater Team (CAST), a coalition of community leaders and organizations working together to help communities in coastal Alabama address one of the biggest challenges to our way of life – stormwater runoff. Click on the logo of your local organization below and find out how you can get involved with Create a Clean Water Future activities in your community.



Source: [www.cleanwaterfuture.com](http://www.cleanwaterfuture.com)

## 2.7 Reporting Requirement: Six Minimum Control Measures

The SWMP addresses the Six Minimum Control Measure (MCM) requirements:

- a. Public Education and Outreach on Stormwater Impacts
- b. Public Involvement / Participation
- c. Illicit Discharge Detection and Elimination (IDDE)
- d. Construction Site Run Off Control
- e. Post Construction Stormwater Management in New Development and Re-development
- f. Pollution Prevention / Good Housekeeping for Municipal Operations

The City of Fairhope complies with each MCM through BMPs (Best Management Practices) and “Measurable Goals”. The Measurable Goals (and status of each) for 2014 are listed below:

### *Public Education and Outreach on Storm water Impacts (Section 3.0)*

1. Stormwater Workshop/Conference by Planning Department Staff.  
Status: Complete  
Continue for 2015? Yes
2. Stormwater Article in City Sketches  
Status: Complete  
Continue for 2015? Yes
3. Erosion & Sediment Control Workshop for City Employees  
Status: Complete  
Continue for 2015? Yes

### *Public Involvement/Participation (Section 4.0)*

- 1. Public Educational Meeting on Stormwater**  
Status: Complete  
Continue for 2015? Yes (Mandatory)
- 2. Public Review of SWMP**  
Status: Complete  
Continue for 2015? Yes (Mandatory)

### *Illicit Discharge Detection and Elimination (Section 5.0)*

- 1. Update Storm Sewer Outfall Inventory**  
Status: Complete  
Continue for 2015? Yes (Mandatory)
2. Smoke Test by Water Department  
Status: Complete  
Continue for 2015? Yes
3. Public Works Dept. Meeting to address Waste Management Crews on Illicit Discharge Detection  
Status: Complete  
Continue for 2015? Yes
- 4. Dry Weather Screening of 13 major outfalls**  
Status: Complete  
Continue for 2015? Yes (Mandatory)

*Construction Site Storm water Runoff Control (Section 6.0)*

1. QCI Recertification by Planning Dept.: (1) Code Enforcement Officer  
Status: Complete  
Continue for 2015? Yes
2. QCI Recertification of Building Dept. (3) Building Inspectors  
Status: Complete  
Continue for 2015? Yes
3. QCI Certification: Building Dept. (1) Building Official  
Status: Incomplete / Canceled  
Continue for 2015? No / Cancelled/Removed

*Post-Construction Storm water Management in New Development and Redevelopment (Section 7.0)*

1. Rain Barrel Workshop  
Status: Complete  
Continue for 2015? Yes
2. Creek / Shoreline Assessment  
Status: Complete  
Continue for 2015? Yes
3. LID Manual – Implement Creation  
Status: Complete  
Continue for 2015? Yes

*Pollution Prevention/Good Housekeeping for Municipal Operations (Section 8.0)*

1. Memo to all departments reminding employees of good housekeeping practices  
Status: Complete  
Continue for 2015? Yes
2. **Dry weather screening of Public Works facility**  
**Status: Complete**  
**Continue for 2015? Yes (Mandatory)**
3. Commercial Pesticide Applicators License by Parks and Recreation Director.  
Status: Complete  
Continue for 2015? Yes

More details on “Measurable Goals”, as well as BMPs, can be found within each MCM Section.

A summary of each of the six (6) Minimum Control Measures follows:

### 3.0 MINIMUM CONTROL MEASURE # 1: PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS

- **Requirements:** Implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff.
- **Responsible Persons:** Planning Department; Building Department; Public Works Department; Special Events Coordinator
- **Rationale Statement:** In 2014, the City of Fairhope supported public education through the Fairhope Environmental Advisory Board (FEAB) and the Fairhope Planning Commission. FEAB is an environmental advisory board which meets is scheduled to meet monthly. The Planning Commission is a formal public forum offering the community an opportunity to learn more about upcoming development projects. The City of Fairhope Planning Department provides notifications and postings for these public meetings.

The City of Fairhope adopted the “Create a Clean Water Future” campaign in July of 2014 (Resolution No. 2249-14). This campaign is being used to educate citizens on pollution prevention (storm water and litter). The Create a Clean Water Future program is a public service campaign spearheaded by the Mobile Bay National Estuary Program, The City of Fairhope has added “Create a Clean Water Future” stickers to many City vehicles, and is using the logo and link on the City of Fairhope website, and on City publications.

Citizen Complaints / Comments: The City of Fairhope receives complaints and comments, including storm water issues, from citizens by having a “General Contact” number listed on the City of Fairhope website. The number (251) 928-8003 is available 24/7 (directed to the Police Department after hours). This number is publicized frequently in City Sketches (quarterly newsletter to residents). An article emphasizing the Create a Clean Water Future program and the general contact number is on the agenda for City Sketches, Spring 2015.

The City of Fairhope takes part in several community events each year, such as Coastal Clean Up, Mobile Area Earth Day (by offering an area for this event and by offering recycling at the event) and Arbor Day (by offering education on the importance of trees, and by giving away seedlings). These events collectively reach over a 1,000 residents. Public Works coordinates these efforts.

## **PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS. , cont.**

The City of Fairhope supports public access to volunteer water testing results by posting a link to Alabama Water Watch on the City website. The Alabama Water Watch program provides volunteer water testing at three locations within the City limits monthly. Testing parameters include turbidity, dissolved oxygen, ph, temperature, and e coli.

**Target audience** for the City educational mechanisms are developers, contractors, landscapers, business owners, land owners, home owners and City employees. Pollutants of concern are sediment, oil residue from parking lots, pesticides, herbicides, fertilizers and pathogens.

**Target pollutants** for this reporting period are:

- a. Sediment
- b. Pathogens

**Sediment deposition** is a major concern in Fairhope, since it is a terrain bordered by many gully systems, tributaries and three major creeks (Fly Creek, Rock Creek and Cowpen Creek). The Fairhope Planning Department is continually working to balance the rights of property owners with watershed and natural resource protection. In 2014, the Planning Department continued to address sediment pollution (and flooding issues) through the Citizen Storm Water Facility Awareness Project, which is detailed below:

**Citizen Storm water Facility Awareness Project:** An inventory of the City of Fairhope's storm sewer infrastructure (including private/subdivision storm water facilities) was conducted in 2012. As part of this study, and added to areas of reoccurring storm water concerns, a list was derived of properties which may have failing or inadequate storm water facilities. The Planning Department, in conjunction with the Public Works Department, drafted and has sent out more than 30 courtesy letters to property owners so far (seven in 2014). The letter requests storm water facility assessment, to ensure the storm water facility is still functioning as designed. Three storm water facilities have been evaluated/upgraded as part of this program. This project serves as an outreach effort by the Planning Department / Public Works Department to correct or assess deficient storm water facilities, so that downstream properties (including water bodies) be better protected from flooding and runoff. . The City receives feedback and requests additional information as a part of this effort. Usually, the notified property owner is a subdivision Property Owner Associations, (POA). This project helped to facilitate coordination of assessments on many of these private properties, which were mostly older retention/detention ponds within subdivisions (exempt from the 2007 Subdivision Regulation amendment, requiring a three-year maintenance program). The most common feedback comment is a request for "Engineer of Record", which provided the POA or property owner with a direction to assess the storm water facility for their respective subdivision. This information is provided by the City of Fairhope Planning Department free of charge.

## **PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS, cont.**

**Site Plan Reviews and BMP Inspections reduce sediment pollution:** Between January and December of 2014, the Building Department issued over 450 permits for land disturbing activities (including single family, commercial new development, site work and demolition of structures) in the annexed limits (MS4 area). The City of Fairhope Planning Department averaged about seventeen (17) residential reviews monthly (for construction of single family homes). Effective land use planning (through the Subdivision Regulation and Zoning Regulations) aid in storm water management. The Planning Department has one QCI certified employee (Code Enforcement Officer) and the Building Department has three QCI certified employees (Building Inspectors). The Code Enforcement Officer and the Building Inspectors inspect for and locate site BMP inefficiencies. QCI training provides the City of Fairhope with a mechanism to guide and oversee contractors construction practices, as it relates to storm water. Local contractors are notified daily (on-site) of correct BMP/ sediment / erosion control practices, through interaction with inspection and Code Enforcement personnel.

**Pathogens** are a high priority storm water pollutant concern. The Baldwin County Health Department monitors swimming area water quality, and issues swimming advisories accordingly. Signage is placed at the North Park Beach entrance to alert residents of any Baldwin County Health Department swimming advisories. The ADEM Beach Monitoring link has been added to the City website (Planning Department page), to inform residents of most recent pathogen levels tested (at North Beach Park).

<http://www.adem.alabama.gov/programs/coastal/beachMonitoring.cnt>

## **PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS, cont.**

- **BMP** methods used for educational outreach:
1. Brochures
  2. Public Educational Meetings
  3. City Website ([www.cofairhope.com](http://www.cofairhope.com))
  4. Existing Demonstration projects (Rain Garden, Wetland Pond)
  5. Community Events
  6. Employee Certifications and Training
  7. Employee Erosion and Sediment Control (BMP) Workshop
  8. Pet Waste Bags in Parks
  9. Create a Clean Water Future ([www.cleanwaterfuture.com](http://www.cleanwaterfuture.com)) (Litter / Storm Water Pollution program)

**BMP # 1: Brochures** promoting green space and storm water management, available at City offices:

1. *Greener by the Yard* , Weeks Bay Watershed Project
2. *Fairhope Gullies*, joint effort of Mobile Bay National Estuary Program, Fairhope Single Tax, and the City of Fairhope
3. *Parks of Fairhope* , joint effort of the FEAB and the City of Fairhope
4. *Storm Water Management*, by EcoSolutions, created for the City of Fairhope
5. *Field Guide for Erosion and Sediment Control on Construction Sites in Alabama*, by Alabama Soil and Water Conservation Committee
6. *City Sketches*, quarterly newsletter for Fairhope residents. City Sketches will have at least one article yearly to focus on storm water related topics (including litter control). Also available on City website
7. *What is a Phase II Small MS4?* Brochure compiled by the Eastern Shore MS4 Storm water Education Outreach Team, available at the City of Fairhope Planning Department and Public Works building.
8. *Understanding Your Stormwater Management Program*; this 5minute video, produced by and shared with the permission of the Mobile Bay National Estuary Program, is an informational source for elected officials, and the general public. It briefly explains the importance and requirements of our local MS4 program. Available on the City of Fairhope website: [www.cofairhope.com/departments/planning-and-building/publications-and-forms](http://www.cofairhope.com/departments/planning-and-building/publications-and-forms)



## PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS, cont

### BMP #2: Public Educational Meetings:

#### 1. LID Meetings

- a. Planning Commission – July 7<sup>th</sup>  
Thompson Engineering gave a 15 minute Power Points presentation on possible LID regulation options
- b. Planning Commission (Special Meeting) – August 21  
Thompson Engineering gave a 15 minute presentation on possible LID regulation options
- c. Roundtable Discussion – Stakeholder Meeting @ Fairhope Public Library  
Thompson Engineering / City of Fairhope Planning Department hosted a one hour meeting to discuss possible LID regulation incorporation into the City of Fairhope Subdivision Regulations

#### 2. Town Hall Meeting – October 20, 21, 22

City of Fairhope Planning Department hosted three one hour meetings to discuss changes to the Comprehensive Plan, including topic discussions on infrastructure/storm water.

#### 3. Earth Day – April 19<sup>th</sup> @ Fairhope South Beach Park

City of Fairhope Planning Department hosted a booth for local watershed and storm water information

#### 4. Rain Barrel Workshop – August 23<sup>rd</sup> @ City of Daphne City Hall

Hosted by City of Daphne (City of Fairhope assisted with the event, and sent email notifications out to Fairhope subdivision POA's as advertisement, in addition to advertising in the lobby of Public Works and City Hall).



*Pictured: City of Fairhope  
Planning Department employee  
assisting with Rain Barrel  
Workshop in Daphne, August  
2014*

## **PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS, cont.**

**BMP # 3: City Website** ([www.cofairhope.com](http://www.cofairhope.com)) has informative links for:

1. Alabama Water Watch (“Visiting”)
2. City Rain Garden (“Planning Department”)
3. Waste Management (“Public Works”)
4. MS4 Annual Report / Storm Water Management Plan (“Planning Dept.”)
5. Zoning Ordinance (“Planning Department”)
6. Subdivision Regulations (“Planning Department”)
7. *Understanding Your Stormwater Management Program*; 5 minute video produced and shared with the permission of the Mobile Bay National Estuary Program. It is an informational source for elected officials and the general public. This media clip briefly explains the importance and requirements of our local MS4 program. Available on the Planning Department page.
8. *Create a Clean Water Future* ([www.cleanwaterfuture](http://www.cleanwaterfuture))
9. Municipal Code of Ordinances (“Planning Department”)
  - a) Erosion and Sediment Control Ordinance (#1398)
  - b) Red Soils Ordinance (# 1423)
  - c) Wetlands Ordinance (#1370)
  - d) Construction Site Waste Ordinance (#958)
  - e) Illicit Discharge Ordinance (#1516)

**BMP # 4: Demonstration projects** continue to provide educational signage:

(Responsible Department: Public Works)

- a. Wetland Pond @ North Beach Park – this simulated Wetland Pond was created several years ago, to reduce pathogens entering Mobile Bay, from duck pond water run off. The pond features native plants and is a joint project from the MBNEP and City of Fairhope. Public Works maintains this pond.
- b. Rain Garden @ City Hall – this 480 square foot rain garden was installed by City employees in 2003, to treat run off from 2,600 square feet of asphalt from the City Hall parking lot. This project was funded in part by Gulf Coast Resource Conservation and Development. Public Works maintains this pond monthly. Details of this project, and the benefits of rain gardens, is available on the City of Fairhope website ([www.cofairhope.com](http://www.cofairhope.com)).

## PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS, cont.

### **BMP # 5: Community Events** in FY 2014 (Responsible Department: Public Works Director; Special Events Coordinator)

- a. *Mobile Area Earth Day* (April 2014). This event was held at South Beach Park in Fairhope. City of Fairhope Public Works Department hosted and provided waste management and recycling services for this event. The Planning Department provided a Watershed Map of the City of Fairhope, educating residents on which watershed they live in, and provided information on City of Fairhope storm water standards.
- b. *Coastal Clean Up* (September 2014). This is a community beach clean up event, organized by local volunteers. Over 4 tons of garbage were collected. This event was advertised in the City newsletter *City Sketches* (Fall 2014). City provided garbage pickup.
- c. *America Recycles Day* (November 2014). This event, highlighting e-waste recycling and paper recycling (shredding of documents), was held at the City of Fairhope Public Works facility on November 15<sup>th</sup>.
- d. *Arbor Day* (February 2015). This event is held at Faulkner State Community College campus in Fairhope yearly. In 2014, The City gave away about 1,500 seedlings.



*Pictured: Coastal Clean Up Volunteers @ Fairhope's North Beach Park (Sept. 2014)*

## PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS, cont.

### **BMP # 6: Employee Certifications / Training, FY 2014:**

1. The City of Fairhope has staff certified for the proper application of pesticides and herbicides. This certification by the State of Alabama Department of Agriculture and Industries encourages proper application and use, which contributes to less pesticide and herbicide run off into area waters:

-State of Alabama Department of Agriculture and Industries Pesticide Applicators Certification (3 year certification):

- a. Public Works: Horticulturist: Permit # 14654 (Exp.:10/15)
- b. Public Works: Landscape Sup., #13571, (Exp.: 12/28/2015)
- c. Golf Course Grounds Supervisor, # 13550 (Exp.: 12/28/2015)
- d. Parks and Recreation Supervisor, # 13268 (Exp. 11/28/2016)

2. The City of Fairhope has staff certified and knowledgeable in Storm Water Management:

-Planning Dept;

Qualified Credentialed Inspector, or "QCI":

- a. Code Enforcement Officer, recertified in November 2014 (QCI # 25712-Expires 10/2015)

-Building Department

Qualified Credentialed Inspector, or "QCI":

- a. Building Inspectors (2), recertified in 2014:  
(QCI# 65045-Expires October 24, 2015)  
(QCI#64077-Expires March 22, 2015)

-Planning Dept. Certified Storm water Inspector:

- a. Code Enforcement Officer, certified in November 2012  
Certificate # 4764 (National Storm water Center Course)  
Expires 11/2017



*Pictured: City of Fairhope Building Inspector with QCI certificate (2014)*

## **PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS, cont.**

### **BMP #7: Employee Erosion and Sedimentation (or BMP) Workshop**

The City of Fairhope Planning Department and Building Department host an annual employee Erosion and Sedimentation Workshop at City facilities. The purpose of this workshop is to remind employees of the Construction Site Storm Water Runoff Control standards required by the City of Fairhope. State and Federal regulations are also reviewed. Emphasis is placed on right of way and utility work, as well as other planned and emergency projects, as may be applicable to the different City of Fairhope departments. A local storm water professional is invited to be a guest speaker at the event, to offer an outside view on storm water standards from the State and Federal level. City staff reviews City of Fairhope regulations and ordinances regarding storm water standards, which apply to contractors, developers, land owners and City projects. Each department within the City is expected to send employees such as crew leaders, assistant supervisors and/or supervisors. The Planning Department and the Building Department facilitate this effort. In October 2014, 42 employees attended the annual workshop at the Nix Center in Fairhope. Jade Consulting attended as the guest speaker for the event, highlighting LID projects he has worked on for the City and in this area.

### **BMP # 8: Pet Waste Bags in City Parks**

Pet waste bag dispensers are available in City parks, including the Dog Park and Stimpson Field. Pet waste bags are available free to the public, and encourage removal of pet waste from public areas. In 2014, approximately 70,000 pet waste bags were used city-wide (based on re-orders by Animal Control), at a cost of over \$6,000 to the City of Fairhope. The Animal Control Officer (under the Public Works Department) is responsible for keeping pet waste bag dispensers full, and for enforcement of City Ordinance #988, which requires owners to clean up after their pets on public property. This helps keep pet waste (and therefore pathogens) out of storm drains and area waters.

Responsible Person(s): Public Works Department (Animal Control Officer)

### **BMP #9: Create a Clean Water Future Campaign**

The City of Fairhope adopted Resolution # 2249-14 in July 2014. This logo is being used on the City of Fairhope website and publications, as well as over 60 City of Fairhope vehicles. The website ([www.cleanwaterfuture.com](http://www.cleanwaterfuture.com)) contains valuable resources for City employees, residents and educators to use in our community. Promotional materials were purchased (water bottles, frisbees and stickers) to get the word out about this campaign. In addition to internal outreach through staff meetings, Community Outreach for this campaign includes a watershed ad in the local Fairhope High School Football Program for 2014, and water bottle hand-outs at local cub scout meetings, discussing storm water pollution and environmental matters.

PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS, cont.

**Did you know that Fairhope High School is in the Fish River Watershed?**

**Let's protect OUR territory  
Put it in the CAN Pirate fan  
Only Losers LITTER.  
GO PIRATES!**

Hut Hut! Don't flick the butt! Cigarette butts are litter, too.

Sack your trash!

Don't get blind-sided by dirty water.

Littering is like punting on 1<sup>st</sup> down.

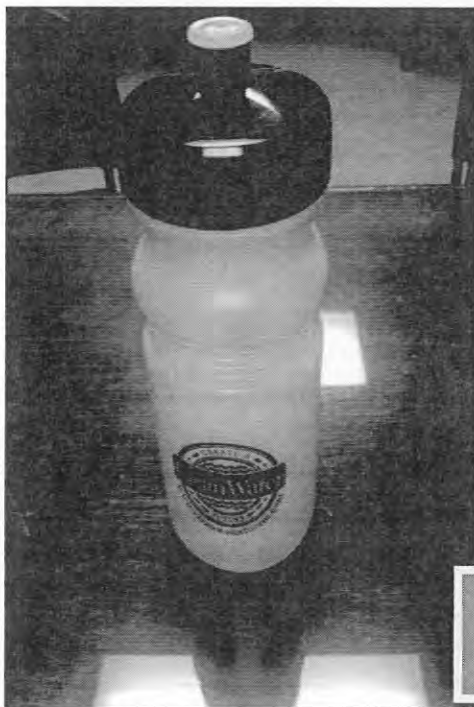
Let's win one for Fish River!

Carry the ball! Our goal is a Clean Water Future.

The City of Fairhope and the Mobile Bay National Estuary Program are Creating a Clean Water Future One School at a Time. For more information please visit [www.cleanwaterfuture.com](http://www.cleanwaterfuture.com)

A watershed is defined as the area of land that drains to a particular stream or water body.

*Pictured: Create a Clean Water Future football program ad (FHS: 2014)*



*Pictured: Create a Clean Water Future water bottle*

➤ **Measurable Goals:**

**Measurable Goals – Recap For 2014:**

**1. Storm Water Related Workshop, Seminar for Planning Department Staff**

**Status:** Complete

**Comments:**

- a. April 26 – 30: Planning Director attended 5-day event “106<sup>th</sup> National Planning Conference” in Atlanta, GA. Stormwater related sessions/workshops attended were: “Addressing Flood Risk in Coastal Louisiana”, “Shared Stormwater Systems as Economic Incentives”, “Atlanta’s Urban Forest: Growing Connections”, “Green Parking and Sustainable Mobility”, “Green Infrastructure for Community Health”, “Urban Waters and Green Infrastructure” and “Comprehensive Planning for Sustainability”.
- b. October 2014: City Planner attended a one day event “Urban Planning for headwater wetlands and coastal water quality” Workshop, held at 5 Rivers Delta Center, Spanish Fort, AL. Sponsored by the MS-AL Sea Grant Consortium. This event included speakers and a field trip.
- c. October 9, 2014: Code Enforcement Officer participated in the “Clear Water Alabama” field day (all day) event starting at 5 Rivers (Spanish Fort).
- d. November 2014 : Code Enforcement Officer attended a four hour event for on-line training: “Qualified Credentialed Inspector”. This recertification program is offered by the Home Builders Association of Alabama.
- e. November 2014: Code Enforcement Officer attended a 2 hour LID Presentation by Christian Preus: This event was held at Isabella’s in Fairhope; new LID techniques and LID projects along Coastal Alabama and Mississippi were discussed.
- f. January 14, 2015: Code Enforcement Officer attended 2 hour meeting: “Eastern Shore Phase II MS4’s Annual Meeting” (Daphne, AL)
- g. January 27, 2015: City Planner attended 4-day LID workshop: “Coastal Low Impact Development Design Workshop Series”, at Weeks Bay Reserve Resource Center (Jan. 28 – 29; Feb. 25-26, 2015)



*Pictured: Public Works employee signs in for the 2014 Erosion and Sediment Control Workshop for City employees (Nix Center, October 2014).*

## PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS, cont.

### 2. Storm Water Article in *City Sketches*

**Status:** Complete (Fall 2014)

**Comments:** Article on Coastal Clean Up Event in Fall 2014 issue. *City Sketches* is a quarterly newsletter which goes out to all residents.

### 3. BMP Workshop for City Employees

**Status:** Complete (October 2014)

**Comments:** Planning Department hosted an Erosion and Sediment Control Workshop for City employees. This event targeted utility and construction crews. Workshop lasted 1.5 hours. Guest speaker: Trey Jinright, Jade Consulting. Forty-two City employees attended this event, which reviewed City, State and Federal regulations, and general guidelines for BMP placement and monitoring.

### Measureable Goals For 2015:

#### 1. Storm Water Education / Seminar

**Responsible Department :** Planning Department

**Goal:** Staff shall attend one storm water related workshop, conference or seminar annually

**Due:** December 2015

#### 2. Storm Water Article in *City Sketches*

**Responsible Department:** Public Works

**Goal:** Ensure there is at least one storm water related article in *City Sketches* (quarterly newsletter for citizens) per year

**Due:** December 2015

#### 3. Erosion and Sediment Control Seminar for City Employees

**Responsible Department:** Planning Department

**Goal:** Host workshop for City employees to demonstrate BMP techniques, minimum standards for storm water compliance.

**Due:** December 2015

**Who Should Attend**

- Representatives from construction firms that utilize/install BMPs on their sites
- Road builders and engineers
- Representatives from firms that prepare erosion control/stormwater plans
- County and city engineers and/or representatives from staff
- Representatives of local Home Builders Association and Associated General Contractors
- Representatives from the Alabama Department of Transportation
- Inspectors from the Alabama Department of Environmental Management
- Representatives of Soil and Water Conservation District Boards and field employees
- City and county officials (county commissioners, city council, and planners)
- Representatives of Natural Resources Conservation Service field offices

The Alabama Erosion and Sediment Control Partnership Presents

2014  
Clear Water  
Alabama  
Seminars and  
Field Day

Pictured: Clear Water Alabama Field Day brochure (2014)



#### 4.0 MINIMUM CONTROL MEASURE # 2: PUBLIC INVOLVEMENT / PARTICIPATION

- **Requirements:** At a minimum, comply with State and local public notice requirements when implementing a public involvement/participation program.
- **Responsible Persons:** Planning Department; Building Department
- **Rationale Statement:** The City of Fairhope offers opportunities for public review, involvement and participation in the City of Fairhope Storm Water Management Program (SWMP). The SWMP and the MS4 Annual Report are posted on the City website, under the Planning Department page, “publications” ([www.cofairhope.com](http://www.cofairhope.com)). The Planning Commission, a group of appointed volunteers who offer insight and approval on Planning Department procedures and policies, meets monthly. The meeting is open to the public. In FY 2014, the Planning Commission held twelve (12) monthly meetings, which were open to the public. Frequent topics of discussion are storm water standards and options for upcoming projects (such as subdivisions and commercial development). In December 2014, the Planning Commission meeting was utilized as a public review forum for the SWMP and related ordinances. The Planning Department is responsible for coordination of these efforts. Storm water issues, as well as other environmental concerns, are frequently addressed at the Fairhope Environmental Advisory Board, which is scheduled to meet monthly. The City of Fairhope Planning Department offers a City employee liaison to attend, take minutes for and facilitate this meeting monthly.

The City of Fairhope complies with State and local public notice requirements for Public Meetings.

In Fall 2014, the City of Fairhope held “Town Hall Meetings”, to discuss updates to the City of Fairhope Comprehensive Plan, which was originally adopted in 2000 (last updated in 2006). The meetings were held in three different locations (and on three different dates), to give everyone in the community the opportunity to attend and participate. The speakers gave a visual presentation and then engaged the citizens to make comments and suggestions on each topic discussed. One topic was “Infrastructure”, which addressed stormwater and drainage. Collectively over 200 citizens attended the meetings. In December, a stakeholders meeting was held with the public to finalize LID regulation incorporations into the existing Subdivision Regulations.

## MINIMUM CONTROL MEASURE # 2: PUBLIC INVOLVEMENT / PARTICIPATION Cont.



### Target audiences:

- a. Homeowners
- b. Subdivision Property Owner Associations
- c. Environmental groups
- d. Educational groups
- e. Commercial business owners

### ➤ BMPs used for Public involvement of Public Meetings:

1. BMP#1: Ads in newspapers as per legal requirements
2. BMP#2: City Hall posting of notices for public meetings
3. BMP#3: Subdivision Property Owner Association Contact List (email)
4. BMP#4: City of Fairhope Planning Commission: The Planning Commission is a monthly meeting (first Monday of each month at 5 p.m.). It is held at the Fairhope Civic Center and is open to the Public. The objective and purpose is to promote health, safety, morals and general welfare of present and future residents of Fairhope and to bring about the coordinated and efficient development of the City.
5. BMP #5: Fairhope Environmental Advisory Board (FEAB): The City of Fairhope Planning Department facilitates monthly volunteer meetings on environmental issues. This volunteer based advisory board which currently has 5 members makes recommendations to City leaders, and offers a third party evaluation of City procedures and regulations. Frequently the topic is storm water management. The FEAB met three times in the 2014 MS4 period, but did not meet quorum. FEAB by-laws state that the Board must have between 6 to 10 members. More board members are being considered to meet the minimum requirement of 6 members.
6. BMP#6: Recycling Committee—This committee's main goal is to support the City of Fairhope Recycling program. Reducing the waste stream reduces landfill impacts, playing a role in storm water quality. The Recycle Committee also will be offering input, from a citizen viewpoint, on how to operate the recycle program in a clean and efficient manner.

**MINIMUM CONTROL MEASURE # 2: PUBLIC INVOLVEMENT / PARTICIPATION  
Cont.**

➤ **Measurable Goals**

**Measurable Goals, Recap For 2014:**

**1. Facilitate Storm Water Educational Public Meetings**

**Status:** Complete (2014)

**Comments:**

- a. FEAB –The Fairhope Environmental Advisory Board met 3 times in 2014 but did not meet quorum
- b. Planning Commission: held 12 meetings (one per month) to discuss upcoming subdivisions, new development, and regulation changes. The agendas and minutes of these meetings are available on the City website ([www.cofairhope.com](http://www.cofairhope.com))
- c. Earth Day – April 19<sup>th</sup> @ South Beach Park, Fairhope. Planning Department sponsored a booth with local watershed information; Public Works hosted a Recycle booth, as well as free electronic recycling, and paper shredding.
- d. Town Hall Meetings – October 2014: Three public meetings held to discuss changes to the City of Fairhope Comprehensive Plan.
- e. LID Meetings:
  - a. July 7, 2014: Planning Commission Meeting: Thompson Engineering and City of Fairhope Planning Department: 30 minute Power Points presentation; “LID Progress Report”
  - b. August 21, 2014: Planning Commission Meeting: Thompson Engineering and City of Fairhope Planning Department: one hour special meeting to discuss LID regulation incorporation progress/options.
  - c. December 11, 2014: “Roundtable Discussions” at the Fairhope Public Library: City of Fairhope Planning Department and Thompson Engineering: 2 hour LID Regulations project discussion. This meeting finalized regulation changes (LID) into existing City Subdivision Regulations.

**2. SWMP Review**

**Status:** Complete (December 2014)

**Comments:** The Storm Water Management Plan (2014) and related ordinances were reviewed by the Planning Commission on December 1, 2014. Planning Department facilitated this public review. Public notices were sent to subdivision POA groups, and as per legal requirements.

**MINIMUM CONTROL MEASURE # 2: PUBLIC INVOLVEMENT / PARTICIPATION  
Cont.**

**Measurable Goals For 2015:**

**1. Public Educational / Public Input Meeting for Storm water**

**Responsible Department:** *Planning Department*

**Goal:** Facilitate at least one educational meeting per year (such as through FEAB), for the community; send email and/or other notices out accordingly (*Planner*). This meeting will allow the public to offer input on the City of Fairhope's storm water plans and policies (in regards to new and improved development).

**Due:** December 2015

**2. SWMP Review**

**Responsible Department:** Planning Department

**Goal:** Facilitate review of storm water management plan yearly, through public forum such as Planning Commission and/or City Council. Send out notices accordingly. (*Planning Director*)

**Due:** December 2015

City of Fairhope Planning Commission Agenda 5:00 PM Council Chambers December 1, 2014	
1.	Call to Order
2.	Approval of November 3, 2014 Minutes
3.	Consideration of Agenda Items:
A.	UR 14.09 Request of Jeff Hadley of AT&T for an 11.52.11 Utility Review and approval of the proposed installation of approximately 3,100 linear feet of underground cable. The project will run on the south side of Fairhope Avenue and the west side of N. School Street.
B.	SD 14.19 Public hearing to consider the request of Barton & Shumer Engineering, LLC for Preliminary and Final Plat approval of McMillin Subdivision, a 2-lot minor division. The property is located on the south side of the intersection of Equity Street and Nichols Avenue. Parcel #: 05-46-03-37-0-013-007.000
C.	SD 14.20 Public hearing to consider the request of Moore Engineering, LLC for Preliminary and Final Plat approval of Lyrene # 2 Subdivision, a 2-lot minor division. The property is located at the northeast corner of the intersection of Lyrene Lane and State Highway 104. Parcel #: 05-46-01-01-0-000-001.004
D.	SD 14.21 Public hearing to consider the request of Hutchinson, Moore & Rauch, LLC for Preliminary and Final Plat approval of the Pate House Subdivision, a 2-lot minor division. The property is located on the west side of Colony Drive just north of Battles Road. Parcel #: 05-46-09-30-0-006-075.000
E.	ZC 14.13 Public hearing to consider the request of Hutchinson, Moore & Rauch, LLC to rezone property from RA Residential/Agriculture District to B-4 Business and Professional District. The property is located on the east side of State Hwy. 181 just north of Margaret Drive, at 2055 State Hwy. 181. Parcel #: 05-46-06-14-0-000-001.502
F.	SR 14.05 Request of Joan Moore of Two Moore, LLC for Site Plan review and approval of the Moore House. The property is located on the east side of Section Street, just south of Oak Avenue, at 152 N. Section Street. Parcel #: 05-46-03-37-0-007-066.514
G.	SWMP Review and Approval
4.	Old/New Business
	= Election of Officers
	= 2015 Agenda Schedule

*Pictured: SWMP Approval: Planning Commission Agenda (Dec. 2014) and Minutes of meeting below*

**Storm Water Management Plan (SWMP) review and approval, Kim Burmeister.** Mr. Smith stated the City of Fairhope operates under the Municipal Separate Storm Sewer System (MS4) Phase II General Permit Number ALR040040 and the SWMP is a yearly permit requirement. He stated the review and approval is also required as part of the permit. He added the SWMP is available for public review on the City's website. Mr. Smith explained there are seven changes in the 2015 SWMP and five of them are due to the City's ADEM review. Jennifer Fidler made a motion to approve the 2015 Storm Water Management Plan (SWMP) as written. George Roberds 2<sup>nd</sup> the motion and the motion carried unanimously.

### 5.0 MINIMUM CONTROL MEASURE # 3: ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

- **Requirements:** Develop, implement and enforce a program to detect and eliminate illicit discharges into the regulated MS4; Develop and maintain a storm water map; Effectively prohibit to the maximum extent practical under State or local law, through ordinance, or other regulatory mechanism, non-storm water discharges into the MS4 and implement appropriate enforcement procedures and actions; Develop and implement a plan to detect and address non-storm water discharges, including illegal dumping, to the system that are not authorized by a separate NPDES permit; Inform public employees, businesses, and the general public of the hazards that are generally associated with illegal discharges and improper disposal of waste; Address non-storm water discharges or flows (such as residential and charitable car washes) where they are identified as significant contributors of pollutants to the MS4.
- **Responsible Persons:** Planning Department; Building Department, Water and Sewer Department, Volunteer Fire Department, Public Works Department
- **Rationale Statement:** Illicit discharges include any discharge into a storm drain system that is not composed entirely of storm water (or tap water). The City of Fairhope has an IDDE program, which is based on enforcement of our Illicit Discharge Ordinance (Ordinance # 1516). The Illicit Discharge ordinance was amended in 2014 to include enforcement of all private property, not just “facilities”. In FY 2014, the Planning Department responded to and addressed six (6) illicit discharge complaints. These complaints included:
  - Restaurant outside rinsing practices (x2)
  - Restaurant grinder pump failure
  - Greasy sheens reported behind restaurant
  - Shopping center paint stains at storm drain
  - City water line rupture @ Fly Creek

Since there is no industry within Fairhope, monitoring emphasis is placed on municipal activities, restaurants, automobile repair shops, and those areas zoned M-1 (Light Industrial). Storm drains in these areas are checked periodically by the Building Officials, Code Enforcement Officer, and the Environmental Officer, to ensure rinse activities are in designated areas. Non-compliance issues are documented and followed up on with appropriate enforcement action.

## ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) , CONT.

- **BMPs** used for IDDE program compliance:
  1. BMP#1: Illicit Discharge Ordinance #1516
  2. BMP#2: Code Enforcement Officer (Planning Department; Building Department)
  3. BMP#3: Environmental Officer (Public Works Department)
  4. BMP#4: Residential Curbside Cooking Oil Recycling Program
  5. BMP#5: Household Hazardous Waste drop off site for residents
  6. BMP#6: *Greener by the Yard* pamphlet
  7. BMP#7: Staff Meetings
  8. BMP#8: City of Fairhope Watershed Map
  9. BMP#9: City of Fairhope Storm Sewer Inventory Map/GIS Data / Storm Sewer Inventory Booklet
  10. BMP#10: Volunteer Fire Department
  11. BMP #11: Create a Clean Water Future Campaign



*Pictured: Household Hazardous Waste @ Public Works Recycle Center (Jan. 2015)*

## ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) , CONT.

**BMP # 1: Illicit Discharge Ordinance # 1516** (amended from Ordinance 1081 in 2014) prohibits anything other than rain water from entering City drains. Penalty for non-compliance: \$500. It states:

(a)

It shall be unlawful for any person, firm, or corporation to discharge a pollutant into the City of Fairhope's Municipal Separate Storm Sewer System (stormwater system) in the City of Fairhope Police Jurisdiction that will have a deleterious impact on the environment. Any pollutant, associated with an industrial or commercial activity that is covered by the National Pollutant Discharge Elimination System as dictated by 40 CFR 122.26, can be discharged to the city stormwater system only if the discharge is covered by, an NPDES permit for stormwater.

(b)

Where an illicit discharge is reasonably believed by the city to be originating from private or public property, structure, or other facility, it shall be the right of the city to designate employees, bearing proper credentials and identification, to enter property or facility grounds for the purpose of inspection, observation, measurement, sampling and testing in accordance with this article.

(c)

Authority is hereby granted to the city by and through its duly designated enforcement officers to halt any discharge from private or public property, structure, or other facility that is reasonably believed by the city to be potentially harmful to human health or the environment.

(d)

All costs incurred by the city in association with the ceasing of a potentially harmful discharge will be reimbursed by the property owner of the discharging property, structure, or facility. The city may charge the cost against the subject land as a municipal lien, charges to be recovered in a suit at law against the owner.

(e)

The penalty for violation of any provision of this ordinance shall be as specified for general penalty in section 1-8 of the Code of Ordinances of the City of Fairhope.


Responsible Person(s) for Illicit Discharge Ordinance: Planning Department (Code Enforcement Officer); Public Works Department (Environmental Officer); Building Department (Building Official)

## ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE), CONT.

### BMP # 2 Code Enforcement Officer (Planning Department)

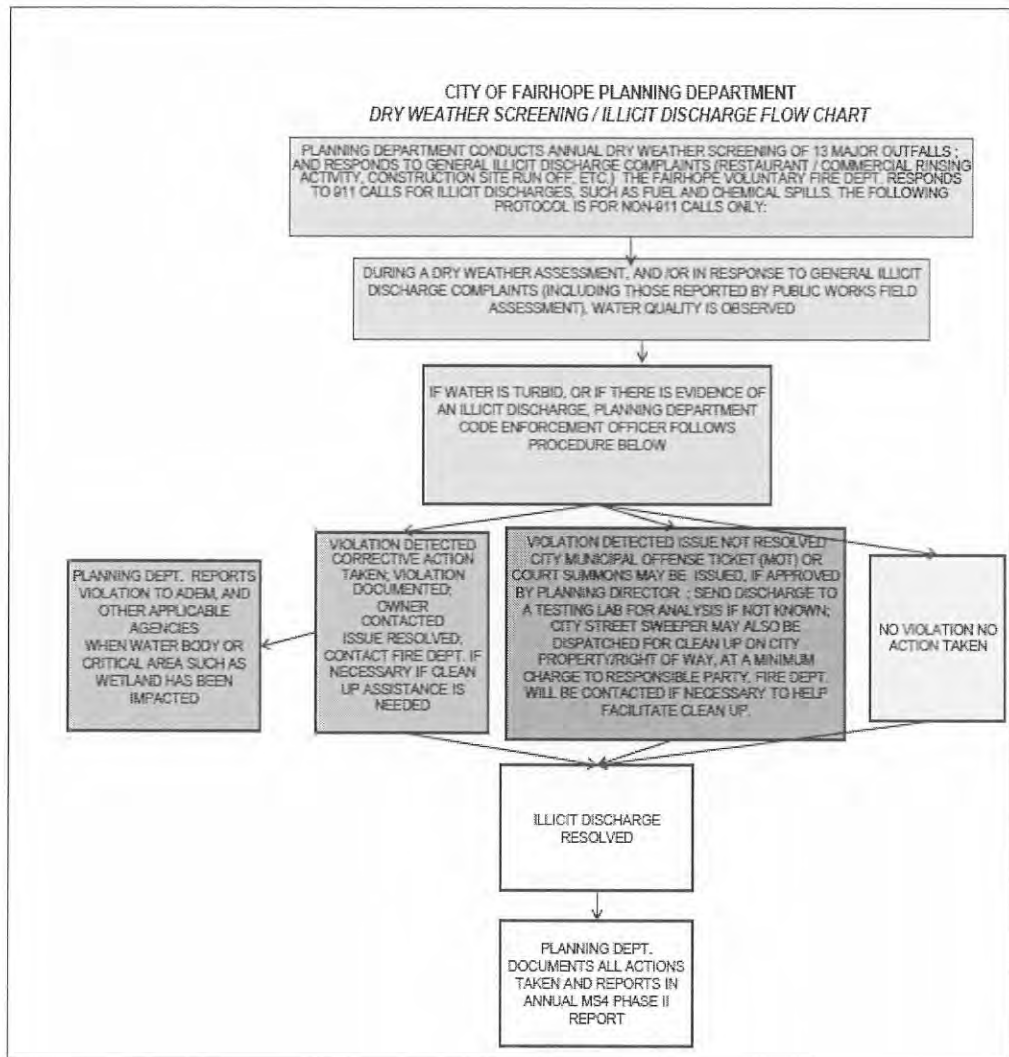
The City of Fairhope employs a Code Enforcement Officer full time, in part, to investigate and issue corrective action on illicit discharge issues.

Standard Operating Procedures (SOPs) were developed in 2014:

	<p>Planning Department Illicit Discharge Standard Operating Procedure (SOP) (Dry Weather Screening / Field Assessments)</p>
<p><b>Background and Introduction</b></p> <p>Dry weather screening and field assessments of storm water infrastructure is a key element to proper Illicit Discharge Detection and Elimination. Annual dry weather screening is a requirement of the City's NPDES storm water permit # ALR040040. The City's Planning Department conducts annual dry weather screening of the 13 major outfalls, as determined by the Storm Sewer Inventory of 2012. Additionally, the Public Works Department (Street Division) oversees maintenance and year around general field assessments of City right of way and storm water infrastructure, during routine job duties. Additionally, the Planning Department investigates and issues enforcement on general Illicit Discharge complaints, such as commercial / residential rinsing and run off, and construction site rinsing and run off. The Fairhope Voluntary Fire Department responds to and is responsible for follow up on 911 based Illicit Discharges (such as chemical / fuel spills). The Fairhope Voluntary Fire Department is responsible for contacting the Emergency Management Agency on 911-based complaints.</p> <p><b>General Concepts</b></p> <p>City of Fairhope Public Works Department is continuously maintaining and observing City right of way and storm water infrastructure through routine field assessments (during and after significant rain events). The Planning Department conducts a documented annual "Dry Weather Screening" of 13 major outfalls within the City of Fairhope MS4 jurisdiction. This screening is documented in the MS4 Annual Report.</p> <p><b>Field Assessments / Dry Weather Screening</b></p> <p>If a potential illicit discharge is detected during a field assessment, the Public Works supervisor in charge will notify the Planning Department to validate the illicit discharge. The Planning Department Code Enforcement Officer will then follow protocol listed in the flow chart attached for Dry Weather Screening. If a potential illicit discharge is detected during a dry weather screening, protocol will be followed according to the flow chart, attached for Dry Weather Screening.</p> <p><b>Annual Dry Weather Screening is conducted at the following locations (Major Outfalls):</b></p> <p>1. Fly Creek @ Sea Cliff Drive; 2. Rock Creek @ Ecor Rouge Drive; 3. Pecan Street Pier (North); 4. Pecan Street Pier (South); 5. Fig Street flume; 6. Magnolia Beach Condos (North); 7. Magnolia Beach Condos (South); 8. Orange Street Pier; 9. Magnolia Beach Condos (Central flume); 10. Volanta Avenue end tributary; 11. South Beach Park (South end) 12. Fairhope Pier (South side); 13. Gayfer Court tributary</p> <p><b>Reporting</b></p> <p>The Planning Department Code Enforcement Officer will ensure proper notification of other City Departments and environmental agencies (by email, telephone or mail). Non-compliant sites will be handled according to the SOP for Non-compliant Site Reporting Procedures. All enforcement action such as Municipal Offense Tickets and Court Summons are authorized by the Planning Director before issuance.</p>	
<p><b>Site Inspection</b></p> <p>The Planning Department Code Enforcement Officer performs a Site Inspection to validate or dismiss the potential illicit discharge. If it is necessary to look up into a storm drain pipe, the City of Fairhope Water and Sewer Department will be called upon to assist. The Water and Sewer Department owns a sewer camera which is used to look up into pipes, up to 200'. Beyond 200', the City of Fairhope contracts out a local company having the capability of videoing up to 500' of storm pipe or sewer line. If necessary, Fire Department would be dispatched to provide haz-mat preparation and facilitate clean-up, which would initiate a 911-based response. Otherwise, the Planning Department reports any water body or critical area impact to the appropriate State/Federal agency (ADEM/ USCOE).</p> <p><b>Sampling</b></p> <p>If a general illicit discharge is observed, and the nature of the discharge is not known, the City of Fairhope Planning Department will sample the discharge to determine what it is. Test America is one company (out of Mobile, AL) the City has used in the past for storm water analysis.</p> <p><b>Enforcement &amp; Follow-up</b></p> <p>If the report is validated, the Planning Department Code Enforcement Officer will contact the responsible party and take all necessary steps (approved by Planning Director) needed to stop the illicit discharge which may include any and all actions documented in the City's Illicit Discharge Ordinance. Corrective action may also include dispatch of the City of Fairhope Street Sweeper for clean up on City property and right of way, at a \$300 minimum charge to the responsible party. Enforcement action such as Municipal Offense Tickets and/or Court Summons must be authorized by the Planning Director.</p> <p><b>Documentation</b></p> <p>All observations and actions will be documented in a report which will be tracked in the Planning Department Code Enforcement Officer's database and reported to ADEM in the City's Annual MS4 Phase II Report.</p>	



**ILLCIT DISCHARGE DETECTION AND ELIMINATION (IDDE) , CONT.**



**BMP #3: Environmental Officer (Public Works)**

The City of Fairhope employs an Environmental Officer full time, in part to manage the waste management operations, and to enforce waste management laws of the City.

**BMP # 4: Cooking Oil Recycling:** Sanitation and recycling crews are trained in Public Works staff meetings to report illegal dumping / rinsing activities, including inappropriate disposal of cooking oil. The City of Fairhope has a curbside cooking oil recycling program for residents. In FY 2014, over 875 gallons of cooking oil were recycled through this program. Containers for cooking oil collection are available free upon request to residents. Restaurants are not allowed to dispose of oil within the City of Fairhope garbage stream. The Public Works Department acquired a new container for collection of the cooking oil, and this container is stored at the Transfer Station. This program is overseen by the Public Works Environmental Officer.

**ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) , CONT.**

**BMP # 5: Household Hazardous Waste:** The City of Fairhope Public Works Department manages a household hazardous waste (HHW) drop off site for Residents, free of charge. Overall, over 715 gallons of hazardous materials (paints, thinners, motor oil and anti-freeze) were recycled. The HHW drums are kept secured and closed when not in use. A new bermed/contained area for HHW storage area (located at the Recycle Center) was constructed in 2014, and will be used to store HHW drums. Some HHW drums are still stored at the Transfer Station as well (which drains to the Waste Water Treatment Plant). The HHW encourages the correct disposal of paints, motor oil and other chemicals. In FY 2014, the City recycled or remediated, through the HHW site:

- a. 215 gallons of anti-freeze / motor oil
- b. 501 gallons of paints and thinners
- c. 183 tires
- d. 28 tons of e-waste
- e. 342 units of fluorescent light bulbs
- f. 1 pallets of automobile batteries

The City mechanic shop operates under its own ADEM permit number. This shop manages hazardous waste (mineral spirits, motor oil, anti-freeze) from its daily operation. All containers are kept closed, secured and covered at all times (and drums are placed on convex spill proof pallets or other secondary containment measures).

**BMP # 6: Greener by the Yard Pamphlet**

This is a publication by the Weeks Bay Watershed Project, and it is available in hard copy (Planning Department) and on-line:  
[www.cofairhope.com/home/showdocument?id=306](http://www.cofairhope.com/home/showdocument?id=306)

**BMP # 7: Staff Meetings**

Planning Department and/or Building Department hold a meeting with staff monthly. Public Works Department holds a meeting with staff weekly. These departments are instrumental in implementing the MS4 / storm water program.

**BMP # 8: City of Fairhope Watershed Map**

This watershed map, available for public viewing in the Planning Department and the Public Works Department, is used for staff drainage and development assessments, over and above on-site evaluations. The watershed map is featured in Section 2.4

**BMP # 9: Storm Water Map / Outfall Inventory:** The City of Fairhope hired a local engineering firm to locate and collect data at outfalls and structural BMPs (including privately owned storm water facilities) in 2012. Over 600 data points were shot. The City of Fairhope Storm Sewer Inventory consists of:

- a. Mapping of the outfalls and structural BMPs
- b. GIS data points of each outfall / structural BMP
- c. Storm Sewer Inventory Booklet (which contains a hard copy sheet of each data sheet for each point of interest).

The GIS Department (a division of the Planning Department) updated the Storm Sewer Inventory in January of 2015, to include four new data points:

- a. Battles Trace subdivision (retention pond off site)—Point Clear Creek Watershed
- b. Villas at Point Clear subdivision (detention pond)—Point Clear Creek Watershed
- c. Saddlewood subdivision (detention pond)—Cowpen Creek Watershed
- d. Nature's Trail subdivision (retention pond)—Cowpen Creek Watershed

Thirteen major outfalls (into Mobile Bay) are indicated in the Storm Sewer Inventory (the Planning Department does a visual assessment of these drains annually):

1. Fly Creek @ Sea Cliff Drive: the Creek
2. Rock Creek @ Ecor Rouge Drive: the Creek
3. Stack Gully (S. Mobile Street @ Pecan Avenue, North side of pier): Pipe
4. Stack Gully (S. Mobile Street @ Pecan Avenue, South side of pier): Pipe
5. Stack Gully (S. Mobile @ Orange Street): Pipe
6. Tatumville Gully (Magnolia Beach, South side): Pipe
7. Tatumville Gully (Magnolia Beach, North side): Pipe
8. Stack Gully (Mobile Street @ Fig Street): Pipe / flume
9. Tatumville Gully (Magnolia Beach, center): Flume
10. Volanta (end of Volanta Avenue, South side); tributary
11. Stack Gully (Fairhope Avenue @ South Beach Park): Pipe
12. Stack Gully (Fairhope Avenue @ Pier, South side): Double-Pipe
13. Big Mouth Gully (end of Gayfer Court): tributary

The map and data inventory includes over 600 outfalls and storm water facilities (including the 13 major outfalls).

Example of data sheet from Storm Sewer Inventory Booklet (2014 data point):

City of Fairhope Storm Sewer Inventory

Point Clear Creek Watershed

Data File Name: PCC-72840



*Battles Trace subdivision, Phase I; Lake @ Lakewood Golf Club*

Address of storm water facility: Beaver Creek Drive (Lakewood Golf Club)

Property PIN# 029244 for Battles Trace subdivision; 72840 for storm water pond

Material: Earthen (1) Retention pond (lake)

Type: Open Drainage (OD)

Category: Private (subdivision)

Comment: Lake is 2.1 acres; Subdivision reference SD 13-18; This subdivision's (Phase I) storm water facility is the lake across Battles Road in Lakewood Golf Club (Property PIN# 72840)

Outfall: Point Clear Creek

**BMP #10: Volunteer Fire Department; Fuel Spills:** The Fairhope Volunteer Fire Department is responsible for responding to and facilitating removal of fuel / chemical spills. According to the Fire Chief, there were no documented fuel/chemical responses by the Fire Department in 2014.

**BMP #11: Create a Clean Water Future Campaign**  
(See "Public Education" pg. 21 for more details)



**ILLCIT DISCHARGE DETECTION AND ELIMINATION (IDDE) , CONT.**

➤ **Measurable Goals**

**Measurable Goals - Recap For 2014:**

**1. Storm Sewer Outfall Inventory & Mapping Update**

**Status:** Complete (January 2015)

**Comments:** GIS updated the Storm Sewer Inventory to include four new data points (for the watersheds: Point Clear Creek & Cowpen Creek). See pg. 43, BMP#9.

**2. Smoke Test on Sewer Lines**

**Status:** Complete (December 2014)

**Comments:** In May of 2014, the Water and Sewer Department conducted smoke testing of an estimated 11,500 linear feet of sewer line, to detect leaking lines or illegal discharges. This testing was done in the Tatumville Gully watershed area. Approximate addresses of testing spots:

- a. 600 block of Dogwood Avenue
- b. 100 block of Ertle Street
- c. 300 block of Mershon Street

Findings: 1. Lateral hole in the pipe (repaired same day by Water and Sewer Department). 2. Leaking pipe on private property (owner repaired within 15 days).

**3. Employee Educational Meetings on Illicit Discharge**

**Status:** Complete (December 2014)

**Comments:** Planning Department Code Enforcement Officer presented the “Create a Clean Water Future” campaign, and the “Red Fish Tales”, a 15 minute video on storm water pollution and littering to the Public Works Department (April 14<sup>th</sup>, 2014) and the Electric Dept. (August 21, 2014). The Public Works Department also held a staff meeting on Littering on Jan. 8, 2015. Collectively, over 60 employees were present at these meetings. Create a Clean Water Future stickers were placed on approximately 60 City vehicles and equipment (utility departments, Building Department and Planning Department), to.

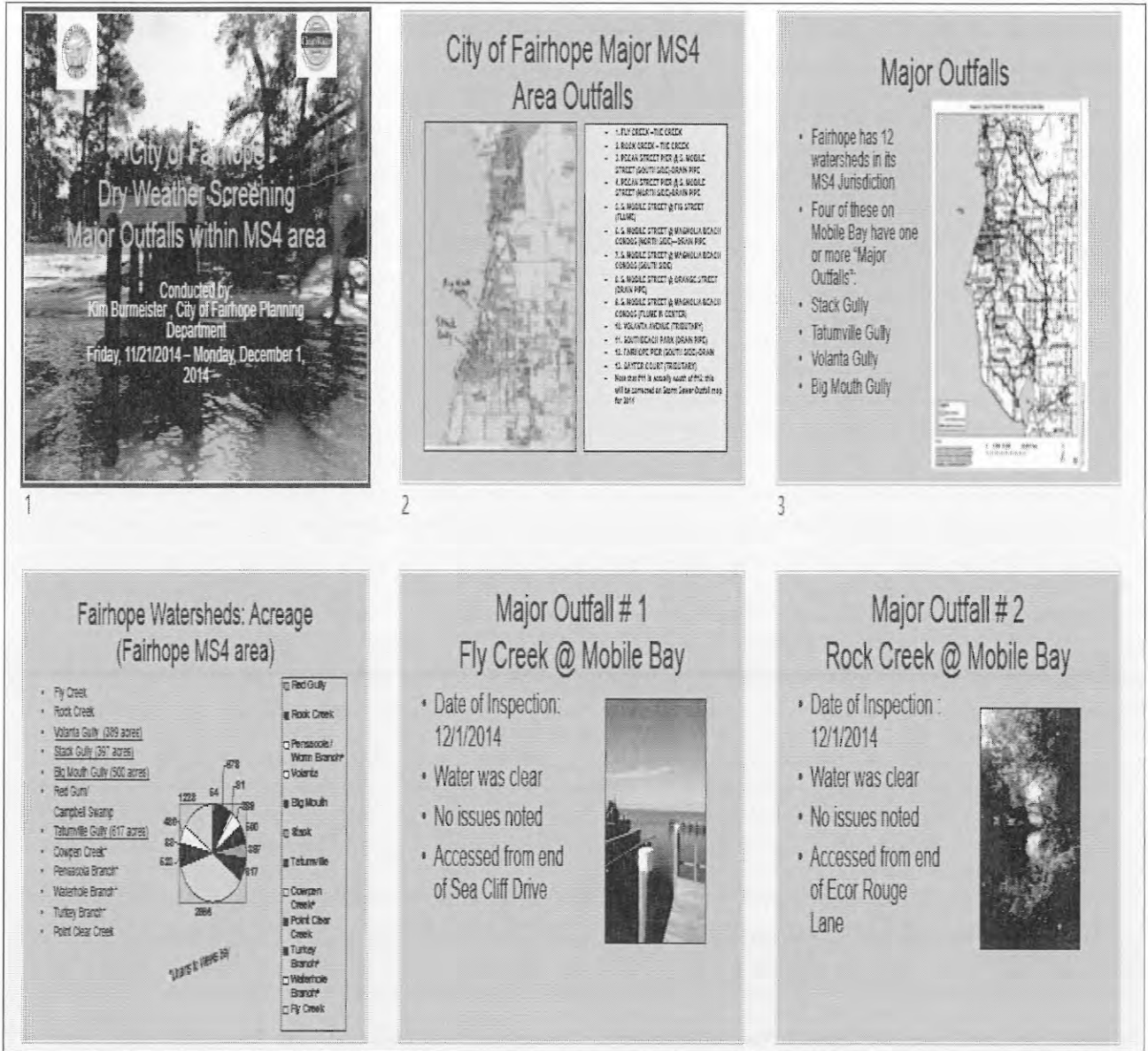


*Pictured: Public Works vehicle with Create a Clean Water Future sticker*

#### 4. Dry Weather Screening of Major Outfalls

Status: Complete (December 2014)

Comments: In December 2014, a visual dry weather screening was conducted of the 13 major outfalls. Report is below:



Major Outfall # 3  
Pecan Street Pier Outfall-South (@ S.  
Mobile Street)

- Date of Inspection (by kayak): 11/21/2014
- Name: Pecan Street Pier (South side)
- Watershed: Stack Gully
- Description: Drain pipe on South side of the Pecan Street Pier. It was not discharging at time of inspection



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Major Outfall # 4  
Pecan Street Pier Outfall - North (@ S.  
Mobile Street)

- Name: Pecan Street Pier (North side)
- Watershed: Stack Gully
- Major Outfall Number: 4
- Description: Drain pipe on North side of the Pecan Street Pier. It was not discharging at time of inspection



8

Major Outfall # 5  
Fig Street @ S. Mobile Street

- Date of Inspection (by kayak): 11/21/2014
- Name: Fig Street Outfall
- Watershed: Stack Gully
- Description: Flume discharging to the beach (was not discharging at time of inspection).
- Reported broken rubble to Public Works



9

Major Outfall # 6  
Magnolia Beach Townhomes

- Date of Inspection (by kayak): 11/21/2014
- Name: Magnolia Beach Townhomes (North)
- Watershed: Tatumville
- Description: Drain pipe on north parking lot area. This drain did not appear to be discharging at time of inspection.



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Major Outfall # 7  
Magnolia Beach Townhomes

- Date of Inspection (by kayak): 11/21/2014
- Name: Magnolia Beach Townhomes (South)
- Watershed: Tatumville
- Description: Drain pipe located at the south parking lot area. Drain did not appear to be discharging at time of inspection.
- Close up picture of drain pipe taken from parking lot area on 11/26/2014.



11

Major Outfall # 8  
Orange Street Pier

- Date of Inspection (by kayak): 11/21/2014
- Name: Orange Street Pier
- Watershed: Stack Gully
- Description: Drain pipe located at Orange Street Pier. It was not discharging at time of inspection




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### Major Outfall # 9 Magnolia Beach Townhomes

- Date of inspection (by kayak): 11/21/2014 and (by road) 12/1/2014
- Name: Magnolia Beach Townhomes (Center)
- Watershed: Talonville
- Description: Concrete flume located between two townhome buildings. Flume was not discharging at time of inspection. Accumulated sand/sediment has been previously reported to Magnolia Beach POA.




Street view taken 11/20/2014

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### Major Outfall #10 Volanta Gully Tributary


- Inspected (by kayak) on 11/21/2014
- Name: Volanta Gully
- Watershed: Volanta Gully
- Located just South of our launch site Natural tributary (Volanta Gully) which outfalls to Mobile Bay
- Tributary was not discharging at the time of the paddle



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### Major Outfall # 11 South Beach Park


- Date of inspection: 12/1/2014
- There was no discharge at time of inspection
- No issues noted
- End of Southbeach (South end)



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### Major Outfall # 12 North Beach Park (Fairhope Pier) @ Fairhope Avenue


- Date of Inspection: 11/21/2014
- Name: Fairhope Pier (South side)
- Watershed: Stack Gully
- Double drain pipes were not discharging at time of inspection



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### Major Outfall # 13 Gayfer Court Outfall

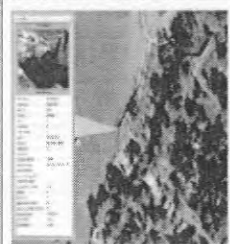
- Date Inspected (by kayak): 11/21/2014
- Name: Gayfer Court Outfall
- Watershed: Big Mouth
- Major Outfall Number: 13
- Natural tributary at end of Gayfer Court
- Shallow discharge observed
- Clear water
- Reported concrete rubble on shoreline to Public Works



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### Note: Error in Storm Sewer Inventory Outfall Map

- Major Outfall Number: Outfall #11 on the map; map: North of #12
- Actually #11 is South of #12 (see data page)
- Storm Sewer Inventory Data Page shows correct location for #11 and #12
- #11 is located in South Beach Park
- #12 is located on the south side of the Fairhope Pier
- Reported to GIS for correction on 11/22/2014. This will be reflected for the 2014 Storm Beach Inventory Map



Storm Sewer Inventory Data Page For Major Outfall #11

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## In Conclusion

- MS4 Measurable Goal for "Dry Weather Screening" of Major Outfalls has been completed (13 drains were inspected).
- Dry Weather Screening of the major outfalls from a water perspective is a unique way to observe these drains. In the past two years, the visual inspection has been by land.
- None of the major outfalls were discharging at time of inspection.
- #9 (Magnolia Beach Condos center flume) was noted as having a sewer smell (reported to Water and Sewer Dept. Superintendent on 11/21/2014)
- #9 (Magnolia Beach Condos center flume) was noted as having accumulation of sediment – reported to Planning Director and Public Works Director for evaluation (POA has been contacted about this in the past 12 months).
- Storm Sewer Inventory Major Outfall Map was spot checked for location of drains (as per map numbers), and one error was found (#11), and reported to GIS for correction in the 2014 update map.

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## ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) , CONT.

### Measurable Goals For 2015:

**1. Storm Sewer and Outfall Inventory Update**

**Responsible Department:** Planning Department

**Goal:** Update inventory annually, to include new development, redevelopment and corrections. *(GIS)*

**Due:** December 2015

**2. Smoke Test on Sewer Lines**

**Responsible Department:** Water Department

**Goal:** Conduct smoke test on priority sewer lines annually to detect leaking sewer pipes or illegal connections. Document findings and corrective action taken *(Water and Sewer Superintendent)*

**Due:** December 2015

**3. Public Works Illicit Discharge Detection Meeting**

**Responsible Department:** Public Works

**Goal:** Alert and remind waste management crews to look for illicit discharge indicators such as sheen in or near storm drains, leaking dumpsters, etc. *(Public Works Director)*

**Due:** December 2015

**4. Dry Weather Screening of Major Outfalls**

**Responsible Department:** Planning Department

**Goal:** Assess the thirteen major outfalls  
*(Code Enforcement Officer)*

**Due:** December 2015



*Pictured: Orange Street  
Pier storm drain pipe  
(Major Outfall # 8)*

## 6.0 MINIMUM CONTROL MEASURE # 4: CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

- **Requirements:** Develop, implement, and enforce a program to reduce pollutants in storm water runoff from construction activities. The program shall include ordinances (to require erosion and sediment controls), requirements for construction site operators to control waste; procedures for site plan review; procedures for receipt and consideration of information submitted by the public; and procedures for site inspection and enforcement of control measures (i.e. BMP inspections) including monthly inspections (and documentation) for “priority construction sites”, which are those draining to the Outstanding National Resource Water (ONRW), Weeks Bay, as per Part III, B.4 (b) (iii) of the permit; and procedures for ADEM notification of non-compliant construction sites.
- **Responsible Persons:** Planning Department; Building Department
- **Rationale Statement:**

The City of Fairhope has an extensive Construction Site Storm Water Runoff Control program (which includes land disturbance ordinances, project review and BMP inspections). The City of Fairhope recognizes ADEM’s “priority construction area” (those draining to Weeks Bay), and conducts (at minimum) monthly inspections on construction sites within this area.
- **BMPs** used for Construction Site Storm Water Runoff Control
  1. BMP#1: Design Review
  2. BMP#2: BMP Inspections
  3. BMP#3: Procedures for non-compliant sites (code enforcement)—Standard Operation Procedures (SOP)
  4. BMP#4: City ordinances
  5. BMP#5: Educational material available in Building Dept.



Planning Department / Building Department  
Non-compliant Construction Site Protocol  
Standard Operating Procedures (SOP)

#### Background and Introduction

As per the City of Fairhope NPDES Permit # ALR040040, the City is required to have written protocol for ADEM notification of non-complaint sites as required in Part III B.4 (b)(v) of the permit: "Procedures to notify ADEM of non-compliant construction sites discovered during periodic inspections. The notification must provide, at a minimum, the specific location of the construction project, the name and contact information from the owner or operator, and a summary of the site deficiencies."

#### General Concepts

The City of Fairhope is authorized via Code of Ordinance 1393, "Erosion and Sediment Control" to issue Stop Work Orders, Municipal Offense Tickets/Court Summons, suspend construction/building inspections, dispatch City Street Sweeper for minimum charge and/or issue Notice of Violations to violators of this ordinance. The Erosion and Sediment Control Ordinance #1393 is enforced by the City of Fairhope Planning Department (Code Enforcement Officer) and the Building Department (Building Inspectors and Building Official). The Planning Department Code Enforcement Officer handles the bulk of the enforcement. The Planning Director must authorize issuance of a Municipal Offense Ticket (MOT) or Court Summons.

#### Enforcement

When a construction site is found to be in violation of the City of Fairhope Erosion and Sediment Control Ordinance, the enforcement officer will elect to issue one or more of the following, depending on the severity of the violation:

1. Notice of Violation (48 hour notice)-written, verbal, or email
2. Stop Work Order (on all activity except that which is necessary to stabilize the site and install appropriate BMPs)
3. Suspend construction / building inspections until resolved.
4. Dispatch City Street Sweeper for a minimum \$300 charge. Certificate of Occupancy not issued until this is paid.
5. Issue a MOT or Court Summons (with approval of the Planning Director)

#### Environmental Agency Notification

When a construction site or other non-compliant site has been found to have impacted critical areas such as wetlands and bodies of water, the City will notify the appropriate agencies within 48 hours (written, email or verbal) of the identified non-compliance issues.

#### Documentation

All observations and actions will be documented in a report which will be tracked in the Planning Department Code Enforcement Officer's database and reported to ADEM in the City's Annual MS4 Phase II Report.

## MINIMUM CONTROL MEASURE # 4: CONSTRUCTION SITE STORM WATER RUNOFF CONTROL, CONT.

- **BMP # 1: Design Review:** In 2014, the City of Fairhope issued approval (through design review and Planning Commission) for eight major (5+ lot) subdivisions for construction. Five of these “major” subdivisions are within the priority construction area (designation by ADEM), draining ultimately to Weeks Bay, and are underway for development. The major subdivisions accepted under preliminary and/or final plat approval for 2014 are:
- Stone Creek Phase 2 (North Village)—Cowpen Creek Watershed
  - Sedgefield Phase 3---Cowpen Creek Watershed
  - Firethorne—Cowpen Creek Watershed
  - Nature’s Trail---Cowpen Creek Watershed
  - Woodlawn Phase 2---Cowpen Creek Watershed
  - Villas @ Point Clear—Point Clear Creek Watershed
  - Watershed South—Point Clear Creek Watershed
  - Pointe Place---Point Clear Creek Watershed

The City of Fairhope Planning Department design review (and pre-construction meeting) process includes:

- a. Preliminary Plats for Subdivision
- b. Pre-construction meeting – on site with engineer of record
- c. Final Plats for Subdivision
- d. Multi-occupancy projects
- e. Zoning Applications
- f. Site Plans, if they meet the following qualifications
  - Has a gross floor area of 10,000sf or greater; or,
  - More that 30% of the lot (excluding the building) is impervious; or
  - All applications for zoning map amendments to any of the Village Districts
  - All mixed-use projects electing to build to 35 feet high with 33% residential.

All preliminary and final subdivision submittals require a public hearing through the Planning Commission. Notification requirements are as required by State law and the City of Fairhope Subdivision Regulations, and also via Subdivision POA contact list (email). The City of Fairhope Building Department coordinates plan reviews of residential and commercial submittals for permit issuance.

## CONSTRUCTION SITE STORM WATER RUNOFF CONTROL, CONT.

### Staff Review Procedures for Storm Water:

All planning submittals are reviewed for compliance with the City's Zoning Ordinance and/or Subdivision regulations, including municipal storm water drainage requirements. When applications are received, a monthly design review meeting is scheduled.

Department supervisors attend the meeting and provide their review comments to the application. The City of Fairhope Public Works and Building Departments conduct an internal review to see if the application makes sense from a municipal building code and maintenance standpoint. The Code Enforcement officer reviews the application for BMP compliance of the Erosion and Sediment Control Ordinance. All City of Fairhope design review comments are incorporated into a Planning Department comment letter sent to the applicant. The applicant makes any necessary corrections to the submittal and provides a response letter, along with revised plans, back to the City of Fairhope Planning Staff. This is also the time the applicant can submit any rebuttal to staff's comments, if they disagree with staff's interpretation. The City of Fairhope Planning Staff prepares a staff report on each application to be heard by the City of Fairhope Planning Commission at the monthly Planning Commission meetings.

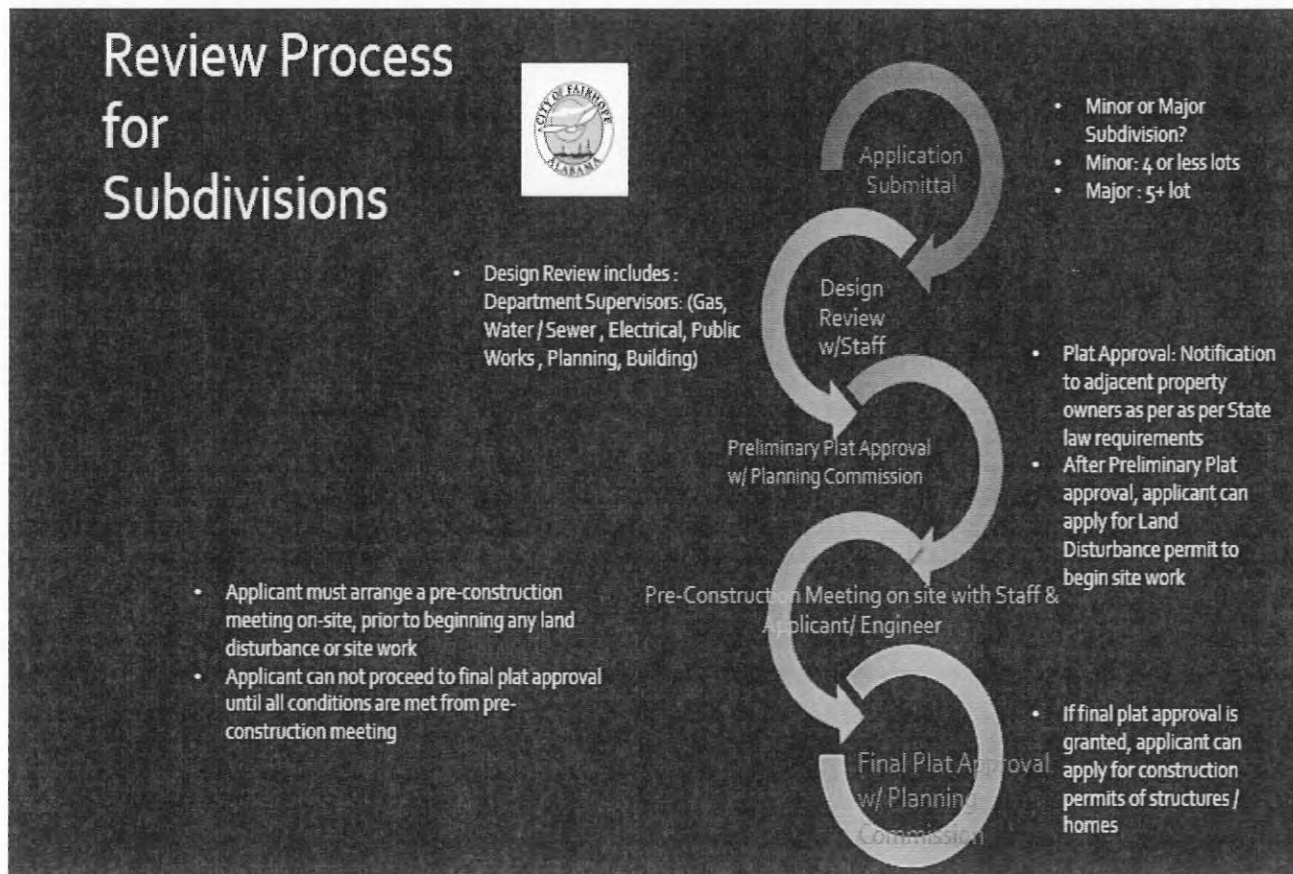
Ultimately, responsibility for storm water design rests with the applicant's registered professional design engineer. In 2014, the City of Fairhope hired Jade Engineering as a storm water consultant, to review drainage, upon request by the City.

Pre-Construction meetings are held with the applicant after the Preliminary Plat approval and before the issuance of a land disturbance permit. During the pre-construction meetings, City staff meets (typically on-site) with the applicant's engineer of record to address specific issues such as wetland buffer protection, on-site erosion controls, and drainage concerns.

The Final Plat approval phase is when the final inspection of installed subdivision infrastructure takes place and a final punch list is generated. A second design review and a site inspection take place and any deficient items are addressed during this inspection process. The site inspection is conducted by the same Department Supervisors/Representatives who performs the preliminary design review.

Multi-Occupancy reviews are conducted on all projects with three occupied units or more, within the City of Fairhope Planning Jurisdiction. A multi-occupancy project is processed as a "multi-occupancy" subdivision request, but staff's main review focus includes traffic, drainage, setbacks and height. These applications include simultaneous preliminary and final plan approval of the multi-occupancy.

## CONSTRUCTION SITE STORM WATER RUNOFF CONTROL, CONT.



Between January and December 2014, staff reviewed (MS4 area/City limits):

- Approximately 213 single family residential site reviews
- Twenty (20) subdivision approvals (preliminary/minor/final).
- One (1) Multi-Occupancy Review
- Five (5) Site plan reviews
- (7) Utility Reviews (these go before Planning Commission for review)

## CONSTRUCTION SITE STORM WATER RUNOFF CONTROL, CONT.

At time of permit issuance, permittees are given a copy of the *BMP Minimum Requirements* (a one page document created in-house to give builders a quick reference tool for BMP requirements). The *Field Guide for Erosion and Sediment Control on Construction sites in Alabama* is also available upon request.

**BMP # 2: BMP Inspections :** City of Fairhope Planning Department employees a full time Code Enforcement Officer who conducts BMP inspections, as well as other code enforcement inspections. The initial BMP inspection is performed prior to other construction inspections. The Building Inspectors assist with BMP inspections by ensuring compliance with each construction inspection. The Building Inspectors usually perform the closure BMP inspection as part of the final inspection on the site. Certificate of occupancy is not issued unless site is stable and compliant. The City of Fairhope Erosion and Sediment Control ordinance is strictly enforced, and is successful at minimizing sedimentation and erosion to the maximum extent practical. Construction sites with high impact potential and subdivisions under construction are inspected frequently. Construction sites with high impact potential include multi-family, non-residential, those near critical areas or those disturbing more than an acre. Other single family home construction sites are inspected initially and with follow up inspections to ensure continued compliance. Standard Operating Procedures (SOP) for non-compliant sites were developed in 2014.

Significant rain events (those greater than .75") trigger random inspections on subdivisions and priority sites under constructions.

Additionally, the City of Fairhope Code Enforcement Officer conducted “priority construction area” BMP inspections, as per ADEM’s requirement, on roughly 18 subdivisions or stand-alone construction sites monthly.

INSPECTION FIELD SHEET		01/15/15 07:40:16	
Printed by Kim Burnmeister			
INSPECTION: 2550	BMP-FOLLOW UP	PERMIT STATUS: 1401565	ASSIGNED TO: ICC RESIDE
LOC: 528 BARTLETT AVENUE FAIRHOPE			
PROPERTY ID: 289155	OLD BATTLES VILLAGE, PHASE ONE		
LOT/SUBDIV: 90			
OWNER: UPDATE OWNER			
CONTRACTOR: TRULAND HOMES LLC			
REQUEST BY: 291-621-0850			
PROJ DESC: SF RES			
BUILDING INSPECTOR SIGNATURE			
ELECTRICAL INSPECTOR SIGNATURE			
FINISHED FLOOR ELEVATION			
SEWER SYSTEM			
FLOOD ZONE	X		
FLOOD MAP PANEL	01003C0757L		
WORK ORDER:			
INSPECTOR: KWB	RESULT: APPROVED		
REQUESTED: 01/15/15	PRIORITY: BMP		
SCHEDULED: 01/16/15	COMPLETED: 01/13/15	Date	Time
UNPAID FEES: .00			
MILEAGE: .00	TIME: TRAVEL	ONSITE	
COMMENTS:			
BMPs ARE INSTALLED SILT FENCES, CONSTRUCTION ENTRANCE AND INLET PROTECTION ARE INSTALLED			
ALL INSPECTIONS:			
INSPECTED	INSPECTOR	RESULT	INSP DESCRIPTION
12/17/14	KWB	NOT APPROV	2 BMP
01/09/15	KWB	NOT APPROV	2 BMP-FOLLOW UP
01/14/15	JWS	APPROVED	FOOT FOOTING





## CONSTRUCTION SITE STORM WATER RUNOFF CONTROL , CONT.

BMP inspections include:

- a. Initial
- b. Phasing (if applicable)
- c. Closure (certificate of occupancy is not issued unless site is stable)
- d. Priority construction area—monthly

In FY 2014, Code Enforcement (in MS4 area):

- a. Conducted over 350 BMP inspections (initial, follow up, priority construction area)
- c. Issued about 65 Notice of Violations
- d. Issued 8 stop work orders
- e. Declined an estimated 4 construction inspections due to non-compliant BMP's

**BMP # 3: Procedures for non-compliant sites (Code Enforcement),** as per Erosion and Sediment Control Ordinance:

- a. Notice of Violation (written or verbal)
- b. Withheld Construction Inspections
- c. Stop Work Orders
- d. Authorize Street Sweeper at \$300 minimum charge
- e. Municipal Offense Ticket
- f. ADEM notification if water quality impact has occurred
- g. Standard Operating Procedures (SOP) developed in 2014

**BMP # 4: Municipal ordinances** utilized for erosion, sediment and waste control on construction sites:

- a. Erosion and Sediment Control (#1398)
- b. Red Soil Ordinance (#1423)
- c. Construction Site Waste (#958)

**BMP # 5: Educational Material** available to contractors/developers:

- a. *Field Guide for Erosion and Sediment Control on Construction Sites in Alabama* by Alabama Soil and Water Conservation Committee Partners
- b. *BMP Minimum Requirements*, City of Fairhope handout
- c. *Storm Water Management*, by EcoSolutions

## CONSTRUCTION SITE STORM WATER RUNOFF CONTROL , CONT.

### ➤ Measurable Goals

#### Measurable Goals – Recap For 2014:

##### 1. QCI Recertification - Building Inspectors (3) Acquire QCI Recertification

**Status:** Complete (November 2014)

**Comments:** Three building inspectors acquired recertification through the QCI (“Qualified Credential Inspector”) program

##### 2. QCI Recertification – Planning Department (1) to acquire QCI Recertification

**Status:** Complete (November 2014)

**Comments:** Code Enforcement Officer recertified through the QCI program in November 2014.

##### 3. QCI Certification – Building Dept. (Building Official and one Building Inspector)

**Status:** INCOMPLETE: CANCELLED AS PER SWMP 2015

**Comments:** This measurable goal has been removed at the Mayor’s request. The City of Fairhope has (4) full time employees who are QCI certified: (3) building inspectors are QCI certified and the Planning Department Code Enforcement Officer is QCI certified. If additional Building Inspectors are hired, QCI certification will be a requirement to be obtained within the first year of employment.

#### Measurable Goals For 2015:

##### 1. QCI Re-certification for Building Inspectors (3)

**Responsible Department:** Building Department

**Goal:** Recertify QCI certifications for (3) Building Inspectors

**Due:** December 2015

##### 2. QCI Re-certification for Code Enforcement Officer

**Responsible Department:** Planning Department

**Goal:** Recertify QCI certification for Code Enforcement Officer

**Due:** December 2015

## 7.0 MINIMUM CONTROL MEASURE # 5: POST CONSTRUCTION STORM WATER MANAGEMENT

- **Requirement:** Develop, implement, and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre by insuring that controls are in place that would prevent or minimize water quality impact; Develop and implement strategies, which include a combination of structural and/or non-structural BMPs appropriate for the community; Use an ordinance or other regulatory mechanism to address post construction runoff from new development and redevelopment projects to the extent allowable under State or local law; Ensure adequate long-term operation and maintenance of BMPs.
- **Responsible Persons:** Planning Department; Building Department; Public Works Department
- **Rationale Statement:** The Planning Department works closely with the Fairhope Planning Commission (which meets monthly) and the Fairhope Zoning Board of Adjustments and Appeals (which also meets monthly, if there are cases to be heard). These are public meetings. Both of these committees are appointed by the Mayor and Council, and work with the Planning Department with design and review procedures, as set forth in the Zoning Ordinance and Subdivision Regulations. The Subdivision Regulations include a 3 year storm water inspection report requirement (Section F) and a long term storm water plan (Operation and Maintenance Plan, or O & M plan). An O&M Plan is submitted with every final subdivision plat which requires storm water facilities. Furthermore, the Planning Department Code Enforcement Officer addresses runoff issues from all sites within the City of Fairhope (including post construction residential, commercial and right of way areas). These issues are tracked via a monthly Notice of Violation log. This log tracks complaints, follow up, and corrective action taken.
- **Subdivision Regulation Amendments in 2014:** The City of Fairhope Subdivision Regulations were amended (Article V, Section F) to include more stringent storm water requirements for residential properties. Essentially, the project size requirement for storm water facilities was reduced for multi-family residential projects from five (5) acres or more to one (1) acre or more and for single family residential projects from ten (10) acres or more to three (3) acres or more. This amendment became effective in January 2015, as per approval in the Planning Commission meeting on that date.

## POST CONSTRUCTION STORM WATER, CONTINUED:

- **Post Construction Storm Water Facility Complaints:** In 2014, the Planning Department responded to seven post construction storm water facility complaints through the “Citizen Awareness” project (pg. 22). Seven (7) letters were sent out (to subdivision POAs or property owners) requesting assessment of potentially failing storm water facilities (Fly Creek, Cowpen Creek and Volanta Watersheds) in the 2014 period. One of these letters resulted in the Building Department shut down of construction permit issuance until the storm water facility was improved (Volanta Watershed).
  
- **Low Impact Design:** In 2012, the Planning Department was awarded a grant from the Alabama Department of Conservation and Natural Resources for creation of a Low Impact Development (LID) Design Manual. The manual will be a guideline for innovative and alternative storm water design standards for new development and re-development. Appropriate City regulations will be amended to accommodate the provisions within the LID manual. The LID manual will be available in hard copy form in the Planning Department and Building Department, and also on-line on the City's Website. The Planning Department is making progress with this manual and the appropriate amendments to support LID techniques. A local engineering firm has been contracted to assist with this project. In 2014, three public meetings (updates) on this LID project were presented:
  - July 7, 2014: Planning Commission (included LID presentation)
  - August 21, 2014: Special Planning Commission meeting for LID
  - December 11, 2014: “Roundtable Discussions” Stakeholders Meeting for LID
  - See MCM#2 (pg. 35) for more information on these meetings

A resolution has been drafted of proposed Subdivision Regulation amendments, to support LID. This amendment draft will be presented to Planning Commission (and upon approval by Planning Commission, to City Council) for review and acceptance tentatively in Spring 2015.



Your invited to a

### *Roundtable Discussion*

for the City of Fairhope's  
Low Impact Design (LID) Regulations Project

December 11, 2014 @ 3:30pm | Fairhope Library

For more information, contact Jonathan Smith at 990-2884.

## POST CONSTRUCTION STORM WATER, CONTINUED:

- **BMPs for Post Construction Storm Water Management**
  1. BMP#1: Subdivision Regulations: Link on-line: [www.cofairhope.com/departments/planning-and-building/publications-and-forms](http://www.cofairhope.com/departments/planning-and-building/publications-and-forms)
  2. BMP#2: Zoning Ordinance: Link on-line: [www.cofairhope.com/departments/planning-and-building/publications-and-forms](http://www.cofairhope.com/departments/planning-and-building/publications-and-forms)
  3. BMP#3: Storm Water Standards within Subdivision Regulations (Article V, Section F)
  4. BMP#4: Flood Control Structures definition in Subdivision Regs
  5. BMP#5: Pervious Paving Material (25%) Requirement
  6. BMP#6: Pervious Paving in City projects
  7. BMP#7: Storm Water Projects, as listed in 2.4
  8. BMP#8: Storm Water Facility Inspection Requirement (Subdivision Regs)
  9. BMP#9: Rain Barrel Workshop for the community
  10. BMP#10: Creek / Shoreline Assessment by kayak
  11. BMP#11: Standard Courtesy Letter for Storm Water Facilities

**BMP # 1, 2 and 3: Subdivision Regulations (including Storm Water Standards) and the Zoning Ordinance** are available on line for the public to view. Construction, development and re-development standards for storm water are listed here: [www.cofairhope.com/departments/planning-and-building/publications-and-forms](http://www.cofairhope.com/departments/planning-and-building/publications-and-forms)

**BMP # 4: Flood Control Structures** definition was added to the Subdivision Regulations in October 2011, to clarify whether detention ponds can be located within a stream buffer: *“Those physical structural works for which funds have been authorized, appropriated and expended and which have been constructed specifically to modify flooding in order to reduce the extent of areas within the city subject to a “special flood hazard” and water depths associated with flooding. Flood control structures typically include: hurricane tidal barriers, dam, reservoirs, levees or dikes. Typically flood control structures are located perpendicular to a stream and within the stream buffer.”*

**BMP #5: Pervious Paving requirement:** For projects requiring more than 8 parking spaces, a 25% minimum pervious paving material requirement has been written into the Zoning Ordinance (January 2012)

## **POST CONSTRUCTION STORM WATER, CONTINUED:**

**BMP # 6: Pervious Paving materials (LID techniques) used in City projects** where applicable. The City did not have any applicable pervious paving projects in 2014. However, LID techniques (bio-retention) was installed at a newly acquired City building in the Tatumville Watershed (Pecan Street East). See details on this project on page 15.

**BMP # 7: Storm Water Projects:** The City Public Works Department and the City of Fairhope Water and Sewer Department collectively completed five non-storm related storm water projects in FY 2014, plus over 90 post-storm related projects City wide. These projects addressed watershed management, ditch stabilization, bluff/slope stabilization and erosion and sediment control. These storm water projects are listed in Section 2.4.

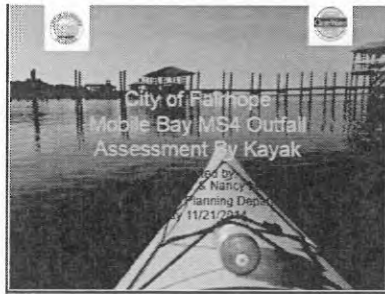
**BMP # 8: Storm Water Facility Inspection Requirement:** In FY 2014, as per the Operation and Maintenance requirement within the Subdivision Regulations, the City of Fairhope Planning Department notified four property owners (three subdivisions and one church property) in regards to the three year storm water inspection requirement for respective storm water facilities. For more information on this requirement, refer to the City of Fairhope Subdivision Regulations, Article V, Section F, 3. (a) (3).

**BMP # 9: Rain Barrel Workshop:** In 2014, Planning Department advertised for and assisted City of Daphne with a Rain Barrel Workshop, which was held on August 23, 2014, at the City of Daphne City Hall. Thirteen (13) citizens attended. Auburn Cooperative Extension System provided support staff, supplies and a 30 minute presentation on water quality preservation and storm water management.

**BMP # 10: Mobile Bay Shoreline Assessment by Kayak:** In November 2014, Planning Department staff conducted a 2 hour creek assessment (by kayak) of the Mobile Bay shoreline, City of Fairhope MS4 major outfall area. The assessment began at the end of Volanta Avenue, and ended at the American Legion (where the last major outfall is located). Details are below:

**BMP #11: Standard Courtesy Letter to Property Owners of Non-compliant Storm Water Facilities (Citizen Awareness Project):** The Planning Dept., in conjunction with the Public Works Department, drafted and has sent out more than 30 courtesy letters to property owners so far since 2012 (seven in 2014). The letter requests storm water facility assessment, to ensure the storm water facility is still functioning as designed. So far, three storm water facilities have been evaluated/upgraded as part of this program. This project serves as an outreach effort by the Planning Department and the Public Works Department to correct or assess deficient storm water facilities, so that downstream properties (including water bodies) be better protected from flooding and run off. See page 22 for more details.


# POST CONSTRUCTION STORM WATER, CONTINUED:



1

### Assessment Criteria used


- Launch Site: End of Volanta Access
- Assessment from: Volanta Access to Magnolia Beach Condoms, South Mobile Street
- When: Friday, November 21, 2014: 9:45 a.m. – 12:00 p.m.
- Equipment used:
  - 20 one-person kayaks
  - Camera: Fuji XP digital camera



2

### What were we looking for?

- Major Outfalls (as listed on the MS4 Storm Sewer Inventory Map)
- Storm drain (outfall) pipes, discharging & not discharging
- Illegal Pipes
- Erosion / sedimentation / trash issues along the bank and shoreline
- Unauthorized construction activity
- Note: MS4 "Municipal Separate Storm Sewer System"




Comments: Major outfalls were observed

3

### Why Assess the Mobile Bay (Fairhope Area) Shoreline?

- Fulfillment of MS4 permit requirements
- City of Fairhope Storm Water Management Plan (SWMP) MS4 permit, including:
  - "Stormwater" - MS4 requirements per Code of the City of Fairhope Storm Water Management (Stormwater) Section 4.2
  - Permit requires MS4 Stormwater Code for the Mobile Bay area, which is a major area in the region of Fairhope and which is the primary focus of the Stormwater Management Plan
- Why Assess Bay? This is where Fairhope's (13) major outfalls are located, as indicated in our 2012 Storm Sewer Inventory MS4 jurisdiction.
- #14 "Municipal Separate Storm Sewer System"

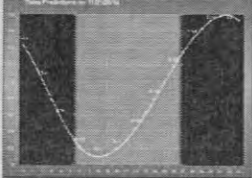


City of Fairhope, Alabama  
Storm Water Management Plan  
Phase II General Permit # ALR649040  
March 2014

4

### Tidal conditions Fairhope (Mobile Bay)

- Low Tide was between 6 a.m. and 10 a.m.



5


### Mobile Bay Assessment Area

9:45 a.m. We launched at end of Volanta (City access near the Yacht Club)

Paddled to Magnolia Beach Condoms (710 S. Mobile Street)


Paddle ended at 12:00 p.m. back at the launch area

Roughly a 5 mile paddle (round trip)



6

### City of Fairhope Major MS4 Area Outfalls

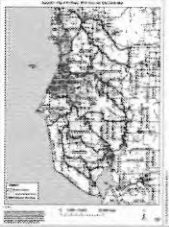


- 1. RY STREET - THE SWAMP
- 2. RYAN STREET - THE SWAMP
- 3. MOON STREET NEAR S. MOBILE STREET - SOUTH MOBILE BEACH
- 4. MOON STREET NEAR S. MOBILE STREET - SOUTH MOBILE BEACH
- 5. MOBILE STREET & FA STREET - FAIRHOPE
- 6. S. MOBILE STREET & VOLANTA BEACH - VOLANTA BEACH
- 7. S. MOBILE STREET & VOLANTA BEACH - VOLANTA BEACH
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- 14. S. MOBILE STREET & VOLANTA BEACH - VOLANTA BEACH
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7

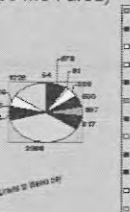
### Watersheds Assessed

- Fairhope has 12 watersheds in its MS4 jurisdiction
- Four Watersheds were assessed during the paddle:
  - Volanta Gully
  - Big Mouth
  - Slack Gully
  - Tatumville



8

### Fairhope Watersheds: Acreage (Fairhope MS4 area)



- Fly Creek
- Red Creek
- Volanta Gully (269 acres)
- Slack Gully (227 acres)
- Big Mouth Gully (192 acres)
- Red Gully
- Campana Swamp
- Tatumville Gully (117 acres)
- Chapel Creek
- Peninsula Branch
- Watershed Branch
- Tatum Branch
- Over Clear Creek


Legend:

- Red Gully
- Red Creek
- Peninsula Branch
- Watershed Branch
- Big Mouth
- Slack
- Tatumville
- Campana Swamp
- Peninsula Branch
- Tatum Branch
- Over Clear Creek
- Fly Creek

9

### 1st Assessment: Volanta Gully Tributary


- Name: Volanta Gully
- Watershed: Volanta Gully
- Major Outfall Number: 10
- Located just South of our launch site Natural tributary (Volanta Gully) which outfalls to Mobile Bay
- Tributary was not discharging at the time of the paddle



10

### 2nd Assessment: Gayfer Court Outfall


- Name: Gayfer Court Outfall
- Watershed: Big Mouth
- Major Outfall Number: 13
- Natural tributary at end of Gayfer Court
- Shallow discharge
- Unimproved
- Clear water
- Requires concrete riprap on shoreline to Paddle Works



11

### 3rd Assessment: Drain / Bank Erosion


- Name: Unimproved drain at North Beach Park (just west ramp area)
- Watershed: Slack Gully
- Description: This drain pipe has been tapped to prevent erosion issues. Reported to Public Works as a reminder this needs to be repaired.



12

# POST CONSTRUCTION STORM WATER, CONTINUED:


**4th Assessment: North Beach Park (Fairhope Pier)**



- Name: Not listed as Major Outfall (not named or numbered)
- Watershed: Stack Gully
- Description: The drain was discharging at time of inspection. Clear water. Public Works Alert Dept. said the discharge is from tourist fees (constant trickle).

13


**5th Assessment: North Beach Park (Fairhope Pier) @ Fairhope Avenue**



- Name: Fairhope Pier (South side)
- Watershed: Stack Gully
- Major Outfall Number: 12
- Description: Double drain pipes were not discharging at time of inspection.

14


**6th Assessment: Pecan Street Pier Outfall - North (@ S. Mobile Street)**



- Name: Pecan Street Pier (North side)
- Watershed: Stack Gully
- Major Outfall Number: 4
- Description: Drain pipe on North side of the Pecan Street Pier #4 was not discharging at time of inspection.

15


**7th Assessment: Pecan Street Pier Outfall - South (@ S. Mobile Street)**



- Name: Pecan Street Pier (South side)
- Watershed: Stack Gully
- Major Outfall Number: 3
- Description: Drain pipe on South side of the Pecan Street Pier #3 was not discharging at time of inspection.

16


**8th Assessment: Orange Street Pier**



- Name: Orange Street Pier
- Watershed: Stack Gully
- Major Outfall Number: 8
- Description: Drain pipe located at Orange Street Pier. It was not discharging at time of inspection.

17


**9th Assessment: Fig Street @ S. Mobile Street**



- Name: Fig Street Outfall
- Watershed: Stack Gully
- Major Outfall Number: 5
- Description: Flame discharging to the beach (was not discharging at time of inspection).
- Reported broken rubble to Public Works.

18


**10th Assessment: Magnolia Beach Townhomes**



- Name: Magnolia Beach Townhomes (North)
- Watershed: Saturnville
- Major Outfall Number: 6
- Description: Drain pipe on north parking lot area. This drain did not appear to be discharging at time of inspection.

19


**11th Assessment: Magnolia Beach Townhomes**



- Name: Magnolia Beach Townhomes (Center)
- Watershed: Saturnville
- Major Outfall Number: 9
- Description: Concrete flume located between two townhome buildings. Flume was not discharging at time of inspection. Accumulated sand/drediment has been previously reported to Magnolia Beach PCA. Reported again on 11/25/2014.

20

**12th Assessment: Magnolia Beach Townhomes**




- Name: Magnolia Beach Townhomes (South)
- Watershed: Saturnville
- Major Outfall Number: 7
- Description: Drain pipe located at the south parking lot area. Drain did not appear to be discharging at time of inspection.
- Close up picture of drain pipe taken from parking lot area on 11/25/2014.

21

**Other Findings: Beach Debris**


- Rubble / Debris on the beach area in (2) separate areas, between outfall #10 (Volanta) and outfall #13 (Gayler Court).
- Reported to Public Works via email on 12/1/2014



22

**Other Findings: Ditch Maintenance Needed**

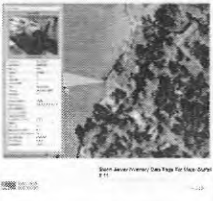
- Unnamed ditch discharging to Mobile Bay just South of the launch area (Volanta Avenue) appeared to be eroding. Property is owned by the City of Fairhope. Reported to City of Fairhope Public Works on 12/1/2014.



23

**Other Findings: Error in Storm Sewer Inventory Outfall Map**

- Major Outfall Number C-111 in the map was shown north of Fig Street and is south of Fig Street and north of Fig Street.
- Other location in vicinity of Fig Street shown correct location for #11, #12 and #13 located in South Beach Park.
- #11 is located in the Fairhope Pier (south side).
- Reported to GIS by inspection on 11/25/2014. This will be reported for the 2014 Storm Sewer Inventory Map.



24

**In Conclusion**

- MS4 Measurable Goal for "Shoreline Assessment" has been completed for 2014.
- MS4 Measurable Goal for "Dry Weather Screening" of Major Outfalls has been partially completed (10 out of 13 drains were inspected) for 2014.
- Dry Weather Screening of the major outfalls from a water perspective is a unique way to observe these drains. In the past two years, the visual inspection has been by land.
- (2) piles of rubble partially obstructing Fairhope's beach access areas were reported for possible recovery, and were reported to Public Works.
- Ditch discharging to the Bay had erosion near Volanta Avenue launch area.
- Drain / bank erosion was observed near North Beach Park old boat ramp area, and reported to Public Works as a reminder to repair.
- Storm Sewer Inventory Major Outfall Map was spot checked for location of drains (as per map numbers), and one error was found (#11), and reported to GIS for correction in the 2014 update map.
- For 2015, it would be appropriate to consider doing the same assessment Mobile Bay shoreline of MS4 area.

25



## POST CONSTRUCTION STORM WATER, CONTINUED:

### ➤ Measurable Goals:

#### Measurable Goals – Recap For 2014:

##### 1. Rain Barrel Workshop

**Status:** Complete (August 2014)

**Comments:** Planning Department advertised for and assisted City of Daphne with a Rain Barrel Workshop, which had thirteen (13) citizen attendees. The 2 hour workshop was held at the City of Daphne City Hall facility. Auburn Cooperative Extension System provided support staff, supplies and a 30 minute presentation on water quality preservation and storm water management.

##### 2. Creek/Shoreline Assessment by Kayak

**Status:** Complete (November 2014)

**Comments:** Planning Department staff (Planner and Code Enforcement Officer) conducted an assessment of the Mobile Bay shoreline (major outfall area) November 21, 2014. The Mobile Bay shoreline was chosen for the assessment, because of the opportunity to view our major outfalls (and conduct outfall assessment) from another view point other than land.

##### 3. LID Manual

**Status:** Complete / Ongoing (December 2014)

**Comments:** Planning Department presented (3) LID meetings/updates, in conjunction with Thompson Engineering. An amendment to the City of Fairhope Subdivision Regulations has been drafted in 2014 (to support LID techniques). This draft will be presented to Planning Commission and then City Council tentatively in 2015. The manual (and related Sub Reg amendments) is still a work in progress which should culminate in 2015.

Registration Form (please print, one person per form)

Name \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ ZIP \_\_\_\_\_  
Phone \_\_\_\_\_  
Email \_\_\_\_\_

If you wish to complete a rain barrel to take home you must register by Thursday, August 20 & it is necessary to RSVP in order that we can plan on having enough materials for all participants. Workshop cost is \$40 and includes one rain barrel, and optional rain barrels are available for \$40 each.


- You must be prepared to take your barrel home after the workshop.
- We do not sell rain barrels, barrels are provided only to workshop participants.
- Check or Money Order (MISO) are made payable to Auburn University.

Please indicate how many barrels you plan to purchase:

Mail registration and Payment to:  
Coastal Alabama Rain Barrel Program  
Auburn Marine Center  
118 North Royal Bayes  
Suite 800  
Mobile, AL 36622

**Rain Barrel Workshop**  
Saturday, August 23, 2014  
10:00 AM - 12:00 PM  
Daphne City Hall  
1705 Main St.  
Daphne, AL 36526

Presented by:  
Auburn University Marine Extension  
& Research Center  
118 North Royal St.  
Suite 800  
Mobile, AL 36602  
Phone: 251.438.5690  
Fax: 251.438.5670  
For more details:  
email: christian@auburn.edu



Pictured: 2014 Rain Barrel  
Workshop brochure

## POST CONSTRUCTION STORM WATER, CONTINUED:

### Measurable Goals For 2015:

1. **Rain Barrel Workshop**

**Responsible Department:** Planning Department

**Goal:** Facilitate community event: hands on workshop related to post-construction storm water education (such as a Rain Barrel Workshop)  
(*Planning Director*)

**Due:** December 2014

2. **Creek/Shoreline Assessment by Kayak**

**Responsible Department:** Planning Department

**Goal:** Conduct creek assessment via kayak to look for pipes discharging into the creek, obstructions in the creek, and man made erosion along the creek banks (*Planning Director*)

**Due:** December 2015

3 **LID Manual**

**Responsible Department:** Planning Department

**Goal:** Implement creation of a Low Impact Design Manual to be available in the Planning Department / Building Department and on-line on the City website; Amend Subdivision Regulations to support LID techniques.  
(*Planning Director*)

**Due:** December 2015



*Pictured: Mobile Bay  
Shoreline Assessment  
2014*

## 8.0 MINIMUM CONTROL MEASURE # 6: POLLUTION PREVENTION / GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

- **Requirements:** Develop and implement an operations and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations; Using training materials that are available from EPA, the State, or other organizations, include employee training to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet building maintenance, new construction and land disturbances, and storm water system maintenance.
- **Responsible Persons:** Planning Department; Building Department; Public Works Department; Golf Course; Recreation Department; Gas Department; Water and Sewer Department; Electric Department; Police Department; Volunteer Fire Department; Mechanic Shop; City Hall.
- **Rationale Statement:** The City of Fairhope has many departments within its own authority. City facilities include (and separate State or County permit number, if applicable):
  - Mechanic Shop (ADEM Permit # AL0000324764)
  - Waste Water Treatment Plant (ADEM Permit #AL0020842)
  - Golf Course (Quail Creek)
  - Recreation Department
  - Gas Department
  - Water and Sewer Department
  - Electric Department
  - Public Works Department
    - C & D Landfill (ADEM Permit # 02-07)
    - Transfer Station (Health Dept. Permit # 05-TS-002)
    - Recycle Center
    - Greenhouses (Nichols Avenue; City Warehouse)
  - Planning Department
  - Building Department
  - Greenhouse
  - Police Department
  - Volunteer Fire Department
  - City Hall / Civic Center
  - The Haven (Animal Shelter)

## **POLLUTION PREVENTION / GOOD HOUSEKEEPING, CONTINUED:**

All department supervisors are responsible for pollution prevention / good housekeeping in each respective department, and have been given assessment guidelines for their facility, regarding storm water compliance. In May of 2014, a memo was sent out by the Planning Department, reminding all supervisors of the City of Fairhope Litter Ordinance and storm water program. Daily routines such as cleaning out the beds of service trucks each work day are encouraged. The Police Department has been asked to review and strictly enforce the Litter Ordinance. In July 2014, the City of Fairhope adopted the "Create a Clean Water Future" campaign, and has used media associated with this campaign ("Red Fish Tales") to educate employees on common pollution prevention measures. The Code Enforcement Officer and the Environmental Officer monitor shop areas, to ensure compliance with the City of Fairhope IDDE program. The City of Fairhope provides garbage, trash and recycling pickup weekly (garbage twice weekly), and this aids in keeping our storm drains clean.

### ➤ **BMPs for compliance of pollution prevention / good housekeeping:**

1. BMP#1: Employee Meetings
2. BMP#2: Certified Pesticide Applicators
3. BMP#3: Waste Management Program (Garbage, Trash, Recycling, Household Hazardous Waste)
4. BMP#4: Street Sweeper
5. BMP#5: Project work by City Employees
6. BMP#6: *Field Guide for Erosion and Sediment Control on Construction Sites in Alabama*, by Alabama Soil and Water Conservation Committee and Partners
7. BMP#7: Dedicated Wash Racks for Vehicles

**BMP # 1: Employee Meetings:** Employee meetings are held in most departments weekly, and housekeeping items are addressed throughout the year.

**BMP # 2: Certified Applicators:** Pesticide, herbicide and fertilizer application is overseen by certified applicators, in the Public Works, Parks and Recreation and Golf Course. Four employees within the City of Fairhope are certified as pesticide applicators through the State of Alabama Department of Agriculture and Industries. This specialized training ensures that pesticide, herbicide and fertilizer application on City property is done in accordance with manufacturer's recommendations in the most environmentally friendly method possible.

Applicator license (3 year) certifications include:

- a. Public Works, Horticulturists: Recertified in October 2012
- b. Public Works, Landscape Supervisor: Recertified in December 2012
- c. Golf Course Grounds Supervisor: Recertified in December 2012
- d. Parks & Recreation Director – Certified in August 2013

**POLLUTION PREVENTION / GOOD HOUSEKEEPING, CONTINUED:**

**BMP # 3: Waste Management Program:**

*Garbage, Trash and Recycling Pickup:* Recycling is picked up weekly, curbside for residents and commercial businesses. In 2014, about 1700 tons of material were recycled (paper, cardboard, glass, plastic, metals and e-waste). Yard waste is picked up weekly from residents, and placed in the City yard waste pile (at 555 South Section Street) for mulching, grinding or land reclamation efforts. In 2014, about 6200 cubic yards of trash (including yard waste) was removed from residential right of ways, contributing to keeping the storm drains clear from debris. Garbage pickup is offered two times per week for residents, and up to five times per week for commercial businesses. In 2014, about 8500 tons of garbage were removed and disposed of in Magnolia Springs landfill. There is a drop off site at the Public Works facility for garbage, trash, HHW and recycling.

**Recycling Facility / HHW:** The Environmental Officer (Public Works) is responsible for overseeing these areas are kept clean, and ensures there is no illicit discharge from these activities. The Public Works Department is also responsible for hazardous waste management, including storage (HHW drop off and at the Mechanic Shop). Tires, HHW chemicals, motor oils, electronics and anything that could contribute to an illicit discharge is kept covered and contained, to the maximum extent practical.

Residents and businesses are encouraged to recycle. Mechanisms for waste management education include:

- a) Mobile Area Earth Day; E-waste recycling event (April 2014)
- b) America Recycles Day; E-waste recycling event (November 2014)
- c) City website ([www.cofairhope.com](http://www.cofairhope.com)), "Public Works" page
- d) Recycling Committee (Monthly)

**City of Fairhope Waste Management Recap (October 2013-Sept. 2014)**

Commodity	Garbage		Mixed Paper		Mix / Plastics		Scrap Metals		Electronics		Glass	
	Tons	Revenue	Tons	Revenue	Tons	Revenue	Tons	Revenue	Tons	Revenue	Tons	Revenue
FY 2014												
October	648.09	-\$19,442.78	95.35	\$2,479.10	11.95	\$0.00	0.00	\$0.00	0.00	\$0.00	72.00	-\$1,440.00
November	534.6	-\$16,038.00	83.08	\$2,160.05	11.59	\$0.00	4.59	\$1,635.10	1.48	\$2,125.30	0.00	\$0.00
December	1,285.05	-\$38,551.50	96.23	\$2,502.11	6.88	\$0.00	25.17	\$2,666.80	0.00	\$0.00	0.00	\$0.00
January	634.94	-\$19,048.20	74.14	\$1,927.64	21.27	\$0.00	4.01	\$401.00	0.00	\$0.00	0.00	\$0.00
February	611.61	-\$18,348.30	68.31	\$2,542.12	22.00	\$0.00	14.02	\$7,643.90	4.10	\$410.00	36.00	-\$720.00
March	693.51	-\$20,805.44	77.94	\$2,538.12	11.15	\$0.00	10.36	\$1,036.10	4.19	\$419.00	36.00	-\$720.00
April	648.77	-\$19,463.10	77.03	\$3,313.54	5.10	\$0.00	4.58	\$549.60	0.89	\$89.00	0.00	\$0.00
May	753.15	-\$22,594.50	75.17	\$1,954.51	23.11	\$0.00	9.58	\$1,035.20	4.47	\$357.60	72.00	-\$1,440.00
June	693.42	-\$20,802.60	61.97	\$1,184.43	13.35	\$0.00	16.43	\$1,802.50	3.72	\$297.60	36.00	-\$720.00
July	704.03	-\$21,120.92	73.92	\$1,364.48	9.19	\$0.00	6.91	\$829.20	4.11	\$411.00	144.00	-\$2,888.00
August	611.39	-\$18,341.70	56.64	\$1,132.80	32.36	\$0.00	11.24	\$1,518.10	0.00	\$0.00	0.00	\$0.00
September	689.97	-\$20,609.10	44.29	\$115.54	44.31	\$0.00	12.85	\$1,542.00	5.64	\$564.00	72.00	-\$1,440.00
<b>Totals</b>	<b>8,508.53</b>	<b>-\$255,166.14</b>	<b>884.07</b>	<b>\$23,214.44</b>	<b>213.26</b>	<b>\$0.00</b>	<b>119.74</b>	<b>\$20,659.50</b>	<b>28.60</b>	<b>\$4,673.50</b>	<b>48,909.04</b>	<b>-\$9,368.00</b>
<b>TON / Year</b>												
Garbage	8,508.53											
Recycling	1,713.67											
Trash	6,292.00											
		TTL REV		\$ 48,547.44								

## POLLUTION PREVENTION / GOOD HOUSEKEEPING, CONTINUED:

**BMP # 4: Street Sweeper:** The City of Fairhope Public Works Department owns two street sweepers. Streets are swept daily in the downtown area, removing sediment and debris from the road ways, and storm drains. Other main streets in the City of Fairhope are swept weekly. Periodically, the street sweeper is used to clean vehicle tracking from streets, when contractors are not responsive to warnings issued in a timely manner. Contractors are charged a minimal fee of \$300 per hour for this service.

**BMP # 5: Project work by City Employees:** City departments are required to pull City of Fairhope construction / land disturbance permits (as well as any necessary State and Federal permits) for planned projects; City projects are held to the same standards as other projects. The Code Enforcement Officer (Planning Department) and the Building Inspectors (Building Department) ensure that erosion and sediment control on construction projects are done in accordance with City of Fairhope BMP standards (which follow the *Alabama Handbook*). City of Fairhope crew leaders of right of way and utility work are given the *Field Guide for Erosion and Sediment Control on Construction Sites in Alabama* as a reference tool. In FY 2014, city employees worked about 50 storm water projects within the City limits, as regular infrastructure maintenance as well as in response to a catastrophic storm event in April. These projects are detailed in Section 2.4 “Reporting Requirements” (page 10-16).

**BMP # 6: *Field Guide For Erosion and Sediment Control on Construction Sites in Alabama*,** by the Alabama Soil and Water Conservation Committee and Partners, is a pocket size pamphlet available to contractors and other permittees on request. Available in the Building Department.



*Pictured: Public Works Street Sweeper*

## **POLLUTION PREVENTION / GOOD HOUSEKEEPING, CONTINUED:**

**BMP # 7: Vehicle / Equipment Washing:** Employees in all departments within the City are instructed to wash vehicles and equipment only in designated areas, which are connected to the City of Fairhope Waste Water Treatment plant. The City currently has seven (7) designated wash rack facilities, which discharge into the Waste Water Treatment plant, within its operation. Wash rack facilities include the main wash rack at Public Works (555 South Section Street), the Transfer Station at Public Works, Founders Park Maintenance Barn (Founders Park, Hwy. 44), and car wash facilities at the Police Department (107 North Section Street) and Fire Stations. Fire Station addresses are: Station #1- 198 S. Ingleside Drive; Station #2- 19875 Thompson Hall Road; and Station #3- 8600 Highway 32 (Airport). **Director or department head of each department is responsible for overseeing the proper washing of vehicles and equipment in each department.** The Public Works Department also has a “Tire Rinse” only station (open grate drain) for the rinsing of mud and sediment from bull dozer tracks and equipment tires. This grate drain has a sediment removal basin, which is cleaned out annually by the Public Works Department. There is signage at this basin stating “Tire Rinsing Only”. Vehicles are not allowed to be washed off here, since this drains directly to Tatumville Gully.

### ➤ **Measurable Goals**

#### **Measurable Goals – Recap For 2014:**

##### **1. Department meetings for Pollution Prevention / Good Housekeeping**

**Status:** Complete August 2014

**Comment:** The Planning Department sent out a memo to all Department Supervisors on May 5, 2014. The City Litter Ordinance as it relates to the City storm water management program was highlighted. Two departments (Electric & PublicWorks) held a meeting in August to announce the Create A Clean Water Future campaign, viewing the “Red Fish Tales” storm water pollution prevention video. Public Works also held a staff meeting on January 8<sup>th</sup>, 2015, discussing littering and illicit discharges.

##### **2. Dry Weather Screening of Public Works Facility**

**Status:** Complete: January 2015

**Comments:** The Public Works Department Environmental Officer conducted a screening/assessment of the Public Works Facility on January 8, 2015 to ensure materials are being kept covered, and areas are clean.

# DRY WEATHER SCREENING OF PUBLIC WORKS FACILITY REPORT (JANUARY 2015):

CITY OF Fairhope, Alabama

---

1 of 1

Date: 01/08/15

To: Kim Burmeister

From: Dale Linder

Subject: Public Works Facility Inspection:  
555 South Section Street

1. Transfer Station: All running water and transfer station fluids safely drained and properly contained into sewer pump drainage. No Off flow noted into storm water drainage.

2. Tire Storage: All tires correctly stored under cover. Tires are sent out quarterly to authorized tire scrap recycling company.

3. Chemical Storage: All chemical drums stored off ground on wooden pallets on the transfer Station before shipping. Covered and protected from rainfall. Drums sent out quarterly to licensed chemical destruction company.

4. Aluminum Can Storage: All cans correctly stored in plastic containers, inside fenced off storage area. No drainage needed.

5. Glass Storage Bins: Correctly drained and positioned to utilize approved drainage culverts. Glass loaded and removed quarterly as needed to an authorized glass recycling company.

6. Vehicle Parking: On rock covered parking grids, all vehicles stored as required and no drainage observed from any vehicle fluids.

7. Wash Rack: Correctly drained into sewer sump and culverts with adequate wash water to correctly flow as planned.

8. Recycle Center Bailing Facility: All water sourced correctly contained and adequate storm water drainage into correctly placed culverts and storm drains.

9. Scrap Metal Dumpsters: Properly stored on concrete and dirt foundations with minimal storm water drainage.

10. Electronic Recycling Drop off Dumpster: Properly stored on concrete and dirt foundations with minimal storm water drainage.

11. Mud Wash Station: Ensure that no Public Works equipment or vehicles are commonly washed off into storm drains, grate drains. Mud rinse for work vehicles only w/ sediment trap in place. Done / Passed

Ensure recycling areas are free from discharges into drains. Done / Passed

Cooking oil and HHW facility; ensure that these are free from discharges into storm drains, grate drains. Ensure that rinsing is done into designated drains such as at Transfer Station. Done / Passed



## **POLLUTION PREVENTION / GOOD HOUSEKEEPING, CONTINUED:**

### **Measurable Goals For 2015:**

- 1. Good Housekeeping / Pollution Prevention memo for all departments**  
**Responsible Department:** Planning Department  
**Goal:** Create and send out a memo to all departments, reminding employees of good housekeeping or pollution control practices (*Director*)  
**Due:** December 2015
- 2. Dry Weather Screening of Public Works Facility**  
**Responsible Department:** Public Works  
**Goal:** Conduct dry weather screening of the facility at 555 South Section Street, to ensure rinsing activities are in designated areas; recycle and drop off materials are properly managed and covered; and to ensure Public Works activities are not contributing to illicit discharges (*Environmental Officer*)  
**Due:** December 2015
- 3. Recertify Pesticide Applicator's License @ Public Works & Golf Course**  
**Responsible Department:** Public Works Department / Golf Course  
**Goal:** Public Works recertify Landscape Supervisor #13571 (Exp. Dec. '15)  
**Goal:** Public Works recertify Horticulturist #14654 (Exp. Oct. '15)  
**Due:** Public Works (Dec. / October 2015)  
**Goal:** Golf Course recertify Grounds Supervisor #13550 (Exp. Dec. '15)  
**Due:** Golf Course: December 2015

### **Two to Five Year Measurable Goals:**

- 1. Recertify Pesticide Applicator's License @ Parks & Rec. Department**  
**Responsible Department:** Parks and Recreation  
**Goal:** Recertify Parks and Recreation Director # 13268 (Exp. Nov. '16)  
**Due:** November 2016



*Pictured: Public Works Landscape Supervisor (Certified Pesticide Applicator) applies pesticide to floral baskets at the City greenhouse on Nichols Avenue.*