



CITY OF TUSCALOOSA
PHASE II STORMWATER PROGRAM

PERMIT YEAR FOUR
ANNUAL REPORT
MARCH 2006-MARCH 2007



William Tinker - District 7

City of Tuscaloosa

Department of Transportation

Alvin P. DuPont, P.E. Mayor

Joseph A. Robinson, P.E.
Director of Transportation/City Engineer

Council Members

Bobby Howard - District 1
Harrison Taylor - District 2
Cynthia Almond - District 3
Lee Garrison - District 4
Kip Tyner - District 5
Bob Lundell - District 6
William Tinker - District 7

1000 28th Avenue, Tuscaloosa, AL 35401 (205)349-0240 Fax (205)349-0341 E-mail cchristi@ci.tuscaloosa.al.us

3/23/07

Alabama Department of Environmental Management
Post Office Box 301463
Montgomery, AL 36130-1463
ATTN: Ms. Vernetta Palmer

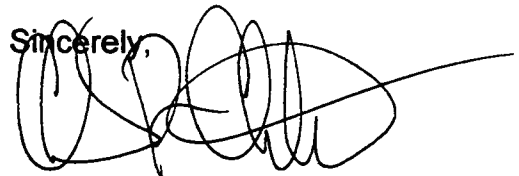
RE: City of Tuscaloosa Phase II Stormwater Permit
Annual Report

Dear Ms. Palmer:

Enclosed please find the Fourth Annual Report for the City of Tuscaloosa Stormwater Phase II NPDES Permit. We have continued our Public Education and Outreach efforts by mailing out 77,727 brochures to reach every household within Tuscaloosa County. This was a joint project undertaken with the City of Northport and Tuscaloosa County and demonstrates growing local cooperation to meet Phase II goals. I have included several copies of the brochure for your records. In addition, we are participating in a stormwater treatment research study with the University of Alabama which is outlined in the Appendix. We will continue to map outfalls and plan to initiate a storm drain marker program this summer. Please note that we are again requesting a few amendments to our NOI to allow additional time to train employees and finalize our Pollution Prevention Plan.

To avoid repetition of old material, I have only provided documentation in "Appendix D" that pertains to the efforts of the most recent permit year. Therefore, any documents referenced to be in the "Appendix" are contained in previous Appendices and are not duplicated in this volume. Feel free to contact me with any questions or if you should need additional information.

Sincerely,



Chad P. Christian, P.E.
Storm Drainage Engineer

David Griffin
Traffic
Engineer

Rex Buck
Transp. Maint.
Manager

Chad Christian
Storm Drainage
Engineer

Jimmy Sexton
Fleet Maint.
Manager

Charles Melson
Assistant City
Engineer

Wayne Cameron
Airport
Manager

Date Prepared: 03/30/2007

For questions regarding this report contact:

Chad Christian
1000 28th Avenue
Tuscaloosa, AL 35401

Stormwater Program Permit Information

1. Permitting Authority: ADEM	
2. Permit Number: Unknown	3. Permit Type: General
4. Permit Name: Tuscaloosa Small MS4 Permit	
5. Date Issue: 03/10/2003	6. Date Expire: 03/09/2008

General Information for MS4 Operator

1. Operator Name:	Walt Maddox		
2. Operator Title:	Mayor		
3. Represented Entity:	City of Tuscaloosa		
4. Mailing Address:	1000 28th Avenue		
5. Mail City, State, Zip:	Tuscaloosa, AL 35401		
6. Phone Number:			
7. E-Mail Address:			
8. Co-Permitting With:			
9. Population: 80,000	Households: 0	Area (sq mi): 0	
10. Official Website:			

General Information for Primary Contact Person

1. Name:	Chad Christian
2. Title:	Storm Drainage Engineer
3. Phone Number	(205) 349-0240
4. E-Mail Address:	

General Information for Secondary Contact Person

1. Name:	
2. Title:	
3. Phone Number	
4. E-Mail Address:	

Plan Contents Summary

The Stormwater Management Plan consists of the following Minimum Control Measures and BMPs:

Minimum Control Measures and BMPs		
Public Education and Outreach		
Advertise Stormwater Hotline		
	03/10/2003	03/10/2004
Conduct Public Education		
	03/10/2003	03/10/2004
Develop Educational Resources		
	03/10/2003	03/10/2004
Expand Educational Resources		
	03/10/2005	03/10/2006
Storm Drain Stenciling		
	03/10/2004	03/10/2007
Public Participation/Involvement		
Community Clean-Ups		
	03/09/2007	03/10/2008
Establish Citizen Volunteer Organization		
	03/10/2003	03/10/2004
Establish Citizen Watch Groups		
	03/10/2006	03/10/2007
Finalize Citizen Panel Recommendations		
	03/10/2004	03/10/2005
Public Awareness - Radio Media/Television		
	03/10/2004	03/10/2005
Public Meetings - Print Media		
	03/10/2003	03/10/2004
Illicit Discharge Detection and Elimination		
Illicit Discharge Detection and Elimination		
	03/10/2004	03/10/2007
Illicit Discharge Employee Training		
	03/10/2003	03/10/2008
Implement Illicit Discharge Tracking System		
	03/10/2003	03/10/2004
Ordinance/Regulatory Mechanism Evaluation		
	03/10/2003	03/10/2006
Recycling Program		
	03/10/2003	03/10/2005
Sewer System Map		
	03/10/2003	12/09/2006
Construction Site Runoff Control		

Statewide Program Established		
Post-Construction Runoff Control		
Identification of BMP's		
	03/10/2003	03/10/2004
Ordinance Evaluation		
	03/10/2004	03/10/2006
Publication of BMP's		
	03/10/2004	03/10/2005
Statewide Program Established		
Pollution Prevention/Good Housekeeping		
Develop Pollution Prevention Plan		
	03/10/2003	03/10/2008
Employee Training Materials		
	03/10/2003	03/10/2004
Implement Information Management System		
	03/10/2003	03/10/2004
Pollution Prevention/Housekeeping Effectiveness		
	03/10/2004	03/10/2008
Train Employees		
	03/10/2004	03/10/2008

Public Education and Outreach

Descriptive Text:

To satisfy this minimum control measure, the operator of a regulated small MS4 needs to:

1. 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 local waterbodies and the steps that can be taken to reduce storm water pollution; and
2. Determine the appropriate best management practices (BMPs) and measurable goals for this minimum control measure.

An informed and knowledgeable community is crucial to the success of a storm water management program since it helps to ensure the following:

1. Greater support for the program as the public gains a greater understanding of the reasons why it is necessary and important. Public support is particularly beneficial when operators of small MS4s attempt to institute new funding initiatives for the program or seek volunteers to help implement the program; and
2. Greater compliance with the program as the public becomes aware of the personal responsibilities expected of them and others in the community, including the individual actions they can take to protect or improve the quality of area waters.

Number of BMPs associated with control measure:

5

Important Dates:

Earliest Start Date: 03/10/2003

End Date: 03/10/2007

Details of BMPs and Work Performed for Them					
Advertise Stormwater Hotline					
Responsible Party: Unknown, Unknown					
Start Date: 03/10/2003			End Date: 03/10/2004		
Permits Years during which activities are scheduled:					
Year 1 X	Year 2	Year 3	Year 4	Year 5	
Name of Separate Implementing Entity: Unknown					
BMP Description: Advertise the Stormwater Hotline once established. This will promote citizen interest and participation in the stormwater management plan and establish a direct link from the community and stakeholders to the program.					
Has Goal Been Accomplished: YES					
Work Performed					
Date: 03/11/2005		Responsible Party: Chad Christian, Storm Drainage Engineer			
3rd Year Distribution of Phase II Brochure Approximately 500 additional copies of existing Phase II brochure distributed during permit year 3 at various small public meetings and speaking engagements. Refer to Appendix B of Permit Year 2 Annual Report for sample copy.					
Date: 03/11/2006		Responsible Party:			
4th Year Advertisement of Hotline Distributed Countywide brochure containing Stormwater Hotline information to 77,727 households. A copy of the brochure is included in Appendix D.					
Date: 03/11/2004		Responsible Party: Chad Christian, Storm Drainage Engineer			
Continued Distribution of Phase II Brochure Approximately 1000 additional copies of existing Phase II brochure distributed during permit year 2 at various small public meetings and speaking engagements. Refer to Appendix B of Permit Year 2 Annual Report for sample copy.					
Date: 07/02/2003		Responsible Party: Chad Christian, Unknown			
Started Distribution of Phase II Brochure Began distribution of Tuscaloosa stormwater brochure with contact information and telephone number. Approximately 1000 copies distributed to date at numerous small public meetings and speaking engagements as well as the major presentations listed.					
Conduct Public Education					
Responsible Party: Unknown, Unknown					
Start Date: 03/10/2003			End Date: 03/10/2004		
Permits Years during which activities are scheduled:					
Year 1 X	Year 2 X	Year 3 X	Year 4 X	Year 5	
Name of Separate Implementing Entity: Unknown					
BMP Description: Speak at seminars and public meetings to raise awareness of the City's Phase II program and begin education of the public concerning BMP's. Distribute brochures and other educational materials.					
Has Goal Been Accomplished: NO					

Work Performed

Date: 03/09/2005	Responsible Party:
"Our Great Lake" Media Campaign Initiated A multiyear media campaign has been funded during Permit Year Two to raise public awareness about watershed issues and to protect Lake Tuscaloosa, our local drinking water source. The campaign has entailed radio, newspaper, and billboard advertisement and watershed signs within the Lake Tuscaloosa Watershed. In addition, the website www.ourgreatlake.org was established. Refer to Appendix B for details of this campaign.	
Date: 03/11/2005	Responsible Party: Chad Christian, Storm Drainage Engineer
Continue "Our Great Lake" Media Campaign A multiyear media campaign was been funded during Permit Year Two to raise public awareness about watershed issues and to protect Lake Tuscaloosa, our local drinking water source. The campaign has entailed radio, newspaper, and billboard advertisement and watershed signs within the Lake Tuscaloosa Watershed. In addition, the website www.ourgreatlake.org was established. Refer to Appendix B of Permit Year Two Annual Report for details of this campaign. This campaign continued through Permit Year Three and is still active for upcoming Permit Year Four.	
Date: 03/11/2005	Responsible Party: Chad Christian, Storm Drainage Engineer
Continue Stormwater Media Campaign An \$18,000 "Stormwater Media Campaign" contract was authorized by the Tuscaloosa City Council on 9/23/04. This contract led to the creation and running of stormwater education print, radio, and television advertisement. This contract was completed in Permit Year 3. Please refer to Appendix B of the Permit Year Two Annual Report for examples and details of this campaign. Also please refer to Appendix C of this report for details of the ads run during Permit Year Three. A new larger campaign will be initiated in Permit Year Four to increase media exposure.	
Date: 10/10/2003	Responsible Party: Bennett Bearden, Unknown
Legal Aspects of Phase II Speech Speech conducted and paper presented to ABICLE "What Every Real Estate Lawyer Needs to Know" Conference covering all legal aspects of the EPA Phase II Program as it relates to affected municipalities.	
Date: 09/23/2004	Responsible Party: Chad Christian, Storm Drainage Engineer
Media Campaign Initiated An \$18,000 "Stormwater Media Campaign" contract was authorized by the Tuscaloosa City Council on 9/23/04. This contract has led to the creation and running of stormwater education print, radio, and television advertisement. Please refer to Appendix B for examples and details of this campaign.	
Date: 08/27/2003	Responsible Party: Chad Christian, Unknown
NEMO Presentation Gave NEMO Presentation to Alabama General Contractors Seminar "Employee Training for Inspecting BMPs". Copy of meeting notice included in Appendix.	
Date: 06/22/2005	Responsible Party: Chad Christian, Storm Drainage Engineer
Presentation at Weeks Bay Nonpoint Pollution Seminar A presentation detailing the City of Tuscaloosa's Stormwater Phase II compliance program was given to the 2005 Weeks Bay Nonpoint Source Pollution and Stormwater Workshop at Weeks Bay National Estuarine Reserve. A copy of the program agenda is included in Appendix C.	
Date: 05/10/2006	Responsible Party:
Produce and Distribute Countywide Brochure A joint funding agreement was executed with Tuscaloosa County and the City of Northport to produce and distribute an educational brochure to every household within the County. A total of 77,727 brochures were mailed out in January and February 2007. A copy of the brochure is included in Appendix D.	

Date: 03/02/2004	Responsible Party: Joe Robinson, Unknown			
Speech to Local Realtor's Meeting Delivered talk to Tuscaloosa Realtor's group and distributed ordinance and brochures.				
Date: 06/25/2003	Responsible Party: Chad Christian, Unknown			
Tuscaloosa Phase II Presentation Delivered Model Community presentation on details of the City of Tuscaloosa Phase II Program. Copy of meeting notice included in Appendix.				
Date: 02/11/2004	Responsible Party: Chad Christian, Unknown			
WaterQuest Presentation Conducted presentation on the Tuscaloosa Phase II Program at WaterQuest Nonpoint Source Watershed Forum and distributed ordinance, brochures, legal paper, and outfall mapping requirements. Copy of meeting notice included in Appendix.				
Develop Educational Resources				
Responsible Party: Unknown, Unknown				
Start Date: 03/10/2003		End Date: 03/10/2004		
Permits Years during which activities are scheduled:				
Year 1 X	Year 2	Year 3	Year 4	Year 5
Name of Separate Implementing Entity: Unknown				
BMP Description: Develop or collect existing brochures, fact sheets, print advertisements, radio and television media, and other educational materials to build a stormwater toolbox. Identify volunteer educators to be used for public education programs.				
Has Goal Been Accomplished: YES				

Work Performed

Date: 10/10/2003	Responsible Party: Bennett Bearden, Unknown			
Created Educational Paper on Legal Aspects of Phase II Paper written for educational effort covering the legal aspects of the Phase II program. Presented originally to real estate seminar and subsequently distributed at WaterQuest 2004. Copy included in Appendix B of Permit Year Two Annual Report.				
Date: 07/02/2003	Responsible Party: Chad Christian, Unknown			
Created Tuscaloosa Phase II Brochure Printed first run of City of Tuscaloosa Stormwater brochures. Brochure was created based on an EPA example brochure. Sample copy included in Appendix B of Permit Year Two Annual Report.				
Expand Educational Resources				
Responsible Party: Unknown, Unknown				
Start Date: 03/10/2005		End Date: 03/10/2006		
Permits Years during which activities are scheduled:				
Year 1	Year 2	Year 3 X	Year 4	Year 5
Name of Separate Implementing Entity: Unknown				
BMP Description: Develop a school curricula to educate students about stormwater issues. Create an informational website describing the City of Tuscaloosa Stormwater Management Plan.				
Has Goal Been Accomplished: YES				

Work Performed

Date: 09/23/2004	Responsible Party: Chad Christian, Storm Drainage Engineer			
Developed Additional Print, Radio and TV Ads and Logos New logos and a series of new radio, print, and television ads were developed as part of a graphic design and media campaign contract with Southern Digital Design. Some ads were based on materials previously obtained from the ADEM OEO and some work was designed specifically for the City of Tuscaloosa. One major television ad was used with the permission of Salt Lake County, Utah, who originated the ad. Refer to Appendix B of Permit Year Two Annual Report for examples.				
Date: 06/01/2004	Responsible Party: Chad Christian, Storm Drainage Engineer			
Obtained Grade School Educational Materials City Engineer Joe Robinson obtained Stormwater educational materials for school children through Patti Hurley with the ADEM Office of Education and Outreach.				
Storm Drain Stenciling				
Responsible Party: Unknown, Unknown				
Start Date: 03/10/2004		End Date: 03/10/2007		
Permits Years during which activities are scheduled:				
Year 1	Year 2 X	Year 3 X	Year 4 X	Year 5
Name of Separate Implementing Entity: Unknown				
BMP Description: Stencil storm drain tops with messages like "Do Not Dump - Drains to River". Utilize volunteer groups to help accomplish this task.				
Has Goal Been Accomplished: NO				

Work Performed

Date: 03/06/2005	Responsible Party: Chad Christian, Storm Drainage Engineer			
Storm Drain Lids Cast with Permanent "NO DUMPING" Message Obtained specifications for storm drain lids with "No Dumping - Drains to Waterways" message permanently cast in center. Several City projects have already utilized these new manhole covers - example and specifications in Appendix B of Year Two Annual Report. The subdivision regulations will be amended during Permit Year Four to require these inlet/junction box tops on all City projects and possibly all construction projects within the City Planning Jurisdiction.				

Public Participation/Involvement

Descriptive Text:

To satisfy this minimum control measure, the operator of a regulated small MS4 must:

1. Comply with applicable State, Tribal, and local public notice requirements; and
2. Determine the appropriate best management practices (BMPs) and measurable goals for this minimum control measure.

EPA believes that the public can provide valuable input and assistance to a regulated small MS4's municipal storm water management program and, therefore, suggests that the public be given opportunities to play an active role in both the development and implementation of the program. An active and involved community is crucial to the success of a storm water management program because it allows for:

1. Broader public support since citizens who participate in the development and decision making process are partially responsible for the program and, therefore, may be less likely to raise legal challenges to the program and more likely to take an active role in its implementation;
2. Shorter implementation schedules due to fewer obstacles in the form of public and legal challenges and increased sources in the form of citizen volunteers;
3. A broader base of expertise and economic benefits since the community can be a valuable, and free, intellectual resource; and
4. A conduit to other programs as citizens involved in the storm water program development process provide important cross-connections and relationships with other community and government programs. This benefit is particularly valuable when trying to implement a storm water program on a watershed basis, as encouraged by EPA.

Number of BMPs associated with control measure:

6

Important Dates:

Earliest Start Date: 03/10/2003

End Date: 03/10/2008

Details of BMPs and Work Performed for Them

Community Clean-Ups

Responsible Party: Unknown, Unknown

Start Date: 03/09/2007

End Date: 03/10/2008

Permits Years during which activities are scheduled:

Year 1 Year 2 Year 3 Year 4 Year 5 X

Name of Separate Implementing Entity:
Unknown

BMP Description:

Plan and schedule community clean-ups for ordinary citizens to gain hands-on experience while cleaning stream segments of trash and debris. Coordinate through the Citizen Panel.

Has Goal Been Accomplished: NO

Work Performed

Date: 03/11/2007

Responsible Party: Chad Christian, Storm Drainage Engineer

Amend NOI to Move Goal to Permit Year Five

We would like to move this Goal to Permit Year Five and coordinate Cleanups through TDOT rather than a Citizen Panel.

Establish Citizen Volunteer Organization

Responsible Party: Unknown, Unknown

Start Date: 03/10/2003

End Date: 03/10/2004

Permits Years during which activities are scheduled:

Year 1 Year 2 Year 3 X Year 4 Year 5

Name of Separate Implementing Entity:
Unknown

BMP Description:

Create a citizen group to provide input from various viewpoints concerning storm water management policies and BMPs. Use the group to assist with water quality monitoring and location of outfalls, identifying illicit discharges, and stenciling storm drains.

Has Goal Been Accomplished: NO

Work Performed

Date: 03/08/2005

Responsible Party: Chad Christian, Unknown

Amend NOI to Move Goal to Permit Year Three

We have not accomplished this task and wish to move this goal to Permit Year Three.

Date: 03/11/2006

Responsible Party: Chad Christian, Storm Drainage Engineer

Amend NOI to Remove Goal

We have not gained traction with this effort and believe that focusing on broad advertisement of the Stormwater Hotline and expanding the Public Awareness Media Campaign will achieve acceptable Public Participation and Involvement.

Establish Citizen Watch Groups

Responsible Party: Unknown, Unknown

Start Date: 03/10/2006

End Date: 03/10/2007

Permits Years during which activities are scheduled:

Year 1 Year 2 Year 3 Year 4 X Year 5

Name of Separate Implementing Entity:
Unknown

BMP Description:

Establish citizen watch groups and/or work with existing groups to monitor watersheds for potential and existing impacts to water quality.

Has Goal Been Accomplished: NO

Work Performed

Date: 03/29/2007

Responsible Party:

Amend NOI to Move Goal to Permit Year Five

We have established working relationships with active local watershed groups. We will form a broader citizen-based group as we continue our Outreach efforts.

Finalize Citizen Panel Recommendations

Responsible Party: Unknown, Unknown

Start Date: 03/10/2004

End Date: 03/10/2005

Permits Years during which activities are scheduled:

Year 1

Year 2

Year 3 X

Year 4

Year 5

Name of Separate Implementing Entity:
Unknown

BMP Description:

Compile the final recommendations of the Citizen Panel and publish the results. Make copies of the report freely available to the citizens.

Has Goal Been Accomplished: NO

Work Performed

Date: 03/08/2005

Responsible Party:

Amend NOI to Move Goal to Permit Year Three

We have not accomplished this task and wish to move this goal to Permit Year Three.

Date: 03/11/2006

Responsible Party: Chad Christian, Storm Drainage Engineer

Amend NOI to Remove Goal

We have not gained traction with this effort and believe that focusing on broad advertisement of the Stormwater Hotline and expanding the Public Awareness Media Campaign will achieve acceptable Public Participation and Involvement.

Public Awareness - Radio Media/Television

Responsible Party: Unknown, Unknown

Start Date: 03/10/2004

End Date: 03/10/2005

Permits Years during which activities are scheduled:

Year 1

Year 2 X

Year 3

Year 4

Year 5

Name of Separate Implementing Entity:
Unknown

BMP Description:

Radio and television spots promoting personal responsibility for compliance with the stormwater program and/or informing the public about the construction permit process.

Has Goal Been Accomplished: YES

Work Performed

Date: 03/11/2006

Responsible Party: Chad Christian, Storm Drainage Engineer

Continue Stormwater Media Campaign	
An \$18,000 "Stormwater Media Campaign" contract was authorized by the Tuscaloosa City Council on 9/23/04. This contract led to the creation and running of stormwater education print, radio, and television advertisement. This contract was completed in Permit Year 3. Please refer to Appendix B of the Permit Year Two Annual Report for examples and details of this campaign. Also please refer to Appendix C of this report for details of the ads run during Permit Year Three. A new larger campaign will be initiated in Permit Year Four to increase media exposure.	
Date: 09/23/2004	Responsible Party: Chad Christian, Storm Drainage Engineer
Media Campaign Initiated	
An \$18,000 "Stormwater Media Campaign" contract was authorized by the Tuscaloosa City Council on 9/23/04. This contract has led to the creation and running of stormwater education print, radio, and television advertisement. Please refer to Appendix B for examples and details of this campaign.	
Public Meetings - Print Media	
Responsible Party: Unknown, Unknown	
Start Date: 03/10/2003	End Date: 03/10/2004
Permits Years during which activities are scheduled:	
Year 1	Year 2
Year 3 X	Year 4
Year 5	
Name of Separate Implementing Entity:	
Unknown	
BMP Description:	
Notify citizens of public meetings in several different print media.	
Has Goal Been Accomplished: NO	
Work Performed	
Date: 03/08/2005	Responsible Party: Chad Christian, Unknown
Amend NOI to Move Goal to Permit Year Three	
We have not accomplished this task and wish to move this goal to Permit Year Three.	
Date: 03/11/2006	Responsible Party: Chad Christian, Storm Drainage Engineer
Amend NOI to Remove Goal	
We have not gained traction with this effort and believe that focusing on broad advertisement of the Stormwater Hotline and expanding the Public Awareness Media Campaign will achieve acceptable Public Participation and Involvement.	

Illicit Discharge Detection and Elimination

Descriptive Text:

Recognizing the adverse effects illicit discharges can have on receiving waters, the final rule requires an operator of a regulated small MS4 to develop, implement and enforce an illicit discharge detection and elimination program. This program must include the following:

1. A storm sewer system map, showing the location of all outfalls and the names and location of all waters of the United States that receive discharges from those outfalls;
2. Through an ordinance, or other regulatory mechanism, a prohibition (to the extent allowable under State, Tribal, or local law) on non-storm water discharges into the MS4, and appropriate enforcement procedures and actions;
3. A plan to detect and address non-storm water discharges, including illegal dumping, into the MS4;

4. The education of public employees, businesses, and the general public about the hazards associated with illegal discharges and improper disposal of waste; and
5. The determination of appropriate best management practices (BMPs) and measurable goals for this minimum control measure.

Discharges from MS4s often include wastes and wastewater from non-storm water sources. A study conducted in 1987 in Sacramento, California, found that almost one-half of the water discharged from a local MS4 was not directly attributable to precipitation runoff. A significant portion of these dry weather flows were from illicit and/or inappropriate discharges and connections to the MS4. Illicit discharges enter the system through either direct connections (e.g., wastewater piping either mistakenly or deliberately connected to the storm drains) or indirect connections (e.g., infiltration into the MS4 from cracked sanitary systems, spills collected by drain outlets, or paint or used oil dumped directly into a drain). The result is untreated discharges that contribute high levels of pollutants, including heavy metals, toxics, oil and grease, solvents, nutrients, viruses, and bacteria to receiving waterbodies. Pollutant levels from these illicit discharges have been shown in EPA studies to be high enough to significantly degrade receiving water quality and threaten aquatic, wildlife, and human health.

Number of BMPs associated with control measure:

6

Important Dates:

Earliest Start Date: 03/10/2003

End Date: 03/10/2008

Details of BMPs and Work Performed for Them

Illicit Discharge Detection and Elimination

Responsible Party: Unknown, Unknown

Start Date: 03/10/2004 End Date: 03/10/2007

Permits Years during which activities are scheduled:

Year 1 Year 2 X Year 3 X Year 4 X Year 5

Name of Separate Implementing Entity:
Unknown

BMP Description:
Utilizing the System Map and Illicit Discharge Information Management System, begin systematic inspection of outfall lines to identify potential problems. After identifying actual illicit connections, take steps to eliminate them and report the action taken and results.

Has Goal Been Accomplished: NO

Work Performed

Date: 03/10/2005 Responsible Party: Chad Christian, Storm Drainage Engineer

Continued Inspection and Enforcement
Inspection and Enforcement efforts were increased during Permit Year Three.

Date: 03/11/2006 Responsible Party:

Continued Inspection and Enforcement Increased
Inspection and enforcement efforts were ramped up again in Permit Year Four. At this point most builders and contractors are aware of BMP requirements and are actively complying.

Date: 03/11/2004 Responsible Party: Chad Christian, Storm Drainage Engineer

Inspection and Enforcement Activities Increased
A core group of TDOT employees were trained during Permit Year Two to increase our inspection and enforcement activities. Subdivision, homebuilding, and site development activities are monitored and the correction of BMP deficiencies is required as identified. Tips or complaints recieved through the stormwater hotline are acted on accordingly. We plan to train additional employees and continue to ramp up inspection and enforcement activity during Permit Year Three.

Illicit Discharge Employee Training

Responsible Party: Unknown, Unknown

Start Date: 03/10/2003 End Date: 03/10/2008

Permits Years during which activities are scheduled:

Year 1 X Year 2 X Year 3 X Year 4 X Year 5 X

Name of Separate Implementing Entity:
Unknown

BMP Description:
Design and administer a training program for employees to teach them to recognize and document potential illicit discharges.

Has Goal Been Accomplished: NO

Work Performed

Date: 01/03/2005 Responsible Party: Chad Christian, Storm Drainage Engineer

Initiated Employee Training
A core group of employees has been trained and consequently our inspection and enforcement activities have been ramped up during Permit Year Two. Additional employees were trained during Permit Year Three and Four to expand these efforts. We will continue this training throughout Permit

Year Five and therefore need to amend our NOI to reflect this continued training activity.

Implement Illicit Discharge Tracking System

Responsible Party: Unknown, Unknown

Start Date: 03/10/2003

End Date: 03/10/2004

Permits Years during which activities are scheduled:

Year 1 X

Year 2

Year 3

Year 4

Year 5

Name of Separate Implementing Entity:
Unknown

BMP Description:

Implement an information management system to gather and document all information concerning illicit discharge detention and elimination. Summarize results including outfalls screened, number of illicit discharges discovered through screening or complaints, and illicit discharges resolved.

Has Goal Been Accomplished: YES

Work Performed

Date: 01/01/2003

Responsible Party: Chad Christian, Unknown

ASIST Software Implemented

ASIST Software Suite purchased and implemented. Description of software capabilities included in Appendix of Year One Annual Report.

Ordinance/Regulatory Mechanism Evaluation

Responsible Party: Unknown, Unknown

Start Date: 03/10/2003

End Date: 03/10/2006

Permits Years during which activities are scheduled:

Year 1 X

Year 2 X

Year 3 X

Year 4

Year 5

Name of Separate Implementing Entity:
Unknown

BMP Description:

March 2004

Evaluate existing ordinances/regulations

Prepare draft of revised ordinances/regulations

March 2005

Gather stakeholder comments and other input

March 2006

Revise and enact new ordinances and regulations

Has Goal Been Accomplished: YES

Work Performed

Date: 02/03/2004

Responsible Party: Tuscaloosa City Council, Unknown

Ordinance Adopted

A new ordinance was written with input from various stakeholder groups. It evolved over 9 drafts and assimilated concerns of the stakeholders. The final version of the Tuscaloosa Phase II ordinance was adopted by the City Council on February 3, 2004. A copy of the ordinance as adopted is included in the Appendix of Permit Year One Annual Report.

Recycling Program

Responsible Party: Unknown, Unknown

Start Date: 03/10/2003

End Date: 03/10/2005

Permits Years during which activities are scheduled:

Year 1 X	Year 2 X	Year 3	Year 4	Year 5
Name of Separate Implementing Entity: Unknown				
BMP Description: Initiate or publicize an existing recycling program to collect commonly dumped wastes such as antifreeze, motor oil, paint, and pesticides.				
Has Goal Been Accomplished: YES				
Work Performed				
Date: 03/11/2004		Responsible Party:		
Continued Growth of Recycling Program The Environmental Services Department of the City of Tuscaloosa has expanded the Recycling Program during Permit Year Two as follows: The program currently serves 6000 residences and will add another 2000 in April 2005. To promote recycling, three different radio and television ads are run throughout the year and an educational brochure is distributed. Additional outreach is performed by speaking at public meetings and an educational program is presented to grades K-12 in the local schools. Please refer to Appendix B for additional details and sample educational materials.				
Sewer System Map				
Responsible Party: Unknown, Unknown				
Start Date: 03/10/2003		End Date: 12/09/2006		
Permits Years during which activities are scheduled:				
Year 1 X	Year 2 X	Year 3 X	Year 4 X	Year 5
Name of Separate Implementing Entity: Unknown				
BMP Description: 20% of system mapped March 2004 50% of system mapped March 2005 80% of system mapped March 2006 100% of system mapped November 2006				
Has Goal Been Accomplished: NO				
Work Performed				
Date: 03/11/2006		Responsible Party:		
Additional Mapping in Permit Year Four Additional GPS outfall mapping was performed in Permit Year Four and is reflected in the System Map Submitted at the end of 2006. We will continue mapping in Permit Year Five to gather all Outfall data as required.				
Date: 08/05/2003		Responsible Party: Chad Christian, Unknown		
Began Outfall Mapping Tuscaloosa City Council authorizes contract with local engineering firm to undertake GPS mapping of outfalls. Copy of Council action and description of data collected for each outfall is included in the Appendix. 275 outfalls have been surveyed to date; this represents approximately 20% of the total number of outfalls that will eventually be identified. The contract will be amended to continue in the 2004 permit year.				
Date: 03/11/2004		Responsible Party: Chad Christian, Storm Drainage Engineer		

Continued System Mapping

The existing Engineering Contract was extended to continue mapping efforts in Permit Year Two and beyond. During Permit Year Three we plan to generate the first map for showing outfall locations.

Date: 03/10/2005

Responsible Party: Chad Christian, Storm Drainage Engineer

Further System Mapping

During Permit Year Three mapping was continued. For Permit Year Four we plan to add GIS functionality for our outfall maps.

Construction Site Runoff Control

Descriptive Text:

The Phase II Final Rule requires an operator of a regulated small MS4 to develop, implement, and enforce a program to reduce pollutants in storm water runoff to their MS4 from construction activities that result in a land disturbance of greater than or equal to one acre.

The small MS4 operator is required to:

1. Have an ordinance or other regulatory mechanism requiring the implementation of proper erosion and sediment controls, and controls for other wastes, on applicable construction sites;
2. Have procedures for site plan review of construction plans that consider potential water quality impacts;
3. Have procedures for site inspection and enforcement of control measures;
4. Have sanctions to ensure compliance (established in the ordinance or other regulatory mechanism);
5. Establish procedures for the receipt and consideration of information submitted by the public; and
6. Determine the appropriate best management practices (BMPs) and measurable goals for this minimum control measure.

Polluted storm water runoff from construction sites often flows to MS4s and ultimately is discharged into local rivers and streams. Of the pollutants listed in Table 1, sediment is usually the main pollutant of concern. Sediment runoff rates from construction sites are typically 10 to 20 times greater than those of agricultural lands, and 1,000 to 2,000 times greater than those of forest lands. During a short period of time, construction sites can contribute more sediment to streams than can be deposited naturally during several decades. The resulting siltation, and the contribution of other pollutants from construction sites, can cause physical, chemical, and biological harm to our nation's waters. For example, excess sediment can quickly fill rivers and lakes, requiring dredging and destroying aquatic habitats.

Table 1

Pollutants Commonly Discharged From Construction Sites

Sediment
Solid and sanitary wastes
Phosphorous (fertilizer)
Nitrogen (fertilizer)
Pesticides
Oil and grease
Concrete truck washout

Number of BMPs associated with control measure:

0

Important Dates:

Earliest Start Date:

End Date:

Post-Construction Runoff Control

Descriptive Text:

The Phase II Final Rule requires an operator of a regulated small MS4 to develop, implement, and enforce a program to reduce pollutants in post-construction runoff to their MS4 from new development and redevelopment projects that result in the land disturbance of greater than or equal to 1 acre. The small MS4 operator is required to:

1. Develop and implement strategies which include a combination of structural and/or non-structural best management practices (BMPs);
2. Have an ordinance or other regulatory mechanism requiring the implementation of post-construction runoff controls to the extent allowable under State, Tribal or local law,
3. Ensure adequate long-term operation and maintenance of controls;
4. Determine the appropriate best management practices (BMPs) and measurable goals for this minimum control measure.

Post-construction storm water management in areas undergoing new development or redevelopment is necessary because runoff from these areas has been shown to significantly effect receiving waterbodies. Many studies indicate that prior planning and design for the minimization of pollutants in post-construction storm water discharges is the most cost-effective approach to storm water quality management.

There are generally two forms of substantial impacts of post-construction runoff. The first is caused by an increase in the type and quantity of pollutants in storm water runoff. As runoff flows over areas altered by development, it picks up harmful sediment and chemicals such as oil and grease, pesticides, heavy metals, and nutrients (e.g., nitrogen and phosphorus). These pollutants often become suspended in runoff and are carried to receiving waters, such as lakes, ponds, and streams. Once deposited, these pollutants can enter the food chain through small aquatic life, eventually entering the tissues of fish and humans. The second kind of post-construction runoff impact occurs by increasing the quantity of water delivered to the waterbody during storms. Increased impervious surfaces interrupt the natural cycle of gradual percolation of water through vegetation and soil. Instead, water is collected from surfaces such as asphalt and concrete and routed to drainage systems where large volumes of runoff quickly flow to the nearest receiving water. The effects of this process include streambank scouring and downstream flooding, which often lead to a loss of aquatic life and damage to property.

Number of BMPs associated with control measure:

3

Important Dates:

Earliest Start Date: 03/10/2003

End Date: 03/10/2006

Details of BMPs and Work Performed for Them					
Identification of BMP's					
Responsible Party: Unknown, Unknown					
Start Date: 03/10/2003			End Date: 03/10/2004		
Permits Years during which activities are scheduled:					
Year 1	X	Year 2	Year 3	Year 4	Year 5
Name of Separate Implementing Entity: Unknown					
BMP Description: Identify and catalog a mix of effective BMPs tailored to the geography and rainfall patterns of Tuscaloosa. Utilize existing manuals or guidance available from regulatory bodies when possible.					
Has Goal Been Accomplished: YES					
Work Performed					
Date: 02/03/2004		Responsible Party: Tuscaloosa City Council, Unknown			
BMP Manual Adopted Tuscaloosa City Council adopted Alabama Handbook for Erosion Control, Sediment Control, and Storm Water Management on Construction Sites and Urban Areas.					
Ordinance Evaluation					
Responsible Party: Unknown, Unknown					
Start Date: 03/10/2004			End Date: 03/10/2006		
Permits Years during which activities are scheduled:					
Year 1	X	Year 2	X	Year 3	X
Year 4		Year 5			
Name of Separate Implementing Entity: Unknown					
BMP Description: March 2004 Evaluate existing ordinances/regulations Prepare draft of revised ordinances/regulations March 2005 Gather stakeholder comments and other input March 2006 Revise and enact new ordinances and regulations					
Has Goal Been Accomplished: YES					
Work Performed					
Date: 02/03/2004		Responsible Party: Tuscaloosa City Council, Unknown			
Ordinance Adopted A new ordinance was written with input from various stakeholder groups. It evolved over 9 drafts and assimilated concerns of the stakeholders. The final version of the Tuscaloosa Phase II ordinance was adopted by the City Council on February 3, 2004. A copy of the ordinance as adopted is included in the Appendix.					
Publication of BMP's					
Responsible Party: Unknown, Unknown					
Start Date: 03/10/2004			End Date: 03/10/2005		

Permits Years during which activities are scheduled:				
Year 1	Year 2 X	Year 3	Year 4	Year 5
Name of Separate Implementing Entity: Unknown				
BMP Description: Distribute the previously developed BMP Manual to developers, municipal staff and interested citizens.				
Has Goal Been Accomplished: YES				
Work Performed				
Date: 01/03/2005		Responsible Party: Chad Christian, Storm Drainage Engineer		
Adopted BMP Manual Made Available Two hard copies of the adopted BMP manual (Alabama Handbook) were made available for public inspection and use at the Tuscaloosa Department of Transportation office.				

Pollution Prevention/Good Housekeeping

Descriptive Text:

Recognizing the benefits of pollution prevention practices, the rule requires an operator of a regulated small MS4 to:

1. Develop and implement an operation and maintenance program with the ultimate goal of preventing or reducing pollutant runoff from municipal operations into the storm sewer system;
 2. Include employee training on how to incorporate pollution prevention/good housekeeping techniques into municipal operations such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance. To minimize duplication of effort and conserve resources, the MS4 operator can use training materials that are available from EPA, their State or Tribe, or relevant organizations;
 3. Determine the appropriate best management practices (BMPs) and measurable goals for this minimum control measure.
- The Pollution Prevention/Good Housekeeping for municipal operations minimum control measure is a key element of the small MS4 storm water management program. This measure requires the small MS4 operator to examine and subsequently alter their own actions to help ensure a reduction in the amount and type of pollution that: (1) collects on streets, parking lots, open spaces, and storage and vehicle maintenance areas and is discharged into local waterways; and (2) results from actions such as environmentally damaging land development and flood management practices or poor maintenance of storm sewer systems. While this measure is meant primarily to improve or protect receiving water quality by altering municipal or facility operations, it also can result in a cost savings for the small MS4 operator, since proper and timely maintenance of storm sewer systems can help avoid repair costs from damage caused by age and neglect.

Number of BMPs associated with control measure:

5

Important Dates:

Earliest Start Date: 03/10/2003

End Date: 03/10/2008

Details of BMPs and Work Performed for Them

Develop Pollution Prevention Plan

Responsible Party: Unknown, Unknown

Start Date: 03/10/2003

End Date: 03/10/2008

Permits Years during which activities are scheduled:

Year 1 X

Year 2 X

Year 3 X

Year 4 X

Year 5 X

Name of Separate Implementing Entity:

Unknown

BMP Description:

Develop a comprehensive Pollution Prevention Plan that identifies the following: BMP's, Management Practices and Maintenance Schedules, Recycling Efforts, Waste Disposal Guidelines, and Areas of Concern.

Has Goal Been Accomplished: NO

Work Performed

Date: 02/03/2004

Responsible Party: Chad Christian, Unknown

BMPs Identified

BMP menu identified with the adoption of the Alabama Handbook for Erosion Control, Sediment Control, and Storm Water Management on Construction Sites and Urban Areas.

Date: 01/13/2004

Responsible Party: Natural Resources Subcommittee, Unknown

City of Tuscaloosa Comprehensive Plan Input

The City of Tuscaloosa Comprehensive Plan is being updated currently. A Stormwater/Watershed Task Force was formed from members of the Comprehensive Plan Natural Resources Subcommittee to submit goals and guidelines for inclusion in the new Comprehensive Plan. A summary of the recommendations made is included in the Appendix.

Date: 03/11/2004

Responsible Party: Chad Christian, Storm Drainage Engineer

Continued Development of Plan

An additional street sweeping route has been started to focus on residential neighborhoods. We now have three street sweeping routes in regular implementation. Our NOI needs to be amended to reflect the completion of our Pollution Prevention Plan in Permit Year Five.

Employee Training Materials

Responsible Party: Unknown, Unknown

Start Date: 03/10/2003

End Date: 03/10/2004

Permits Years during which activities are scheduled:

Year 1 X

Year 2

Year 3

Year 4

Year 5

Name of Separate Implementing Entity:

Unknown

BMP Description:

Develop and collect training materials to educate staff about pollution prevention and good housekeeping. Some items will need to be specifically tailored to Tuscaloosa while others are available from EPA and other external sources.

Has Goal Been Accomplished: YES

Work Performed

Implement Information Management System

Responsible Party: Unknown, Unknown	
Start Date: 03/10/2003	
Permits Years during which activities are	
Year 1 X	Year 2
Name of Separate Implementing Entity: Unknown	
BMP Description: Implement an information management system for stormwater outfalls. Use system to schedule and perform inspections.	
Has Goal Been Accomplished: YES	

Date: 01/01/2003	Responsible Party: Unknown
ASIST Software Implemented ASIST Software Suite purchased and installed. See Appendix.	
Pollution Prevention/Housekeeping BMP	
Responsible Party: Unknown, Unknown	
Start Date: 03/10/2004	
Permits Years during which activities are	
Year 1	Year 2
Name of Separate Implementing Entity: Unknown	
BMP Description: Generate reports that summarize the flow of pollutants intercepted, list of facilities and equipment inspected, compliance and explanation of discrepancies.	
Has Goal Been Accomplished: NO	

Train Employees	
Responsible Party: Unknown, Unknown	
Start Date: 03/10/2004	
Permits Years during which activities are	
Year 1	Year 2
Name of Separate Implementing Entity: Unknown	
BMP Description: Utilizing the Employee Training Toolbox approach, train staff on pollution prevention and good housekeeping measures.	
Has Goal Been Accomplished: NO	

Date: 03/11/2004	Responsible Party: Unknown
Core Group of Employees Trained	

Start Date: 03/10/2004	
Permits Years during which activities are	
Year 4	Year 5
Name of Separate Implementing Entity: Unknown	
BMP Description: Inventory of stormwater facilities and equipment. Document and report any actions taken.	
Has Goal Been Accomplished: YES	

Date: 03/10/2008	Responsible Party: Unknown
ASIST Software Implemented ASIST Software Suite purchased and installed. See Appendix.	
Pollution Prevention/Housekeeping BMP	
Responsible Party: Unknown, Unknown	
Start Date: 03/10/2008	
Permits Years during which activities are	
Year 4 X	Year 5 X
Name of Separate Implementing Entity: Unknown	
BMP Description: Generate reports that summarize the flow of pollutants intercepted, list of facilities and equipment inspected, compliance and explanation of discrepancies.	
Has Goal Been Accomplished: NO	

Train Employees	
Responsible Party: Unknown, Unknown	
Start Date: 03/10/2008	
Permits Years during which activities are	
Year 4 X	Year 5 X
Name of Separate Implementing Entity: Unknown	
BMP Description: Utilizing the Employee Training Toolbox approach, train staff on pollution prevention and good housekeeping measures.	
Has Goal Been Accomplished: NO	

Date: 03/11/2004	Responsible Party: Unknown
Storm Drainage Engineer	

A core group of employees has been trained during Permit Year Two. Additional employees were trained during Permit Year Three and Four. Our NOI should be amended to reflect the completion of employee training in Permit Year Five.



APPENDIX D





EDUCATION AND OUTREACH





COUNTYWIDE BROCHURE MAILOUT



FORM PREPARED BY:
City of Tuscaloosa
Thomas D. Bobitt, II
Associate City Attorney
Office of the City Attorney

STATE OF ALABAMA)
TUSCALOOSA COUNTY)
CITY OF TUSCALOOSA)

**JOINT FUNDING AGREEMENT FOR A PUBLIC EDUCATION
CAMPAIGN ON STORMWATER MANAGEMENT**

WHEREAS, stormwater run off is a major concern to all residents of Tuscaloosa County which contributes to flooding, pollution of ground water, and the adverse effects to the watershed and lakes; and,

WHEREAS, to educate the public as to the dangers, hazards and adverse effects of stormwater run off, the City of Tuscaloosa (City), City of Northport and Tuscaloosa County (Northport and Tuscaloosa County) desire to enter into a joint agreement to fund a public education campaign regarding stormwater management by providing information to the public to reduce the amount of polluted run off from entering the watershed, lakes and groundwater; and,

WHEREAS, the City and Northport and Tuscaloosa County wish to enter into an agreement whereby the parties will share in the cost of the public education campaign subject to certain terms and conditions.

W-I-T-N-E-S-S-E-T-H:

THIS AGREEMENT is made and entered into by and between the City and Northport and Tuscaloosa County on this the 10th day of MAY, 2006, for and in consideration of the sums herein stated and other good and valuable mutual consideration moving between the parties and as more particularly set forth herein, as follows:

Section 1. Authority

The City and Northport and Tuscaloosa County are acting in regard to this agreement according to the rights, duties and authorities granted to them pursuant to the provisions as set forth in Ala. Code § 41-16-50(b) (1975).

Section 2. Scope of Campaign

The City, Northport and Tuscaloosa County shall agree to jointly fund the campaign which will consist of the design, printing and mailing of stormwater management information to approximately 77,917.00 residents in Tuscaloosa County

Section 3. Funding and Appropriation

The City, Northport and Tuscaloosa County shall to agree to jointly expend an amount not to exceed \$25,330.35 for said campaign in the percentages and amounts as follows:

Tuscaloosa County: 56.8%	\$14,387.64
City of Tuscaloosa: 32.8%	\$ 8,308.35
City of Northport: 10.4%	<u>\$ 2,634.36</u>
	\$25,330.35

Section 4. Termination

Should one party to this agreement fail to obtain approval of its governing body to fund this agreement, the remaining parties shall have the right to proceed with the funding of this agreement in such amounts or percentages as may be agreed upon. In the event one of the remaining parties does not wish to proceed with the agreement, the agreement shall be declared null and void and all parties are relieved of their respective obligations and any funds paid will be refunded accordingly.

Section 5. Time

Time is of the essence for the performance of the respective obligations of each party to this agreement. If a time period is not stated, then a party shall perform as expeditiously as possible within a reasonable amount of time including obtaining such respective resolutions from each governing body as required assenting to the funding of this agreement

Section 6. Open Meetings and Public Records

As the City, Northport and Tuscaloosa County are utilizing public funds and/or other things of public value, use of City or County employees and/or equipment from the City and County pursuant to this agreement, all parties agree hereto:

1. To the same and like extent as is applicable to the City, Northport or Tuscaloosa County, all meetings of the governing or controlling body or any committee or subcommittee thereof shall be open to the public when any issue or matter involving or relating directly or indirectly to this agreement is discussed or considered and when there is any discussion or consideration of the use of public funds or things of value provided pursuant to this agreement.

2. Public Records. To the same and like extent as is applicable to the City, Northport or Tuscaloosa County pursuant to State law, all records, documents, letters, minutes, memoranda, etc., shall be open to public inspection and copying when the same pertain to any issue or matter involving or relating directly or indirectly to the performance of this agreement or the use of public funds or other things of value provided pursuant to this agreement.

Section 7. Notices

All notices provided herein or which need to be given in connection with the performance of any obligation or condition of this agreement shall be in writing and shall be delivered by personal delivery, certified mail, return receipt requested, overnight delivery to the following:

City of Tuscaloosa: Chad Christian
Tuscaloosa Department of Transportation
1000 28th Avenue
Tuscaloosa, Alabama 35401

Tuscaloosa County: Bob Tolbert
Tuscaloosa County Public Works Department
2810 35th Street
Tuscaloosa, Alabama 35401

City of Northport: Richard Powell
City Engineer
City of Northport City Hall
3500 McFarland Boulevard
Northport, Alabama 35476

Section 8. Miscellaneous

Capacity: Each Party to this Agreement represents and warrants to the other as follows:

- A. That it is an individual of the age of majority or otherwise a legal entity duly organized and in good standing pursuant to all applicable laws, rules and regulations.
- B. That each has full power and capacity to enter into this Agreement, to perform and to conclude the same including the capacity, to the extent applicable, to grant, convey and/or transfer; areas, assets, facilities, properties, (both real and personal), permits, consents and authorizations and/or the full power and right to acquire and accept the same.
- C. That to the extent required, each Party has obtained the necessary approval of its governing body or board and a resolution or other binding act has been duly and properly enacted by such governing body or board authorizing this Agreement and said approval has been reduced to writing and certified or attested by the appropriate official of the Party.
- D. That each Party has duly authorized and empowered a representative to execute this Agreement on their respective behalf and the execution of this Agreement by such representative fully and completely binds the Party to the terms and conditions hereof.
- E. That absent fraud, the execution of this Agreement by a representative of the party shall constitute a certification that all such authorizations for execution exist and have been performed and the other Party shall be entitled to rely upon the same. To the extent a Party is a partnership, limited liability company or joint venture, the execution of this Agreement by any member thereof shall bind the Party and to the extent that the execution of Agreement is limited to a manager, managing partner or specific member then the person so executing this Agreement is duly authorized to act in such capacity for the Party.
- F. That each party represents and warrants to the other that there is no litigation, claim or administrative action threatened or pending or other proceedings to its knowledge against it which would have an adverse impact upon this transaction or upon either's ability to conclude the transaction or perform pursuant to the terms and conditions of this Agreement.
- G. That each party has obtained any and all required permits, approvals and/or authorizations from third parties to enable it to fully perform pursuant to this Agreement.

Final Integration: This Agreement, together with any amendments, constitutes the entire agreement of the parties, as a complete and final integration thereof with respect to its subject matter. In the event of a direct conflict between the provisions hereof and any prior agreement or amendment, the latter shall supersede the former. All written or oral understandings and agreements heretofore had between and among the parties are merged into this Agreement, which alone fully and completely expresses their understandings. No representation, warranty, or covenant made by any party which is not contained in this Agreement or expressly referred to herein has been relied on by any party in entering into this Agreement.

Force Majeure: Neither party to this Agreement shall hold the other party responsible for damages or delay in performance caused by acts of God, strikes, lockouts or other circumstances beyond the reasonable control of the other or the other party's employees, agents or contractors.

Amendment in Writing: This Agreement may not be amended, modified, altered, changed, terminated, or waived in any respect whatsoever, except by a further agreement in writing, properly executed by all of the parties.

Binding Effect: This Agreement shall bind the parties and their respective personal representatives, heirs, next of kin, legatees, distributees, successors, and assigns. If any provision in this Agreement shall be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.

Captions: The captions of this Agreement are for convenience and reference only, are not a part of this Agreement, and in no way define, describe, extend, or limit the scope or intent of this Agreement.

Construction: This Agreement shall be construed in its entirety according to its plain meaning and shall not be construed against the party who provided or drafted it.

Mandatory and Permissive: "Shall", "will", and "agrees" are mandatory; "may" is permissive.

Governing Laws: The laws of the State of Alabama shall govern the validity of this Agreement, the construction of its terms, the interpretation of the rights, the duties of the parties, the enforcement of its terms, and all other matters relating to this Agreement.

Prohibition on Assignment and Delegation: No party to this Agreement may assign or delegate its interests or obligations hereunder without the written consent of all other parties hereto obtained in advance of any such assignment or delegation. No such assignment or delegation shall in any manner whatsoever relieve any party from its obligations and duties hereunder and such assigning or delegating party shall in all respects remain liable hereunder irrespective of such assignment or delegation.

Waiver: Non enforcement of any provision of this Agreement by either party shall not constitute a waiver of that provision, nor shall it affect the enforceability of that provision or of the remaining terms and conditions of the Agreement.

Ownership of Contract Documents: The Contract Documents, and copies of parts thereof, are furnished and owned by the City. All portions of the Contract Document, and copies of parts thereof, are the instruments of serve for this project. They are not to be used on other work and are to be returned to the City on request at the completion of the work. Any reuse of these materials without specific written verification or adaptation by the City will be at the risk of the user and without liability or legal expense to the City. Such user shall hold the City harmless from any and all damages, including reasonable attorneys' fees, from any and all claims arising from any such reuse. Any such verification and adoption shall entitle the City to further compensation at rates to be agreed upon by the user and the City.

Fines and Penalties: The Contractor shall be solely liable for any and all fines or penalties which may be levied by any governmental authority against the Owner and/or Contractor which are related to the Contractor's operations. The Owner shall deduct the amount of the levied fine or penalty from the Contract amount.

Agreement Date/Counterparts: The date of this Agreement is intended as and for a date for the convenient identification of this Agreement and is not intended to indicate that this Agreement was necessarily executed and delivered on said date. This instrument may be executed in any number of counterparts, each of which so executed shall be deemed an original, but all such counterparts shall together constitute but one and the same instrument.

Use of Words and Phrases: The following words and phrases, where used in this document, shall be given the following and respective interpretations: "Herein," "hereby," "hereunder," "hereof," and other equivalent words refer to this document as an entirety and not solely to the particular portion hereof in which any such word is used.

The definitions set forth in any portion of this Agreement unless the text or context indicates differently shall be deemed applicable whether the words defined are herein used in the singular or the plural. Wherever used herein any pronoun or pronouns shall be deemed to include both singular and plural and to cover all genders.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and date first set forth above.

CITY OF TUSCALOOSA,
a municipal corporation

By: 

Walt Maddox, Mayor

ATTEST:

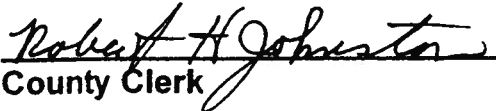

Stan McCracken, City Clerk

TUSCALOOSA COUNTY

By: 

W. Hardy McCollum, Probate Judge and
County Commission Chairman

ATTEST:

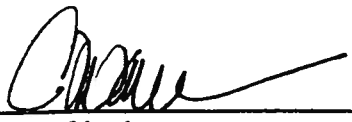

County Clerk

CITY OF NORTHPORT

By: 

Harvey Fretwell, Mayor

ATTEST:


City Clerk

SYNOPSIS
TUSCALOOSA CITY COUNCIL MEETING
MARCH 9, 2005

CONVENED: 6:00 p.m.

MEMBERS PRESENT

Mayor Maddox

President Pro Tem Taylor

Councilmembers Howard, Almond, Garrison, Tyner, Lundell, and Tinker

BUSINESS CONDUCTED: All votes are unanimous unless otherwise indicated.

Approved minutes of previous meeting (T/H)

Authorized execution of an amendment to the contract with KPS Group, Inc., regarding specific land use and development plans for Alberta and West End areas: increase of \$10,000.00 (

Approved items a through c on the consent agenda. (T/H)

- a. Authorized re-bid of three underhood air compressors.
- b. Authorized payment of travel expenses: \$2,000.00.
- c. Authorized an adjustment and refund of deposit to WAUGH Properties, LLC, for installation of water mains and services at Riverchase, Phase #11, Section #3: \$8,240.06.

Adopted Amendment No. 1046 to the text of the Zoning Ordinance pertaining to "Sections 24-122(a), Off-street parking requirement, Minimum Requirement" (introduced 02-02-06) (G/H). Planning Director Bill Snowden presented a report to the Council. No one else spoke in favor of or in opposition to the amendment.

President Pro Tem Taylor left the meeting and did not return.

Approved ABC license application 06-005a for Long Ziang, Inc., to hold an on premises retail beer license at Buffet City, 1747 Skyland Boulevard E. (G/Ty). Vincent Brown of the Revenue Department and Police Captain Rodney Gilliam each presented departmental reports. The applicant responded to questions from the Council.

Authorized reimbursement of ad valorem property taxes to Virgil Truman Smith under terms of the lease agreement for the Alberta police substation: \$1,545.00. (Ty/L)

Tentatively awarded a contract to DRM Utilities, LLC, for the Alberta Park public improvement project: \$275,000.00. (H/Ty)

Adopted a resolution encumbering proceeds from the Alabama Trust Fund for fiscal years 2006-2009 as the City's share of its contribution to the Tuscaloosa Housing Authority HOPE VI McKenzie Court Project. (H/L)

Authorized execution of a joint funding agreement with Tuscaloosa County and the City of Northport for a public education campaign regarding storm water management: (\$8,308.35 City's share). (G/H)

The resolution authorizing the execution of an agreement with Caldwell Mason Marketing & Design for a public education campaign on storm water management was withdrawn from the agenda and not considered.

Authorized execution of a consulting agreement with James Duncan and Associates, Inc., to revise and update the City's sign ordinance: \$4,800.00 maximum. (G/L)

Adopted resolution expressing intent of the Council regarding use of eminent domain powers as it relates to the Downtown Urban Renewal and Redevelopment Plan. (G/L). Andy Graham, owner of Central Supply Company addressed the Council with concerns about procedures for acquisition of property in the DURRP area. City Attorney Bob Ennis responded to procedural questions raised by Mr. Graham.

Adopted an ordinance amending various provisions of Chapter 2 of the *Code of Tuscaloosa* pertaining to budgetary and financial procedure concerning matching funds. (introduction L/H; unanimous H/G)

Introduced ordinance amending the text of the zoning ordinance pertaining to Section 24-220(e) (building height limitations in certain districts) and Section 24-220(j)h (certification standards to permit up to 5 unrelated persons to live in a single dwelling unit in certain districts)-Zoning Amendment No. 1049. (Ty/L)

Fixed April 13, 2006, as the date for a public hearing to consider adoption of Zoning Amendment 1049. (L/H)

Authorized payment of bills: TOTAL \$65.72. (H/G)

OTHER MATTERS BROUGHT BEFORE THE COUNCIL

Mayor Maddox presented the following proclamations:

- Proclamation: March 19, 2006, "Emily Baker Day"
- Proclamation: March 12 - 18, 2006, "Brain Awareness Week"

Lou Wiggins spoke in favor of the Downtown Urban Renewal and Redevelopment Plan.

Ethel Whitt of 3305 Moody Street addressed the Council concerning litter and drainage problems in her neighborhood.

POLICY IMPLEMENTATION BY MAYOR: "Subject to the exercise of mayoral veto on ordinances of a general nature or permanent operation, all applicable departments are hereby ordered to otherwise implement council policy this date enacted."

ADJOURNED: 6:54 p.m. (G/Ty)

Stan E. McCracken
City Clerk

Following each item of business are the initials of the councilmember who introduced the item and the councilmember who seconded the matter: H-Howard, T-Taylor, A-Almond, G-Garrison, Ty-Tyner, L-Lundell, Ti-Tinker.

CALDWELL MASON

marketing & design

Caldwell Mason
2702 Saratoga Lane
Tuscaloosa, AL 35406
Phone: 205-523-0133
Toll-Free: 1-866-215-1626

INVOICE**Invoice #STORMWATER06****CUSTOMER:**

City of Tuscaloosa Department of Transportation
P.O. Box 2089
Tuscaloosa, AL 35401-2089

DATE: 07/21/06**ATTENTION:**

Mr. Chad Christian

DESCRIPTION**FEES****PRINTING and DESIGN**

Project Name: Brochures

Design: Full color using provided copy and stock/local images and logos

Quantity: 79,000 Pieces

Product: 8.5 x 11 Brochures

Paper: 100# Gloss Text

Ink: 4-Color/4-Color

Folding: Tri Fold

ADDRESS DATABASE and MAILING

Address Database: 77,917 addresses for all carrier routes in Tuscaloosa County

Price includes postage for each piece, service charge for labeling, etc, and a 1.5 cent charge per piece for use of the database.

Total printing, design and mailing:
DUE UPON RECEIPT

~~\$25,350.00~~**\$ 8,830.35**

UP 8/15/06

***NOTE: Please make checks payable to Caldwell Mason Marketing and Design**

Please remit payment to:
Caldwell Mason Marketing &
Design
P.O. Box 2536
Tuscaloosa, AL 35403
Contact: Jon Mason

Thank you for your business!

AUG 15 2006

To be completed by the Manager in charge of the named project.

Project Name	PHASE II PUBLIC EDUCATION MAILOUT	
Company/Engineer Name	Caldwell Mason	
Pay Request #	1	
Total Project Cost		25,330.35
Amount of Previous Payments		0.00
Amount of This Payment		8,830.35
Remaining Amount Left in Contract		16,500.00

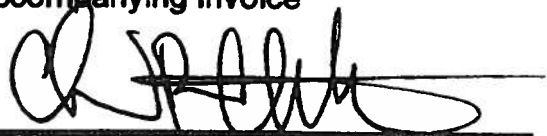
Project Description: Stormwater Phase II Public Education Brochure and Mailout

Legal Department File Number: A06-0163

Inv: 1-A06-0163

Special Project Account Number: 0101-7007-3100

I have checked the above amounts and to the best of my knowledge the amounts are correct. I recommend the City pay the amount on the accompanying invoice



Manager's Signature

08/15/2006

Date



Department Head's Signature

08/15/2006

Date

CF-150

P.O.# - 60875

[illegible]

CALDWELL MASON

marketing & design

Caldwell Mason
2702 Saratoga Lane
Tuscaloosa, AL 35406
Phone: 205-523-0133
Toll-Free: 1-888-215-1826

CUSTOMER:

City of Tuscaloosa Department of Transportation
P.O. Box 2089
Tuscaloosa, AL 35401-2089

DATE: 11/29/08**ATTENTION:**

Mr. Chad Christian

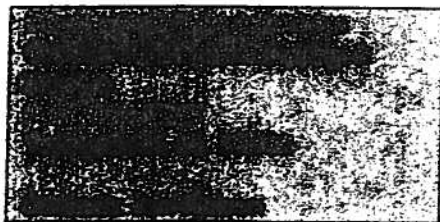
DESCRIPTION**FEES****ADDRESS DATABASE and MAILING**

DEC 05 2008

Address Database: 77,917 addresses for all carrier routes in Tuscaloosa County
Price includes postage for each piece, service charge for labeling, etc, and a 1.5 cent charge per piece for use of the database.

Total mailing fees: \$16,500.00
DUE UPON RECEIPT

***NOTE: Please make checks payable to Caldwell Mason Marketing and Design**



Thank you for your business!

DEC 04 2006

To be completed by the Manager in charge of the named project.

DEC 05 2006

Project Name	PHASE II PUBLIC EDUCATION MAILOUT		
Company/Engineer Name	Caldwell Mason		
Pay Request #	2 FINAL		
Total Project Cost		25,330.35	
Amount of Previous Payments		8,830.35	
Amount of This Payment		16,500.00	
Remaining Amount Left in Contract		0.00	

Project Description: Stormwater Phase II Public Education Brochure and Mailout

Z-A06-0163 F

Legal Department File Number: A06-0163

PO# 60875

Special Project Account Number: 0101-7007-3100

I have checked the above amounts and to the best of my knowledge the amounts are correct. I recommend the City pay the amount on the accompanying invoice



Manager's Signature

12/04/2006

Date



Department Head's Signature

12/04/06

Date

34
12/5/06

City of Tuscaloosa
Clearing Account
P.O. Box 2089
Tuscaloosa, AL 35403
(205) 349-2010

Vendor
Number
203184

Check
Date
12/08/2006

Check
Number
0167608

16,500.00

Pay Sixteen Thousand Five Hundred DOLLARS and 00 cents *****

To The CALDWELL MASON
Order Of C/O SOUTHERN DIGITAL DESIGN
P. O. BOX 2536
TUSCALOOSA, AL 35403-0000

**FILE COPY
NON NEGOTIABLE**

City of Tuscaloosa, Clearing Account

2-A06-0163F	10107007 3100	60875	16,500.00		16,500.00
203184	CALDWELL MASON		0167608	12/08/2006	16,500.00

Thank you for ordering from PrintingForLess.com!

Your Order Number 180907081 has been completed.

This is the final invoice for your order, and includes any in-process changes that may have been made through 12/05/2006 6:55:41 AM. Please save this email, as it is the only invoice you will receive.

Order Number: 180907081
Project Name: Brochures
Quote Number: 125076
Quote Price: 6,573.05
Quote Quantity: 79000
Description: 79000 8.5 x 11 brochures, 4-Color/4-Color,
No Inside Ink, No Coating, 100# Gloss Text, No Inside Paper, Tri Fold,
No Pages

ORDERED BY:
Jon Mason
Caldwell Mason Marketing

BILLED TO:
2702 Saratoga Lane
Tuscaloosa AL 35406 USA

SUMMARY OF CHARGES

10/12/2006	Original Printing Subtotal	\$6,919.00	Qty: 79000
10/17/2006	Printing Fee Decrease	-\$345.95	High Volume Discount
10/18/2006	High Volume Discount	-\$424.95	High Volume Discount
10/18/2006	Printing Fee Increase	\$790.00	Adding charge for folding that wasn't in the quote

TOTAL PRICE	\$6,938.10
-------------	------------

SUMMARY OF DISCOUNTS AND PAYMENTS

10/18/2006	Coupon Discount	-\$365.05	covering additional cost for folding due to misquote and funding process.
11/02/2006	Payment	-\$6,573.05	Via check #5140
	Check# 5140		

TOTAL DISCOUNTS AND PAYMENTS	-\$6,938.10
------------------------------	-------------

BALANCE

\$0.00

SHIPPING INFORMATION:

Shipment 1
David Crawford
Maxx Mailing
1010 26th Ave.
Suite A
North Port AL 35476 USA
205-345-6833
Shipped Via: ABF Trucking
Date Shipped: 12/04/2006
Quantity: 79000

000.....

0• *

0• *

10,238• +

41,922• +

8,869• +

7,161• +

773• +

8,764• +

006.....

27,727• *


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Restricted Information

Transactions > Postage Statement Processing

Today's Date: 02/09/2007

Standard Mail - Permit Imprint ▶ Receipt

3602	POSTAL SERVICE STATEMENT OF MAILING/3607 WEIGHING AND DISPATCH CERTIFICATE		TRANS # 200704007493136M1
Postage Statement: 36125560	Mailer's Job#:		
MMS PO BOX 1457 TUSCALOOSA AL 35403-1457			FINANCE NUMBER: 018250
STATION OR UNIT:	TUSCALOOSA (0733A)		PERMIT NO: 200
DATE OF MAILING 02/08/2007	CLASS Standard Mail	PROC CAT Letter	TYPE PI
WEIGHT OF SINGLE PIECE (LBS) 0.0197	TOTAL PIECES 10238	TOTAL POUNDS 202.2008	Customer Reference ID
MAILED FOR:	CAPS Acct No: _____		
PERMIT NO. 83943 NAME: STORMWATER COMMITTEE			
CONTAINERS 21	AMOUNT FROM TRUST: \$1,453.80		
VERIFICATION SUMMARY: No verification errors.			
SIGNATURE OF WEIGHER	GEH DATA PROCESSED BY	RECEIVED FOR PROCESSING BY	
COMMENTS:		BEGINNING BALANCE: \$1,565.26 ENDING BALANCE: \$111.46	

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[Terms of Use](#)

1000 28th Ave
 35401

Chad Christian
 T-D
 348-0240

Postage Statement - Standard Mail

Post Office: Note Mail Arrival Date & Time

Mailing	Permit Holder's Name and Address and Email Address, if Any Maxx Mailings		Telephone 345-6833	Name and Address of Mailing Agent (if other than permit holder)	Telephone	Name and Address of Individual or Organization for Which Mailing is Prepared (if other than permit holder) Stormwater Comm. Hoo P.O. Box 567 Northport, AL 35476
	EAS Code Ref No. Dom & Broadcast No.					Dom & Broadcast No.
Mailing	Post Office of Mailing Tuscaloosa	Processing Category <input type="checkbox"/> Letters <input type="checkbox"/> CSMA <input checked="" type="checkbox"/> Flats <input type="checkbox"/> Automation Flats (DMM 700.3) <input type="checkbox"/> Parcels	Mailing Date 2-8-07	Federal Agency Code	Statement Seq. No.	No. and type of containers 8-11 manila 13-21 manila 21-776 (4.5 lb)
	Type of Postage <input checked="" type="checkbox"/> Permit Imprint <input type="checkbox"/> Pre-cancelled Stamps <input type="checkbox"/> Metered	Permit # 200	Weight of a Single Piece 0 pounds	For Mail Enclosed within Another Class <input type="checkbox"/> Periodicals <input type="checkbox"/> Sacked, Based on <input type="checkbox"/> Bound Printed Matter <input type="checkbox"/> Library Mail <input type="checkbox"/> Media Mail <input type="checkbox"/> Parcel Post <input type="checkbox"/> 125 pcs <input type="checkbox"/> 15 lbs. <input type="checkbox"/> both	Total Pieces 10,238	Total Weight
For Automation Rate Pieces, Enter Date of Address Matching and Coding (DMM 700.3)		For Enhanced Carrier Route Rate Pieces, Enter Date of Address Matching and Coding (DMM 700.3)		For Enhanced Carrier Route Rate Pieces, Enter Date of Carrier Route Sequencing (DMM 700.3)		
Parts Completed (Select all that apply) <input type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> I <input type="checkbox"/> J <input type="checkbox"/> K <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> S						
Total Postage (Add parts totals)				1453.796		
Rate at Which Postage Affixed (Check one) (DMM 244, 344, 444) <input checked="" type="checkbox"/> Current <input type="checkbox"/> Lowest <input type="checkbox"/> Neither				Postage Affixed 1453.80		
Net Postage Due (Subtract postage affixed from total postage)						
For USPS Use Only: Additional Postage Payment (State reason)						
For postage affixed add additional payments to net postage due; for permit imprint add additional payment to total postage.				Total Adjusted Postage Affixed		
Postmaster: Report Total Postage In AIC 130				Total Adjusted Postage Permit Imprint		
The mailer's signature certifies acceptance of liability for and agreement to pay any revenue deficiencies assessed on this mailing, subject to appeal. If an agent signs this form, the agent certifies that he or she is authorized to sign on behalf of the mailer, and that the mailer is bound by the certification and agrees to pay any deficiencies. In addition, agents may be liable for any deficiencies resulting from matters within their responsibility, knowledge, or control. The mailer hereby certifies that all information furnished on this form is accurate, truthful, and complete; that the mail and the supporting documentation comply with all postal standards; and that the mailing qualifies for the rates and fees claimed; and that the mailing does not contain any matter prohibited by law or postal regulation. I understand that anyone who furnishes false or misleading information on this form or who omits information requested on this form may be subject to criminal and/or civil penalties, including fines and imprisonment.						
Privacy Notice: For information regarding our Privacy Policy visit www.usps.com						
Signature of Mailer or Agent Michael Blair		Printed Name of Mailer or Agent Signing Form Michael Blair			Telephone 345-6833	
Weight of a Single Piece 0 pounds		Are postage figures at left adjusted from mailer's entries? If Yes, state reason: <input type="checkbox"/> Yes <input type="checkbox"/> No				
Total Pieces	Total Weight					
Total Postage						
Check One <input type="checkbox"/> Presort Verification Not Scheduled <input type="checkbox"/> Presort Verification Performed as Scheduled						
I CERTIFY that this mailing has been inspected concerning: (1) eligibility for postage rates claimed; (2) proper preparation (and presort where required); (3) proper completion of postage statement; and (4) payment of annual fee (if required).		Date Mailed	By (Initials)			
Verifying Employee's Signature		Printed Name of Verifying Employee	Time	AM PM		

Standard Mail — Letters and Flats

Part C

ECR Rates — Letters and Flats - 3.3 oz. (0.2063 lb.) or Less

Check box at left if rates are populated in this section

Entry	Rate Category	Rate		Number of Pieces		Total
NONE	C1 Saturation Letter	.160	X		=	\$
	C2 High Density Letter	.173	X		=	\$
	C3 Basic Letter	.204	X		=	\$
	C4 Basic Auto Letter	.180	X		=	\$
	C5 Saturation Flat	.169	X		=	\$
	C6 High Density Flat	.178	X		=	\$
	C7 Basic Flat	.204	X		=	\$
DBMC	C8 Saturation Letter	.138	X		=	\$
	C9 High Density Letter	.151	X		=	\$
	C10 Basic Letter	.182	X		=	\$
	C11 Basic Auto Letter	.158	X		=	\$
	C12 Saturation Flat	.147	X		=	\$
	C13 High Density Flat	.156	X		=	\$
	C14 Basic Flat	.182	X		=	\$
DSCF	C15 Saturation Letter	.133	X		=	\$
	C16 High Density Letter	.146	X		=	\$
	C17 Basic Letter	.177	X		=	\$
	C18 Basic Auto Letter	.153	X		=	\$
	C19 Saturation Flat	.142	X		=	\$
	C20 High Density Flat	.151	X	10,238	=	\$
	C21 Basic Flat	.177	X		=	\$
DDU	C22 Saturation Letter	.127	X		=	\$
	C23 High Density Letter	.140	X		=	\$
	C24 Basic Letter	.171	X		=	\$
	C25 Basic Auto Letter	.147	X		=	\$
	C26 Saturation Flat	.136	X		=	\$
	C27 High Density Flat	.145	X		=	\$
	C28 Basic Flat	.171	X		=	\$

Part C Total

\$1453.796

Part D

Letters and Flats More Than 3.3 oz. (0.2063 lb) Not Subject to Surcharge

Check box at left if rates are populated in this section

Entry	Rate Category	Piece Rate	Or Amt. Affixed	x	No. of Pieces	=	Pieces Subtotal	+ Lb. Rate	x	Pounds	=	Pound Subtotal	=	TOTAL
NONE	D1 Saturation ECR	.036		X		=		.643	X		=	\$		
	D2 High Density ECR	.045		X		=		.643	X		=	\$		
	D3 Basic ECR	.071		X		=		.643	X		=	\$		
	D4 3/5 Automation	.121		X		=		.746	X		=	\$		
	D5 Basic Automation	.162		X		=		.746	X		=	\$		
	D6 3/5 Presort	.150		X		=		.746	X		=	\$		
	D7 Basic Presort	.209		X		=		.746	X		=	\$		
DBMC	D8 Saturation ECR	.036		X		=		.538	X		=	\$		
	D9 High Density ECR	.045		X		=		.538	X		=	\$		
	D10 Basic ECR	.071		X		=		.538	X		=	\$		
	D11 3/5 Automation	.121		X		=		.641	X		=	\$		
	D12 Basic Automation	.162		X		=		.641	X		=	\$		
	D13 3/5 Presort	.150		X		=		.641	X		=	\$		
	D14 Basic Presort	.209		X		=		.641	X		=	\$		
DSCF	D15 Saturation ECR	.036		X		=		.511	X		=	\$		
	D16 High Density ECR	.045		X		=		.511	X		=	\$		
	D17 Basic ECR	.071		X		=		.511	X		=	\$		
	D18 3/5 Automation	.121		X		=		.614	X		=	\$		
	D19 Basic Automation	.162		X		=		.614	X		=	\$		
	D20 3/5 Presort	.150		X		=		.614	X		=	\$		
	D21 Basic Presort	.209		X		=		.614	X		=	\$		
DDU	D22 Saturation ECR	.036		X		=		.477	X		=	\$		
	D23 High Density ECR	.045		X		=		.477	X		=	\$		
	D24 Basic ECR	.071		X		=		.477	X		=	\$		

For affixed postage mailings as described in DMM 243, 343 and 443, compute and enter the rate for each piece in the amount affixed column, multiply by number of pieces and complete the total column.

Part D Total

35404 TUSCALOOSA	C001✓	6-Dec	342
35404 TUSCALOOSA	C010✓	6-Dec	692
35404 TUSCALOOSA	C018✓	6-Dec	948
35404 TUSCALOOSA	C019✓	6-Dec	877
35404 TUSCALOOSA	C020✓	6-Dec	530
35404 TUSCALOOSA	C022✓	6-Dec	508
35404 TUSCALOOSA	C028✓	6-Dec	753
35404 TUSCALOOSA	C031✓	6-Dec	713
35404 TUSCALOOSA	C035✓	6-Dec	871
35404 TUSCALOOSA	C041✓	6-Dec	130
35404 TUSCALOOSA	C054✓	6-Dec	677
35405 TUSCALOOSA	C017✓	6-Dec	551
35405 TUSCALOOSA	C024✓	6-Dec	754
35405 TUSCALOOSA	C025✓	6-Dec	1014
35405 TUSCALOOSA	C026✓	6-Dec	615
35405 TUSCALOOSA	C030✓	6-Dec	803
35405 TUSCALOOSA	C033✓	6-Dec	606
35405 TUSCALOOSA	C037✓	6-Dec	668
35405 TUSCALOOSA	C042✓	6-Dec	555
35405 TUSCALOOSA	C043✓	6-Dec	420
35405 TUSCALOOSA	C047✓	6-Dec	1596
35405 TUSCALOOSA	C048✓	6-Dec	624
35405 TUSCALOOSA	C055✓	6-Dec	417
35405 TUSCALOOSA	C057✓	6-Dec	246
35406 TUSCALOOSA	C040✓	6-Dec	331
35406 TUSCALOOSA	C044✓	6-Dec	343
35406 TUSCALOOSA	C045✓	6-Dec	406
35406 TUSCALOOSA	C046✓	6-Dec	748
35406 TUSCALOOSA	C051✓	6-Dec	357
35406 TUSCALOOSA	C053✓	6-Dec	364
35406 TUSCALOOSA	C056✓	6-Dec	235
35406 TUSCALOOSA	C057✓	6-Dec	228
35406 TUSCALOOSA	C058✓	6-Dec	120
35473 NORTHPORT	C007✓	6-Dec	694
35473 NORTHPORT	C010✓	6-Dec	509
35473 NORTHPORT	C012✓	6-Dec	654
35476 NORTHPORT	C001✓	6-Dec	690
35476 NORTHPORT	C002✓	6-Dec	687
35476 NORTHPORT	C005✓	6-Dec	560
35476 NORTHPORT	C008✓	6-Dec	587
35476 NORTHPORT	C009✓	6-Dec	210
35476 NORTHPORT	C011✓	6-Dec	661

8869
MAILED
1-12-07

~~3132~~ 3132

1857

73- C003
73- C004
73- C006

24416

5249

TOTAL 10,238

35406 = 3132

35473 = 1857

35473 NORTHPORT
35473 NORTHPORT
35473 NORTHPORT

C003
C004
C006

556
550
746
1852


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Restricted Information

Transactions > Postage Statement Processing

Today's Date: 12/26/2006

Standard Mail - Permit Imprint ▶ Receipt

3602	POSTAL SERVICE STATEMENT OF MAILING/3607 WEIGHING AND DISPATCH CERTIFICATE		TRANS # 200636010105270M1
Postage Statement: 34363036	Mailer's Job#:		
MMS PO BOX 1457 TUSCALOOSA AL 35403-1457			FINANCE NUMBER: 018250
STATION OR UNIT:	TUSCALOOSA (0733A)		PERMIT NO: 200
DATE OF MAILING 12/20/2006	CLASS Standard Mail	PROC CAT Letter	TYPE PI
WEIGHT OF SINGLE PIECE (LBS) 0.0198	TOTAL PIECES 41922	TOTAL POUNDS 829.9000	Customer Reference ID _____ CAPS Acct No: _____
MAILED FOR: PERMIT NO. 83943 NAME: STORMWATER COMMITTEE			
CONTAINERS 88	AMOUNT FROM TRUST: \$5,570.99		
VERIFICATION SUMMARY: No verification errors			
SIGNATURE OF WEIGHER	GEH DATA PROCESSED BY	RECEIVED FOR PROCESSING BY	
COMMENTS:		BEGINNING BALANCE: \$6,152.91 ENDING BALANCE: \$581.92	

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Postal Service Statement - Standard Mail

Post Office: Date Mail Arrival Date & Time

Permit Holder's Name and Address and Email Address (if any)		Telephone	Name and Address of Mailing Agent (if not done by self holder)	Telephone	Name and Address of Individual or Organization for Which Mailing is Prepared (if other than permit holder)
<i>Mary Mailing</i>					<i>Stormwater Comm. Inc.</i> <i>PO Box 569</i> <i>Adrian, MI 48106</i>
Date of Mailing	Date & Description of Mailing	Mailing Date	Federal Agency Use Only	Statement Type	Size and type of mail pieces
<i>1/27/06</i>	<i>12-20-06</i>	<i>12-20-06</i>		<i>47722</i>	<i>87 - small</i> <i>1 - medium</i>
Total Weight	Total Postage	Total Weight	Total Postage	Total Weight	Total Postage
<i>200</i>	<i>5371.00</i>	<i>5371.00</i>	<i>5371.00</i>	<i>5371.00</i>	<i>5371.00</i>

Total Postage (Add parts totals) *\$5371.00*
 Postage Affixed *\$5571.00*
 Net Postage Due (Subtract postage affixed from total postage)

The mailer's signature certifies acceptance of liability for and agreement to pay any revenue deficiencies assessed on this mailing, subject to appeal. If an agent signs this form, the agent certifies that he or she is authorized to sign on behalf of the mailer, and that the mailer is bound by the certification and agrees to pay any deficiencies. In addition, agents may be liable for any deficiencies resulting from matters within their responsibility, knowledge, or control. The mailer hereby certifies that all information furnished on this form is accurate, truthful, and complete; that the mail and the supporting documentation comply with all postal standards and that the mailing qualifies for the rates and fees claimed; and that the mailing does not contain any matter prohibited by law or postal regulation. I understand that anyone who furnishes false or misleading information on this form or who omits information requested on this form may be subject to criminal and/or civil penalties, including fines and imprisonment.

Privacy Notice: For information regarding our Privacy Policy visit www.usps.com
 Signature of Mailer or Agent: *London Watkins*
 Printed Name of Mailer or Agent: *MAXX MAILING*
 Telephone: *345-6833*


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Restricted Information

[Reports](#) > [Transaction History Reports](#) > [Financial Transaction History](#) >

[Mailings Summary](#) > Receipt **2**

Today's Date: 01/17/2007

3602	POSTAL SERVICE STATEMENT OF MAILING/3607 WEIGHING AND DISPATCH CERTIFICATE		TRANS # 200701707384301M1
Postage Statement: 35139777	Mailer's Job#:		
MMS PO BOX 1457 TUSCALOOSA AL 35403-1457			FINANCE NUMBER: 018250
STATION OR UNIT:	TUSCALOOSA (0733A)		PERMIT NO: 200
DATE OF MAILING 01/12/2007	CLASS Standard Mail	PROC CAT Letter	TYPE PI
WEIGHT OF SINGLE PIECE (LBS) 0.0198	TOTAL PIECES 8869	TOTAL POUNDS 175.1000	Customer Reference ID CAPS Acct No: _____
MAILED FOR: PERMIT NO. 83943 NAME: STORMWATER COMMITTEE			
CONTAINERS 14	AMOUNT FROM TRUST: \$1,259.40		
VERIFICATION SUMMARY: No verification errors.			
SIGNATURE OF WEIGHER	GEH DATA PROCESSED BY	RECEIVED FOR PROCESSING BY	
COMMENTS:		BEGINNING BALANCE: \$4,358.54 ENDING BALANCE: \$3,099.14	

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USPS Use Only

1874

Northport, At. 354
Dunn & Bradstreet, Inc.

Telephone

Chun & Bradstreet No.

Federal Agency Code: _____

0 pounds

Unsubstantiated

11 Sarked, Raced in

For Enhanced Carrier Route Data Pieces, Enter Date of
Address Matching and Coding (DMM 708.2.3)

For Enhanced Carrier Route Rate Pieces, Enter Date of
Carrier Route Sequencing (BMM 245/345/445 6, 10, 1)

עצם (Completed) (Color) את כל המידע

☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ H ☐ I ☐ J ☐ K ☐ L ☐ M ☐ N

Total Postage *1944 postage stamps*

Rate at Which Postage Affixed (Check one) (PAID 1 244, 344, 444)

[illegible]

Postage Affixed

Net Postage Due (Subtract postage affixed from total postage)

Encl. 4589

The mailer's signature certifies acceptance of liability for and agreement to pay any revenue deficiencies assessed on this mailing, subject to appeal. If an agent signs this form, the agent certifies that he or she is authorized to sign on behalf of the mailer, and that the mailer is bound by the certification and agrees to pay any deficiencies. In addition, agents may be liable for any deficiencies resulting from matters within their responsibility, knowledge, or control. The mailer hereby certifies that all information furnished on this form is accurate, truthful, and complete; that the mail and the supporting documentation comply with all postal standards and that the mailing qualifies for the rates and fees claimed; and that the mailing does not contain any matter prohibited by law or postal regulation. I understand that anyone who furnishes false or misleading information on this form or who omits information requested on this form may be subject to criminal and/or civil penalties, including fines and imprisonment.

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Signature of Mailer or Agent

Printed Name of Mailer or Agent Signing Form

Telephone

345-68 32

Post Stamp (Required)


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 Transactions > Postage Statement Processing **2**
 Standard Mail - Permit Imprint ▶ Receipt

Today's Date: 01/23/2007

3602	POSTAL SERVICE STATEMENT OF MAILING/3607 WEIGHING AND DISPATCH CERTIFICATE		TRANS # 200702307463349M1
Postage Statement: 35371629	Mailer's Job#:		
MMS PO BOX 1457 TUSCALOOSA AL 35403-1457			FINANCE NUMBER: 018250
STATION OR UNIT:	TUSCALOOSA (0733A)		PERMIT NO: 200
DATE OF MAILING 01/22/2007	CLASS Standard Mail	PROC CAT Letter	TYPE PI
WEIGHT OF SINGLE PIECE (LBS) 0.0199	TOTAL PIECES 7161	TOTAL POUNDS 143.3000	Customer Reference ID CAPS Acct No: _____
MAILED FOR: PERMIT NO. 83943 NAME: STORMWATER COMMITTEE			
CONTAINERS 11	AMOUNT FROM TRUST: \$1,016.86		
VERIFICATION SUMMARY: No verification errors.			
SIGNATURE OF WEIGHER	GEH DATA PROCESSED BY	RECEIVED FOR PROCESSING BY	
COMMENTS:		BEGINNING BALANCE: \$1,601.90 ENDING BALANCE: \$585.04	

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498

Postal Service

Statement - Standard Mail

Post Office Note Mail Arrival Date & Time

Permit Holder's Name and Address and
Email Address, if Any

305-6833

Name and Address
of Mailing Agent
(If other than permit holder)

Telephone

Name and Address of Individual or
Organization for Which Mailing is Prepared
(If other than permit holder)

Stormwater Committee
P.O. Box 569
Northport, AL 35426

MAXX Mailing Service

CAPS Cust. Ref. No.

Dun & Bradstreet No.

Dun & Bradstreet No.

Dun & Bradstreet No.

Post Office
of Mailing **TUCSON, AZ**

Processing Category

☐ Letters ☐ CMM

Mailing Date
1-22-07

Federal Agency Cost Code

Statement Seq. No.

No. and type of Containers

Type of
Postage ☒ Permit Imprint
☐ Precanceled Stamps
☐ Metered

☒ Flat
☐ Automation Flat (DMM 301.3)
☐ Parcel

Weight of a Single Piece
0 pounds

Total Pieces

7161

3-1' meter
9-2' meter
11-1' meter

Permit #
200

For Mail Enclosed within Another Class

☐ Periodicals

If Sacked, Based on

Total Weight

Detached Address Labels?

☐ Bound Printed Matter

☐ Library Mail

☐ Media Mail

☐ Parcel Post

☐ 125 pcs ☐ 15 lbs. ☐ both

☐ Yes ☐ No

For Automation Rate Pieces, Enter Date of Address
Matching and Coding (DMM 708.3.3)

For Enhanced Carrier Route Rate Pieces, Enter Date of
Address Matching and Coding (DMM 708.3.3)

For Enhanced Carrier Route Rate Pieces, Enter Date of
Carrier Route Sequencing (DMM 245/345/445.6.10.1)

Parts Completed (Select all that apply)

☐ A ☐ B ☒ C ☐ D ☐ E ☐ F ☐ G ☐ H ☐ I ☐ J ☐ K ☐ L ☐ M ☐ N

Total Postage (Add parts totals)

1016.87

Rate at Which Postage Affixed (Check one) (DMM 244, 344, 444)

☐ Correct ☐ Lowest ☐ Neither

pcs. x \$

Postage Affixed

Net Postage Due (Subtract postage affixed from total postage)

1016.87

The mailer's signature certifies acceptance of liability for and agreement to pay any revenue deficiencies assessed on this mailing, subject to appeal. If an agent signs this form, the agent certifies that he or she is authorized to sign on behalf of the mailer, and that the mailer is bound by the certification and agrees to pay any deficiencies. In addition, agents may be liable for any deficiencies resulting from matters within their responsibility, knowledge, or control. The mailer hereby certifies that all information furnished on this form is accurate, truthful, and complete; that the mail and the supporting documentation comply with all postal standards and that the mailing qualifies for the rates and fees claimed; and that the mailing does not contain any matter prohibited by law or postal regulation. I understand that anyone who furnishes false or misleading information on this form or who omits information requested on this form may be subject to criminal and/or civil penalties, including fines and imprisonment.

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Signature of Mailer or Agent

Richard Blane

Printed Name of Mailer or Agent Signing Form

Richard Blane

Telephone

205-545-6833

First Class Mail — Letters and Flats

Part C

ECR Rates — Letters and Flats - 3.3 oz. (0.2063 lb.) or Less

Check box at left if rates are populated in this section.

Entry	Rate Category	Rate		Number of Pieces		Total
C1	Saturation Letter	.160	X			
C2	High Density Letter	.173	X			
C3	Basic Letter	.204	X			
C4	Basic Auto Letter	.180	X			
C5	Saturation Flat	.169	X			
C6	High Density Flat	.178	X			
C7	Basic Flat	.204	X			
C8	Saturation Letter	.138	X			
C9	High Density Letter	.151	X			
C10	Basic Letter	.182	X			
C11	Basic Auto Letter	.158	X			
C12	Saturation Flat	.147	X			
C13	High Density Flat	.156	X			
C14	Basic Flat	.182	X			
C15	Saturation Letter	.133	X			
C16	High Density Letter	.146	X			
C17	Basic Letter	.177	X			
C18	Basic Auto Letter	.153	X			
C19	Saturation Flat	.142	X			
C20	High Density Flat	.151	X	7161		1016.87
C21	Basic Flat	.177	X			
C22	Saturation Letter	.127	X			
C23	High Density Letter	.140	X			
C24	Basic Letter	.171	X			
C25	Basic Auto Letter	.147	X			
C26	Saturation Flat	.136	X			
C27	High Density Flat	.145	X			
C28	Basic Flat	.171	X			

Part C Total

1016.87

Part D

Letters and Flats More Than 3.3 oz. (0.2063 lb) Not Subject to Surcharge

Check box at left if rates are populated in this section.

Entry	Rate Category	Piece Rate	Or Amt. Affixed	x	No. of Pieces	=	Pieces Subtotal	+ Lb. Rate	x	Pounds	=	Pound Subtotal	=	TOTAL
D1	Saturation ECR	.036		X										
D2	High Density ECR	.045		X				.643	X					
D3	Basic ECR	.071		X				.643	X					
D4	3/5 Automation	.121		X				.746	X					
D5	Basic Automation	.162		X				.746	X					
D6	3/5 Presort	.150		X				.746	X					
D7	Basic Presort	.209		X				.746	X					
D8	Saturation ECR	.036		X				.538	X					
D9	High Density ECR	.045		X				.538	X					
D10	Basic ECR	.071		X				.538	X					
D11	3/5 Automation	.121		X				.641	X					
D12	Basic Automation	.162		X				.641	X					
D13	3/5 Presort	.150		X				.641	X					
D14	Basic Presort	.209		X				.641	X					
D15	Saturation ECR	.036		X				.511	X					
D16	High Density ECR	.045		X				.511	X					
D17	Basic ECR	.071		X				.511	X					
D18	3/5 Automation	.121		X				.614	X					
D19	Basic Automation	.162		X				.614	X					
D20	3/5 Presort	.150		X				.614	X					
D21	Basic Presort	.209		X				.614	X					
D22	Saturation ECR	.036		X				.477	X					
D23	High Density ECR	.045		X				.477	X					
D24	Basic ECR	.071		X				.477	X					

For affixed postage mailings as described in DMM 243, 343 and 443, compute and enter the rate for each piece in the amount affixed column, multiply by number of pieces and complete the total column.

Part D Total

35404 TUSCALOOSA	C001✓	6-Dec	342
35404 TUSCALOOSA	C010✓	6-Dec	692
35404 TUSCALOOSA	C018✓	6-Dec	948
35404 TUSCALOOSA	C019✓	6-Dec	877
35404 TUSCALOOSA	C020✓	6-Dec	530
35404 TUSCALOOSA	C022✓	6-Dec	598
35404 TUSCALOOSA	C028✓	6-Dec	753
35404 TUSCALOOSA	C031✓	6-Dec	743
35404 TUSCALOOSA	C035✓	6-Dec	871
35404 TUSCALOOSA	C041✓	6-Dec	130
35404 TUSCALOOSA	C054✓	6-Dec	677
35405 TUSCALOOSA	C017✓	6-Dec	551
35405 TUSCALOOSA	C024✓	6-Dec	754
35405 TUSCALOOSA	C025✓	6-Dec	1014
35405 TUSCALOOSA	C026✓	6-Dec	615
35405 TUSCALOOSA	C030✓	6-Dec	803
35405 TUSCALOOSA	C033✓	6-Dec	606
35405 TUSCALOOSA	C037✓	6-Dec	668
35405 TUSCALOOSA	C042✓	6-Dec	555
35405 TUSCALOOSA	C043✓	6-Dec	420
35405 TUSCALOOSA	C047✓ 2	6-Dec	1596
35405 TUSCALOOSA	C048✓	6-Dec	624
35405 TUSCALOOSA	C055✓	6-Dec	417
35405 TUSCALOOSA	C057✓	6-Dec	246
35406 TUSCALOOSA	C040✓	6-Dec	331
35406 TUSCALOOSA	C044✓	6-Dec	343
35406 TUSCALOOSA	C045✓	6-Dec	406
35406 TUSCALOOSA	C046✓	6-Dec	748
35406 TUSCALOOSA	C051✓	6-Dec	357
35406 TUSCALOOSA	C053✓	6-Dec	364
35406 TUSCALOOSA	C056✓	6-Dec	235
35406 TUSCALOOSA	C057✓	6-Dec	228
35406 TUSCALOOSA	C058✓	6-Dec	120
35473 NORTHPORT	C007✓	6-Dec	694
35473 NORTHPORT	C010✓	6-Dec	509
35473 NORTHPORT	C012✓	6-Dec	654
35476 NORTHPORT	C001✓	6-Dec	690
35476 NORTHPORT	C002✓	6-Dec	687
35476 NORTHPORT	C005✓	6-Dec	560
35476 NORTHPORT	C008✓	6-Dec	587
35476 NORTHPORT	C009✓	6-Dec	210
35476 NORTHPORT	C011✓	6-Dec	663

7161

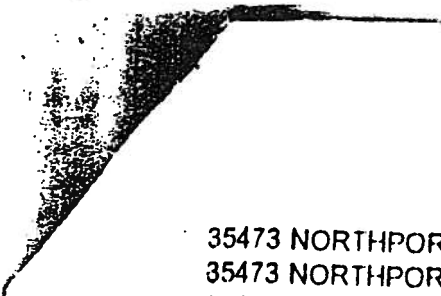
8869
MAILED
1-12-07

73- C003
73- C004
73- C005

1852

24416

26,268



35473 NORTHPORT
35473 NORTHPORT
35473 NORTHPORT

C003
C004
C006

556
550
746
1852

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Transactions > Postage Statement Processing

Today's Date: 02/16/2007

Standard Mail - Permit Imprint ▶ Receipt

3602	POSTAL SERVICE STATEMENT OF MAILING/3607 WEIGHING AND DISPATCH CERTIFICATE		TRANS # 200704707450504M1
Postage Statement: 36394750	Mailer's Job#		
MMS PO BOX 1457 TUSCALOOSA AL 35403-1457			FINANCE NUMBER: 018250
STATION OR UNIT:	TUSCALOOSA (0733A)		PERMIT NO: 200
DATE OF MAILING 02/15/2007	CLASS Standard Mail	PROC CAT Letter	TYPE PI
WEIGHT OF SINGLE PIECE (LBS) 0.0197	TOTAL PIECES 773	TOTAL POUNDS 15.3069	Customer Reference ID CAPS Acct No: _____
MAILED FOR: PERMIT NO. 83943 NAME: STORMWATER COMMITTEE			
CONTAINERS 2	AMOUNT FROM TRUST: \$98.17		
VERIFICATION SUMMARY: No verification errors.			
SIGNATURE OF WEIGHER	GEH DATA PROCESSED BY	RECEIVED FOR PROCESSING BY	
COMMENTS:		BEGINNING BALANCE: \$522.66 ENDING BALANCE: \$424.49	

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Age Statement - Standard Mail

Mailing	Permit Holder's Name and Address and Email Address, If Any Math Mailing		Telephone 345-6833		Name and Address of Mailing Agent (If other than permit holder)		Telephone		Name and Address of Individual or Organization for Which Mailing Is Prepared (If other than permit holder) Stormwater Committee	
	CAPS Cust. Ref. No. Dun & Bradstreet No.		Dun & Bradstreet No.		Dun & Bradstreet No.		Dun & Bradstreet No.		Dun & Bradstreet No.	
Postage	Post Office of Mailing Juncos		Processing Category <input checked="" type="checkbox"/> Letters <input type="checkbox"/> GMM <input type="checkbox"/> Flat <input type="checkbox"/> Automation Rate (DMM 301.1) <input type="checkbox"/> Parcels		Mailing Date 2-15-07		Federal Agency Cost Code		Statement Sent To	
	Type of Postage <input checked="" type="checkbox"/> Permit Imprint <input type="checkbox"/> Precanceled Stamps <input type="checkbox"/> Metered		Permit # 200		Weight of a Single Piece 0 pounds		Total Pieces 773		No. and type of Containers 2-1' x 1' x 1' (4 x 100)	
Certification	For Mail Enclosed within Another Class <input type="checkbox"/> Periodicals <input type="checkbox"/> If Sacked, Based on		<input type="checkbox"/> Round Printed Matter <input type="checkbox"/> Library Mail <input type="checkbox"/> Media Mail <input type="checkbox"/> Parcel Post		<input type="checkbox"/> 125 pcs <input type="checkbox"/> 15 lbs. <input type="checkbox"/> both		Total Weight		Detached Address Labels (DMM 602.4) <input type="checkbox"/> Yes <input type="checkbox"/> No	
	For Automation Rate Pieces, Enter Date of Address Matching and Coding (DMM 708.3.3)		For Enhanced Carrier Route Rate Pieces, Enter Date of Address Matching and Coding (DMM 708.3.3) 02/01/2007		For Enhanced Carrier Route Rate Pieces, Enter Date of Carrier Route Sequencing (DMM 245/345/445.6.10.1)					
Parts Completed (Select all that apply) <input type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> I <input type="checkbox"/> J <input type="checkbox"/> K <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> S										
Total Postage (Add parts totals)								98.18		
Rate at Which Postage Affixed (Check one) (DMM 244, 344, 444) <input checked="" type="checkbox"/> Exact <input type="checkbox"/> Lowest <input type="checkbox"/> Neither								Postage Affixed		
Net Postage Due (Subtract postage affixed from total postage)								98.18		
For USPS Use Only: Additional Postage Payment (State reason)										
For postage affixed add additional payments to net postage due; for permit imprint add additional payment to total postage.								Total Adjusted Postage Affixed		
Postmaster: Report Total Postage in AIC 130								Total Adjusted Postage Permit Imprint		
The mailer's signature certifies acceptance of liability for and agreement to pay any revenue deficiencies assessed on this mailing, subject to appeal. If an agent signs this form, the agent certifies that he or she is authorized to sign on behalf of the mailer, and that the mailer is bound by the certification and agrees to pay any deficiencies. In addition, agents may be liable for any deficiencies resulting from matters within their responsibility, knowledge, or control. The mailer hereby certifies that all information furnished on this form is accurate, truthful, and complete; that the mail and the supporting documentation comply with all postal standards and that the mailing qualifies for the rates and fees claimed; and that the mailing does not contain any matter prohibited by law or postal regulation. I understand that anyone who furnishes false or misleading information on this form or who omits information requested on this form may be subject to criminal and/or civil penalties, including fines and imprisonment.										
Privacy Notice: For information regarding our Privacy Policy visit www.usps.com										
Signature of Mailer or Agent Linda Watkins		Printed Name of Mailer or Agent Signing Form MAXX MAILING				Telephone 345-6833				
Weight of a Single Piece 0 pounds		Are postage figures at left adjusted from mailer's entries? If "Yes" state reason. <input type="checkbox"/> Yes <input type="checkbox"/> No								
Total Pieces		Total Weight								
Total Postage										
Check One <input type="checkbox"/> Presort Verification Not Scheduled <input type="checkbox"/> Presort Verification Performed as Scheduled										
I CERTIFY that this mailing has been inspected concerning: (1) eligibility for postage rates claimed; (2) proper preparation (and presort where required); (3) proper completion of postage statement; and (4) payment of annual fee (if required).										
Date Mailing Notified		Contact		By (Initials)						
Verifying Employee's Signature		Print Verifying Employee's Name		Time AM PM						

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Transactions > Postage Statement Processing



Today's Date: 02/16/2007

Standard Mail - Permit Imprint ▶ Receipt

3602	POSTAL SERVICE STATEMENT OF MAILING/3607 WEIGHING AND DISPATCH CERTIFICATE		TRANS # 200704711234442M1		
Postage Statement: 36402535	Mailer's Job#:				
MMS PO BOX 1457 TUSCALOOSA AL 35403-1457			FINANCE NUMBER: 018250		
STATION OR UNIT:	TUSCALOOSA (0733A)		PERMIT NO: 200		
DATE OF MAILING 02/16/2007	CLASS Standard Mail	PROC CAT Flat	TYPE PI		
WEIGHT OF SINGLE PIECE (LBS) 0.0198	TOTAL PIECES 8764	TOTAL POUNDS 173.5000	Customer Reference ID CAPS Acct No: _____		
MAILED FOR: PERMIT NO. 83943 NAME: STORMWATER COMMITTEE					
CONTAINERS 13	AMOUNT FROM TRUST: \$1,113.03				
VERIFICATION SUMMARY: No verification errors.					
SIGNATURE OF WEIGHER	SDW DATA PROCESSED BY	RECEIVED FOR PROCESSING BY			
COMMENTS:		BEGINNING BALANCE: \$1,279.86 ENDING BALANCE: \$166.83			

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Statement - Standard Mail

Post Office: Note Mail Arrival Date & Time

MAILS

Mailing

Postage

Certification

Verify

Permit Holder's Name and Address and E-mail Address, If Any Dan & Bradstreet Inc Dan & Bradstreet Inc		Telephone 315 683 35	Name and Address of Mailing Agent (If other than permit holder) Dan & Bradstreet Inc		Telephone 	Name and Address of Individual or Organization for Which Mailing Is Prepared (If other than permit holder) Dan & Bradstreet Inc		Dan & Bradstreet Inc	
Post Office of Mailing Type of Postage Permit #		Processing Category <input type="checkbox"/> Letters <input type="checkbox"/> Tracts <input checked="" type="checkbox"/> Rate <input type="checkbox"/> Automation Unit (DMM 708.3.1) <input type="checkbox"/> Parcels For Mail Enclosed within Another Class <input type="checkbox"/> Periodicals <input type="checkbox"/> If Sacked, Based on		Mailing Date 1-06-07 Weight of a Single Piece 0 pounds		Federal Agency List Code Total Pieces 5764 Total Weight 13-770 lbs. 4 oz.		Statement Seq. No. No. and type of Containers 5-110-100 8-210-410 13-770-410 Detached Address Labels (DMM 600.4) <input type="checkbox"/> Yes <input type="checkbox"/> No	
For Automation Rate Pieces, Enter Date of Address Matching and Coding (DMM 708.3.3) 1-06-07		For Enhanced Carrier Route Rate Pieces, Enter Date of Address Matching and Coding (DMM 708.3.3) 01-06-07		For Enhanced Carrier Route Rate Pieces, Enter Date of Carrier Route Sequencing (DMM 245/345/445.6.10.1) 1-06-07					
Parts Completed (Select all that apply) <input type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> I <input type="checkbox"/> J <input type="checkbox"/> K <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> S									
Total Postage (Add parts totals) 11.503									
Date at Which Postage Affixed (If back end) (DMM 244, 344, 444) <input checked="" type="checkbox"/> Front <input type="checkbox"/> Back <input type="checkbox"/> Both Postage Affixed Net Postage Due (Subtract postage affixed from total postage) 4.303									
For USPS Use Only: Additional Postage Payment (State reason)									
For postage affixed add additional payments to net postage due; for permit imprint add additional payment to total postage. Total Adjusted Postage Affixed									
Postmaster: Report Total Postage in AIC 130 (Permit Imprint Only) Total Adjusted Postage Permit Imprint									
The mailer's signature certifies acceptance of liability for and agreement to pay any revenue deficiencies assessed on this mailing, subject to appeal. If an agent signs this form, the agent certifies that he or she is authorized to sign on behalf of the mailer, and that the mailer is bound by the certification and agrees to pay any deficiencies. In addition, agents may be liable for any deficiencies resulting from matters within their responsibility, knowledge, or control. The mailer hereby certifies that all information furnished on this form is accurate, truthful, and complete; that the mail and the supporting documentation comply with all postal standards and that the mailing qualifies for the rates and fees claimed; and that the mailing does not contain any matter prohibited by law or postal regulation. I understand that anyone who furnishes false or misleading information on this form or who omits information requested on this form may be subject to criminal and/or civil penalties, including fines and imprisonment.									
Privacy Notice: For information regarding our Privacy Policy visit www.usps.com									
Signature of Mailer or Agent [Signature]		Printed Name of Mailer or Agent (Signing Form) MAXX MAILING		Telephone 315 683 35					
Weight of a Single Piece 0 pounds		Are postage figures at left adjusted from mailer's entries? If "Yes" state reason. <input type="checkbox"/> Yes <input type="checkbox"/> No							
Total Pieces Total Weight									
Total Postage									
Check One <input type="checkbox"/> Presort Verification Not Scheduled <input type="checkbox"/> Presort Verification Performed as Scheduled									
I CERTIFY that this mailing has been inspected concerning: (1) eligibility for postage rates claimed; (2) proper preparation (and presort where required); (3) proper completion of postage statement; and (4) payment of annual fee (if required).		Date Mailer Notified		Contact		By (Initials)			
Verifying Employee's Signature		Print Verifying Employee's Name		Time		AM PM			
Round Stamp (Required)									



STORMWATER TREATMENT RESEARCH STUDY



Field Verification Report for the Up-Flo™ Filter

by

Robert Pitt and Uday Khambhammettu

Department of Civil, Construction, and Environmental Engineering
The University of Alabama
Tuscaloosa, AL 35487

April 2006

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1.0 INTRODUCTION

1.1 History and Background

Most stormwater requires treatment to prevent harm either to surface or ground waters. Stormwater from “critical source areas” such as paved parking and storage areas has been observed to be contaminated with higher-than-average concentrations of many critical pollutants (Bannerman, *et al.* 1993; Pitt, *et al.* 1995; Claytor and Schueler 1996). One approach is to treat the runoff from critical source areas before it mixes with the runoff from less polluted areas. The general features of a “critical source area” appear to be large paved areas, heavy vehicular traffic, and outdoor use or storage of problem pollutants.

Numerous proprietary devices have been manufactured to treat stormwater runoff. Many of these devices have been designed to treat one or more of the common stormwater pollutants – solids, metals, oils and grease, nutrients, and bacteria. Few have been designed to treat a broad range of pollutants with a single device. In addition, several of these devices provide inconsistent performance from one installation to another. Treatment of runoff from critical source areas requires a device with robust removal capabilities and the capability of operating in a situation having grossly contaminated waters containing large amounts of debris and floatable materials. There are a wide range of stormwater control practices, but all are not suitable in every situation. It is important to understand which controls are suitable for the site conditions and can also achieve the required treatment objectives.

Upflow filtration for stormwater treatment applications was examined during Phase I research of a Small Business Innovative Research (SBIR) project. Upflow filtration was examined mainly because downflow filters quickly clog, reducing their treatment flow rate and overall treatment capacity.

This research was conducted as part of a Phase II US EPA Small Business Innovative Research (SBIR) project. The scope of this Phase II research included the design, fabrication and field installation and field testing of a prototype upflow filtration device, the Up-Flo™ Filter, designed to treat stormwater runoff from critical source areas.

1.2 Objectives

The objective of this monitoring program was to determine the hydraulic capacity and the pollutant removal capabilities of a prototype upflow filtration device, the Up-Flo™ Filter, in a field installation under both controlled and actual runoff conditions.

2.0 TECHNOLOGY DESCRIPTION

2.1 Description of the Treatment System

The Up-Flo™ Filter is a compact stormwater quality treatment system that integrates multiple components of a treatment train into a single, small-footprint device. Pollutant removal mechanisms in the Up-Flo™ Filter include several processes:

- Buoyant trash is captured by flotation in the chamber and retained by the floatables baffle during high-flow bypassing
- Coarse solids and debris are removed by sedimentation and settle into the sump
- Capture of intermediate solids by sedimentation in sump resulting from controlled discharge rates
- Neutrally buoyant materials are screened out by the angled screens
- Fine solids are captured in the filtration media
- Dissolved pollutants are removed by sorption and ion-exchange in the filtration media

The basic removal of solids is dependent on physical sedimentation in the sump, and by filtration in the filter media. The following discusses these primary removal processes. Figure 2-1 is a schematic showing the main components of the Up-Flo™ Filter prototype used in this field monitoring program and the treatment flow path through the unit.

2.1.2 Sediment Capture in Catchbasin Sump

As noted above, coarse grit and debris will be removed from stormwater runoff by sedimentation. These particles settle out of influent water into the sump. Sediment particles in the <30 micron range are generally deemed unsettleable, meaning the time required for these particles to settle out is far longer than the typical residence time in catch basins even at very low flows.

Phase I SBIR research by Pitt showed that the incorporation of a sump increases the efficacy of an upflow filter. Coarse grit and debris settle out in the sump before influent waters enter the filtration media. The result is less frequent clogging and a longer life of the filtration media compared to an upflow filtration device that incorporates no pre-settling sump.

2.1.3 Filtration and Ion Exchange in Filter Media

Filtration is defined as an interaction between a suspension and a filter material (Ives 1990). Pollutants are removed from the solution when they become attached to the media or to previously captured particles. In general, the three key properties of a filter are surface area, depth and profile. Filtration media that is polar (has a high cation-exchange capacity) typically has a high specific adsorption capacity for pollutants of concern and will remove those pollutants of concern from stormwater runoff by the principles of ion-exchange. Whereas the filtering of solids is dependent on physical properties such as grain size and pore size, removal of pollutants by ion-exchange is highly dependent on the length of contact time between the pollutant and the filtration media.

2.2 Up-Flo™ Filter Prototype

A schematic of the Up-Flo™ Filter prototype used in this monitoring program is shown in Figure 2-1. The prototype Up-Flo™ Filter was constructed to fit in the modified inlet at the City Hall parking lot in Tuscaloosa, AL. Figure 2-2 through 2-8 are photographs of the prototype Up-Flo™ Filter, and the media being installed for the field tests.

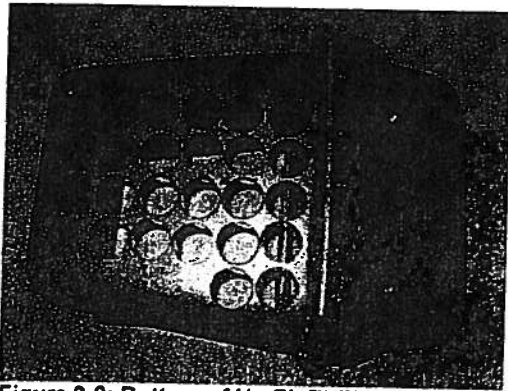


Figure 2-2: Bottom of Up-Flo™ Filter prototype shown without angled screen - at left, the large holes serve as an inlet to the filtration chamber and at right, a finer screen sits over weep hole tubes for blockage protection.

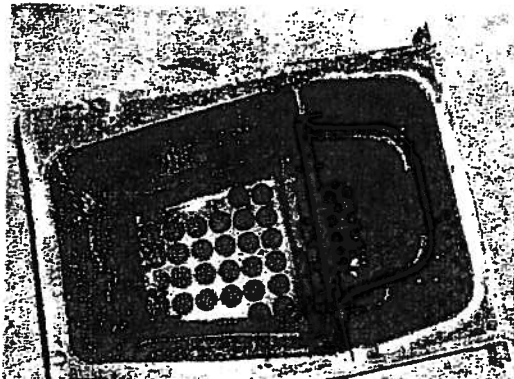


Figure 2-3: Looking down into Up-Flo™ Filter, with main filtration chamber to the left, the dividing wall with weir, the secondary filter chamber and overflow chamber.

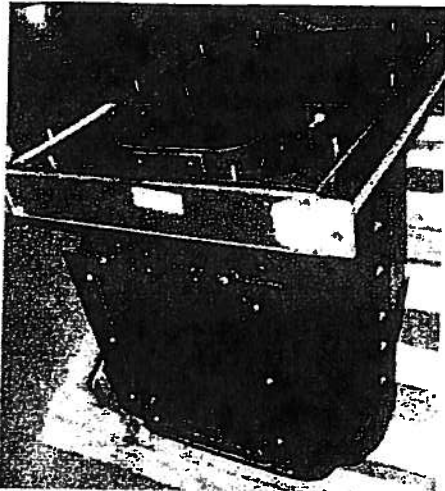


Figure 2-4: Front view of Up-Flo™ chamber.

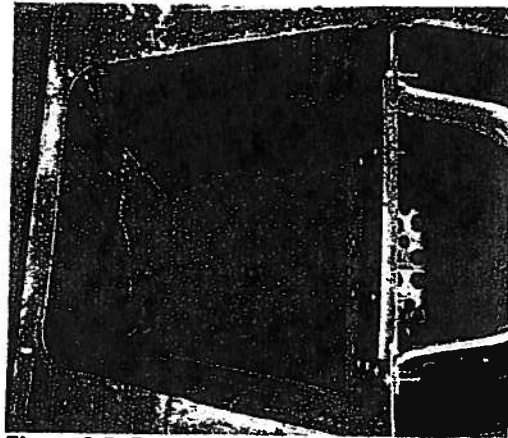


Figure 2-5: Bottom layer of flow distributing media placed in filtration chamber.

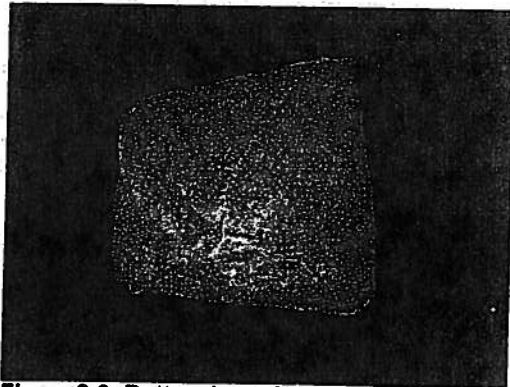


Figure 2-6: Bottom bag of filter balls placed in filtration chamber to fill excess space.

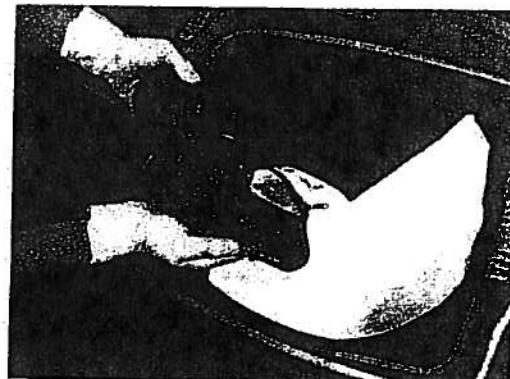


Figure 2-7: Filter bag being filled with CPZ Mix™

3.0 TEST SITE DESCRIPTION

3.1 Location and Land Use

The test site was a catch basin located in the parking lot of the Tuscaloosa City Hall, Alabama. The catch basin receives flows from the 0.9 acre drainage area within the red border shown in Figure 3-1. The grated inlet to the catch basin is denoted by the blue dot. The site is comprised of parking, roofs, and adjacent storage areas (Figure 3-2 to 3-6).

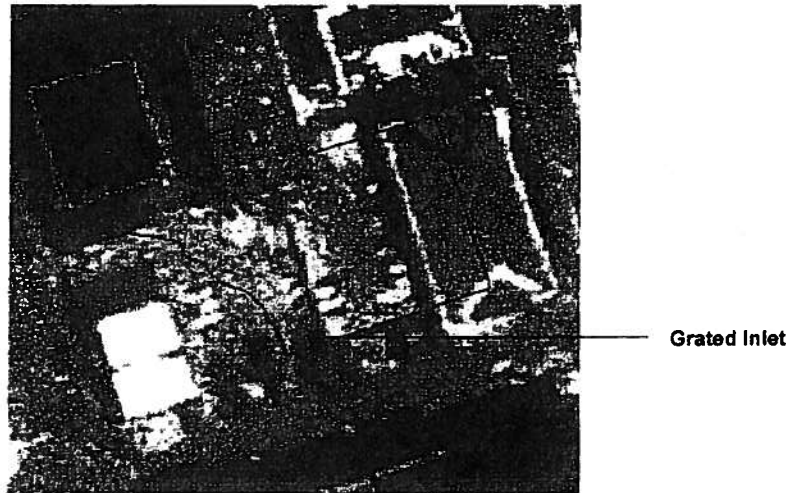


Figure 3-1: Drainage area for the test catch basin shown on an enlarged aerial photo (blue dot denotes inlet location).

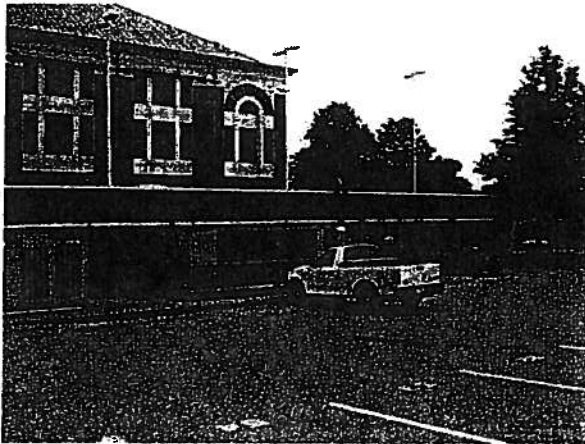


Figure 3-2: Elevated parking and city hall roof with roof drains to test area.

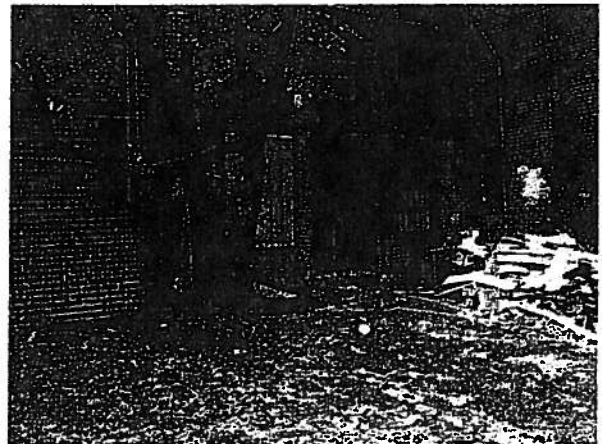


Figure 3-3: One area of building debris storage in small drainage area.

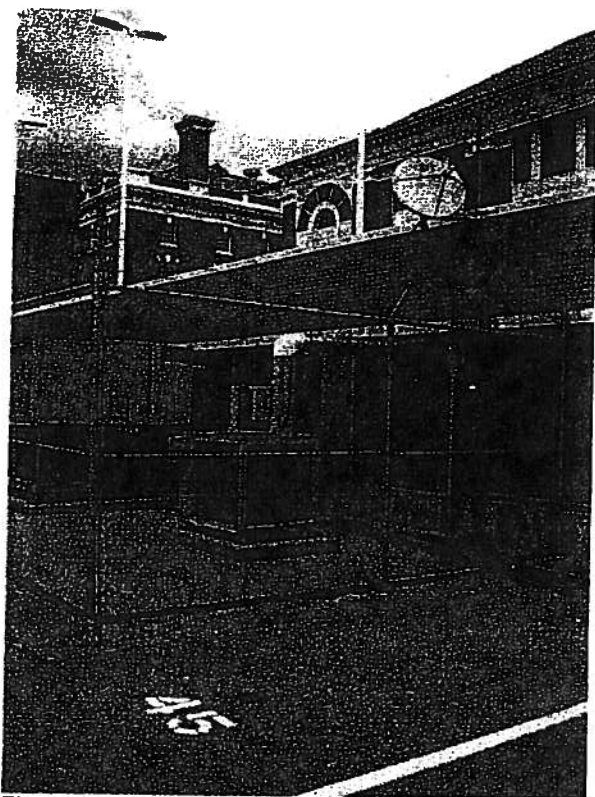


Figure 3-4: Impervious areas of the drainage site

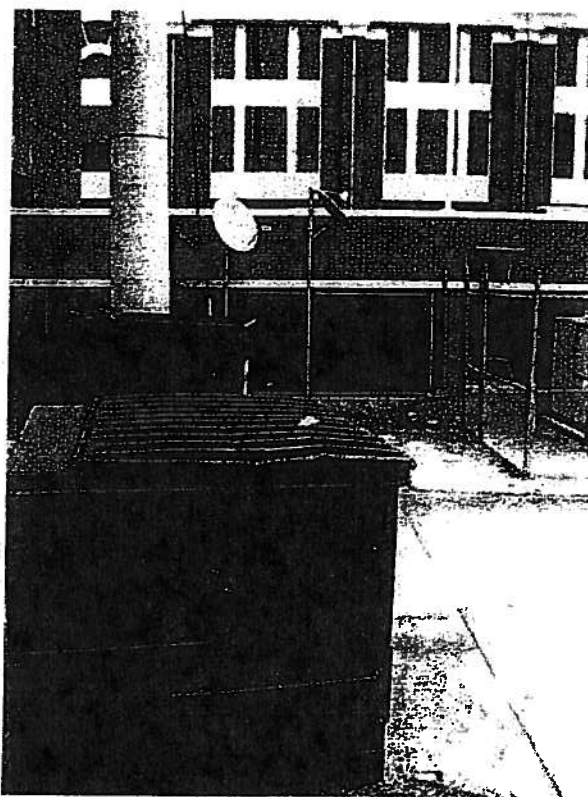


Figure 3-5: Garbage disposal containers and paved area of the drainage area

The depth of the catch basin system was 5-ft, rendering it adequate for a retrofit installation of the Up-Flo™ Filter prototype. A 3-in thick baffle wall was retrofitted to divide the catch basin into a filtration chamber and an effluent chamber (Figure 3-6). After the installation of the baffle wall, the Up-Flo™ Filter prototype was retrofitted onto the baffle wall in the filtration chamber. After retrofit installation, the filtration chamber had a sump depth (the depth between the inlet to the filtration media and the floor of the filtration chamber) of 2.5 ft. A full-size inlet grating was installed to allow access to the entire inlet area to the filtration chamber (Figure 3-7).

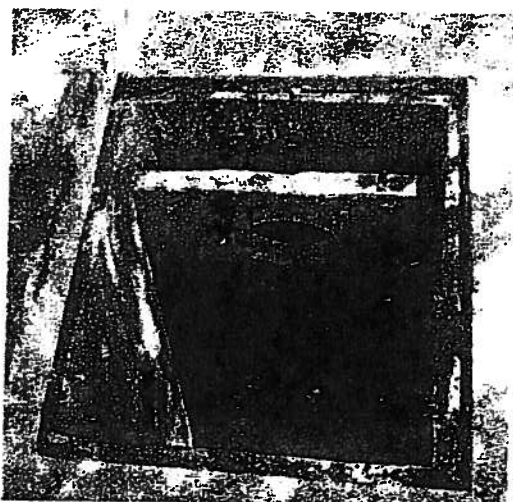


Figure 3-6: Inlet box with forms removed from baffle divider showing main outlet.

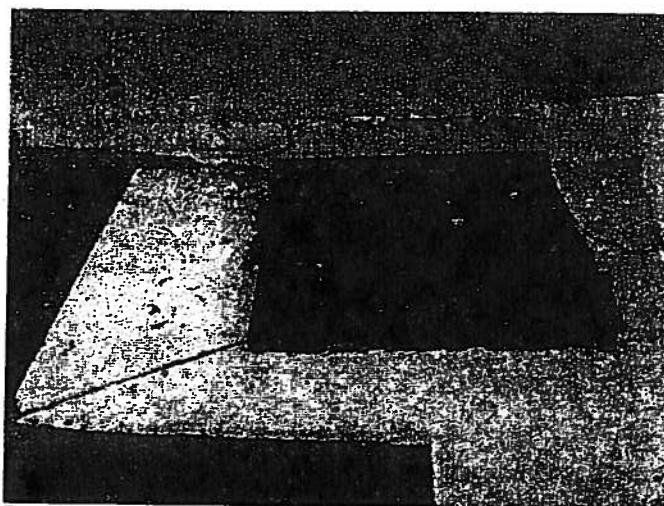


Figure 3-7: Completed modified inlet with new inlet grating.