



May 30, 2019

Alabama Department of Environmental Management  
Stormwater Management Branch  
Attn: Cammie Ashmore  
P.O. Box 301463  
Montgomery, AL 36130-1463

RE: MS4 Phase II SWMP Annual Report 2018-2019 – City of Tuscaloosa ALR040021

Ms. Ashmore:

The enclosed contains the City of Tuscaloosa's annual report regarding Phase II MS4 Permit no. ALR040021, covering the reporting period from April 1, 2018 through March 31, 2019. Our office and staff have worked diligently since the department's audit and Notice of Violation to improve the program and correct the deficiencies that were noted. Extensive personnel training and inspection procedures have been implemented. Additionally, the position of Watershed Manager has been filled.

Please let this office know if there is any additional information needed.

Respectfully,

Jarrod Milligan, P.E.  
Deputy Executive Director, IPS



**INFRASTRUCTURE & PUBLIC SERVICES**

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**Phase II MS4 Stormwater Management  
Program Plan - Annual Report:  
ALR040021**

Effective – 4/1/2018 – 3/31/2019

**Office of the City Engineer**

**PUBLIC EDUCATION & PUBLIC INVOLVEMENT ON STORMWATER IMPACTS**

**IMPLEMENTATION SCHEDULE**

<b>BMP</b>	<b>DESCRIPTION</b>	<b>PRACTICE</b>	<b>RESPONSIBLE PARTY</b>
STORMWATER PHASE II WEBSITE	Website for stormwater information and complaints. Advertise lake/stream cleanups & LID/GI information	<a href="http://www.ttownstormwater.com">www.ttownstormwater.com</a>	Ashley Chambers
STORMWATER EDUCATION BROCHURE	Update, print, and distribute stormwater education brochure	Stormwater Management Guide brochure is provided at the link below:  <a href="#">Stormwater Management Guide</a>	Ashley Chambers
STORMWATER SEMINARS	Will host, attend, & provide seminars targeted toward engineers, inspectors, & contractors concerning stormwater management	Hosted QCI Certification Class on December 12 <sup>th</sup> , 2018. 15 city employees received QCI Certification: See Appendix 1.1  4 city employees attended Alabama Water Resources Conference & Symposium September 5 <sup>th</sup> -7 <sup>th</sup> , 2018.  City employees also attended: Clear Water Alabama, Nation ASFPM Conference, ADEM Non-Point Conference, and presented to several University of Alabama classes.	City Staff
MANHOLE LABELING	Label manhole lids on inlets throughout the City of Tuscaloosa	All new development and redevelopment that install storm drain inlets require the following phrases:  “DRAINS TO WATERWAYS” or “DUMP NO WASTE”	Office of City Engineer

STORMWATER AD CAMPAIGN	Radio, TV, newspaper, social media, and electronic billboard advertisements	See Appendix 1.2 for invoice related to ad campaign. Radio and TV ads may be found at the link below:  <a href="#">Radio and TV ADs</a>	Ashley Chambers
WEBSITE SURVEY	Survey added to website to request feedback	No feedback on the SWMPP received from the website.	City Staff
DON'T CLOG WITH FOG	FOG (Fats, Oils & Grease)	Information on the FOG management program may be found at the link below:  <a href="#">FOG Program Management</a>	Ashley Chambers
STORMWATER LEAFLET	Inserted into water bills once per year	Money reallocated to the Stormwater Ad Campaign.	Ashley Chambers
VOLUNTEER MONITORING	Work with watershed groups to provide monitoring assistance	2 kits are out; 1 is available.	Ashley Chambers
LAKE/STREAM CLEANUPS	Lake Tuscaloosa "Clean Our Lakes" & stream/litter cleanup as needed	No organized cleanup held during reporting period. Lake Tuscaloosa Cleanup took place April 6 <sup>th</sup> , 2019.	Ashley Chambers
HOUSEHOLD HAZARDOUS WASTE AMNESTY DAY	A safe and environmentally acceptable way to dispose of waste instead of pouring it on the ground	Held on June 2 <sup>nd</sup> , 2018. 45,180 lbs. of household hazardous waste collected.	Ashley Chambers
CITYWIDE RECYCLING PROGRAM	Recycles, paper, plastics, cardboard, metals, etc.	Information on the citywide recycling program can be found at the link below:  <a href="#">Citywide Recycling Program</a>	Ashley Chambers

ENVIRONMENTAL SERVICES AND TDOT LITTER PATROL	Crews patrol for litter and collect garbage/trash with assistance from volunteers	City Council District 2 Volunteer Trash Cleanup was held on April 28 <sup>th</sup> , 2018. City Council District 5 Volunteer Trash Cleanup was held on August 4 <sup>th</sup> , 2018.	Ashley Chambers
TUSCALOOSA 311	Existing system providing “one call” access to city government	Citizens can call 311 for more information about recycling and stormwater education.	Ashley Chambers
SIGN POSTING	Signs referencing local codes that prohibit littering and dumping	No new signs posted.	Ashley Chambers
WATERSHED EDUCATION	Program designed to bring local businesses, stakeholders, & water quality advocates in to educate school children & the public	62 tours of Environmental Services with approximately 2,700 attendees. 49 classroom presentations with approximately 8,000 participants. Stormwater Notice sent to approximately 200 landscaping businesses. See Appendix 1.3 for Stormwater Notice.	Ashley Chambers
TUSCALOOSA AREA STORMWATER WORKING GROUP	In light of the Clean Water Partnership dissolving, this would include a collaborative effort on the part of the local MS4’s to meet bi-monthly to discuss issues that we face & provide solutions for stormwater problems	Group has been dissolved.	N/A

## ILLICIT DISCHARGE DETECTION AND ELIMINATION

### IMPLEMENTATION SCHEDULE

BMP	DESCRIPTION	PRACTICE	RESPONSIBLE PARTY
STORMWATER OUTFALL MAP	<p>Outfalls located within the MS4 are continuously being mapped in conjunction with dry weather screening</p> <p>These outfalls are added to Lucity program</p>	<p>List of outfalls mapped/screened and updated outfall map: See Appendix 2.1</p>	Kevin Turner
STORMWATER PHASE II ORDINANCE	<p>Ordinance forbids non-stormwater discharges to MS4 &amp; forces development to reduce the pollutant discharges to the MS4</p>	<p>Ordinance has been reviewed and is available at the link below:</p> <p style="text-align: center;"><a href="#"><u>Stormwater Phase II</u></a></p>	Kevin Turner
DRY WEATHER SCREENING PROGRAM	<p>Establish outfall inspection program</p> <p>Integrate inspection data with outfall GIS layer</p>	<p>List of outfalls mapped/screened and updated outfall map: See Appendix 2.1</p> <p>The City has implemented a stormwater outfall mapping system through ArcGIS and work management system through Lucity.</p>	Kevin Turner
LITTER AND NUISANCE ORDINANCE	<p>Ordinance making it unlawful for any entity to create, allow, or cause an unhealthy accumulation of garbage</p>	<p>Ordinance has been reviewed and is available at the link below:</p> <p style="text-align: center;"><a href="#"><u>Litter and Nuisance Ordinance</u></a></p>	Ashley Chambers
BACKGROUND SAMPLING PROGRAM	<p>Sample and test stream flows within each watershed to detect possible illicit discharges</p>	<p>Geological Survey of Alabama was put under contract during reporting period: See Appendix 2.2</p>	Bryan Gurney

IDDE DETECTION STRATEGY	Implement procedures to train appropriate personnel on identifying, reporting, and eliminating illicit discharges	See Appendix 2.3 for IDDE training material and attendance sheets for all trained personnel.	Kevin Turner
STANDARD OPERATING PROCEDURES	Procedures for tracing the source of a suspect illicit discharge, eliminating an illicit discharge, and notifying ADEM if a suspect illicit discharge is entering the MS4 from an adjacent MS4	Procedures for identifying, reporting, and eliminating illicit discharges were covered in the IDDE training. See Appendix 2.3 for IDDE training material and attendance sheets for all trained personnel.	Kevin Turner

## CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

### IMPLEMENTATION SCHEDULE

BMP	DESCRIPTION	PRACTICE	RESPONSIBLE PARTY
STORMWATER PHASE II ORDINANCE	Ordinance requiring erosion & sediment controls and appropriate enforcement actions to ensure compliance	Initial enforcement actions are located at the link below:  <a href="#">Construction Site Inspections</a>  See Appendix 3.1 for complete escalating enforcement procedures.	Kevin Turner
LAND DEVELOPMENT PERMIT (LDP)	Permit required for all construction other than single-family home construction	Erosion and sediment control plan is required and reviewed for all Land Development Permits.	Bryan Gurney
QCI TRAINING	Personnel involved in the inspection process will be QCI certified and trained to handle BMP failures by following the escalating enforcement procedure	15 city employees received QCI Certification. See Appendix 1.1	Kevin Turner
SITE INSPECTION	Require monthly inspection of priority construction sites  Document according to the inspection protocol and follow the escalating enforcement procedure	List of priority construction sites within the MS4: See Appendix 3.2  107 construction site inspections performed: See Appendix 3.3	Kevin Turner



WEBSITE	Enables citizens to report complaints regarding discharges from construction sites/activities	15 construction site runoff complaints received and addressed during the reporting period: See Appendix 3.4  Contact information is listed on the website at the link below:  <a href="#">Contact Us</a>	Kevin Turner
ENFORCEMENT STRATEGY AND TRACKING SYSTEM	All inspected construction sites are documented  Any enforcement procedures follow the outlined escalation protocol	28 non-compliant construction site referrals and/or enforcement actions with descriptions included: See Appendix 3.5	Kevin Turner
BUILDING CODE	Requirements are outlined for waste control and septic systems at construction sites	Continuous	Alan Boswell

## POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

### IMPLEMENTATION SCHEDULE

BMP	DESCRIPTION	PRACTICE	RESPONSIBLE PARTY
LANDSCAPE ORDINANCE	Requirements for inlet location and incorporation into islands, raingardens, bioswales, and other post BMP structural controls is dictated by this ordinance	Landscape Ordinance is linked below:  <a href="#">Landscape and Buffer Requirements</a>	Bryan Gurney
LAND DEVELOPMENT PERMIT (LDP)	Permit required for all construction other than single-family home construction	Post-Construction BMP's are reviewed and approved as part of the LDP review process.	Bryan Gurney
STORMWATER PHASE II ORDINANCE	Design requirements: reduce the discharge of pollutants to the MS4 to the maximum extent practicable to protect water quality and satisfy appropriate water quality requirements of the CWA	Click below link to view design requirements:  <a href="#">Stormwater Phase II</a>	Bryan Gurney
CERTIFICATE OF OCCUPANCY (CO)	Procedure to document that post-construction storm water measures have been installed per design specifications	Post-construction site evaluations are performed to verify the installation of post-construction BMP's per design specifications before a final CO is issued.	Kevin Turner
LOW-IMPACT DEVELOPMENT DATABASE	Create and maintain a database of newly developed and redeveloped local sites that incorporate LID/GI techniques	Low-Impact Development Database: See Appendix 4.1  205 Post-construction structural control inspections performed: See Appendix 4.2	Kevin Turner

**POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS**

**IMPLEMENTATION SCHEDULE**

<b>BMP</b>	<b>DESCRIPTION</b>	<b>PRACTICE</b>	<b>RESPONSIBLE PARTY</b>
INVENTORY OF MUNICIPAL OPERATIONS	Identify and inventory all municipal operations that discharge to the MS4	Inventory of Municipal Facilities: See Appendix 5.1	Kevin Turner
LAND DEVELOPMENT PERMIT (LDP)	Permit required for all construction other than single-family home construction	Continuous	Bryan Gurney
RAINFALL DATA NETWORK	Establish network of permanent weather stations to collect rainfall data	Monitor weather outlets during significant rainfall events	City Staff
POLLUTION PREVENTION PROGRAM	Create and adopt standard operating procedures (SOP's) for municipal operations as required to reduce pollutant discharges	See Appendix 5.2 for Good Housekeeping and SPCC training logs	Kevin Turner
STREET SWEEPING PROGRAM	Street sweeping operations shall document the frequency of sweeping and amount of debris collected	Approximately 8,000 tons collected annually	Selvin Greene

<b><u>RESPONSIBLE PARTIES</u></b>		
<b>POSITION</b>	<b>PERSONNEL</b>	<b>CONTACT INFORMATION</b>
Construction Manager	Kevin Turner	<a href="mailto:kturner@tuscaloosa.com">kturner@tuscaloosa.com</a> 205-248-5388
Environmental Educator	Ashley Chambers	<a href="mailto:achambers@tuscaloosa.com">achambers@tuscaloosa.com</a> 205-248-5256
Civil Engineer	Bryan Gurney	<a href="mailto:bgurney@tuscaloosa.com">bgurney@tuscaloosa.com</a> 205-248-5383
Chief Building Official	Alan Boswell	<a href="mailto:aboswell@tuscaloosa.com">aboswell@tuscaloosa.com</a> 205-248-5114
Director of Infrastructure	Selvin Greene	<a href="mailto:sgreene@tuscaloosa.com">sgreene@tuscaloosa.com</a> 205-248-5386

**CERTIFICATION**

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



Walt Maddox, Mayor

City of Tuscaloosa



Date