



May 29, 2020

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 2019-2020 – 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, 2019 through March 31, 2020.

This year's annual report follows a new format based upon the draft version of a new SWMPP submitted to the department for review. A formal adoption of this new plan by Tuscaloosa City Council will take place as soon as circumstances allow. However, due to COVID-19, this adoption has been delayed. Similarly, some information and activities associated with the SWMPP have not been included, or conducted, due to COVID-19. In instances where this is the case, an indication has been made in the SWMPP annual report.

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

Respectfully,

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



INFRASTRUCTURE & PUBLIC SERVICES

2201 University Blvd. • Tuscaloosa, AL 35401 • Phone 205-248-5890 • Fax 205-248-5769 • City Hall 205-248-5311

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

Effective – 4/1/2019 – 3/31/2020

Office of the City Engineer

PUBLIC EDUCATION & PUBLIC INVOLVEMENT ON STORMWATER IMPACTS

IMPLEMENTATION SCHEDULE

BMP		DESCRIPTION	PRACTICE	RESPONSIBLE PARTY
1.1	STORMWATER PHASE II WEBSITE	The City shall maintain a website housing all information regarding stormwater management, including, but not limited to: the SWMPP, annual reports, relevant ordinance(s), events, announcements, guides/guidelines, city programs, contact information city personnel, and a mechanism for public comment/feedback.	www.ttownstormwater.com	Watershed Manager
1.2	STORMWATER MARKETING PLAN	The Stormwater Marketing Plan specifically targets the general public and aims to share information related to stormwater management as well as educate them on practical everyday stormwater management practices.	Stormwater Management Guide brochure is provided at the link below: Stormwater Management Guide	Environmental Educator
1.3	STORMWATER NETWORKING	Personnel involved with maintaining the SWMPP will attend, host, and provide/present conferences, seminars, workshops, and training related to stormwater management.	City of Tuscaloosa had members of staff attend various events this reporting year, including: Alabama Conservation Districts – Employee Training (as presenters) June 12, 2019 Erosion, Sediment Control, LID, & Stream Protection Course July 12, 2019	Watershed Manager

			<p>Alabama Stormwater Association Meeting – Post Construction Stormwater Management (as presenters) August 15, 2019</p> <p>Clearwater Alabama, October 10. 2019</p> <p>Items related to these activities have been provided in Appendix 1.A</p>	
1.4	MANHOLE LABELING ON NEW DEVELOPMENT AND REDEVELOPMENT	Land Development Permit (LDP) requires all inlet lids on new development and redevelopment within the City of Tuscaloosa to include the phrases “Drains to Waterways” or “Dump no Waste”, increasing stormwater awareness by involving engineers, developers, and contractors in the public education process.	<p>All new development and redevelopment that install storm drain inlets require the following phrases:</p> <p>“DRAINS TO WATERWAYS” or “DUMP NO WASTE”</p>	Office of City Engineer
1.5	SWMPP & STORMWATER MANAGEMENT FEEDBACK	Personnel involved with maintaining the SWMPP have their contact information made available on the website along with a mechanism allowing users to submit comment/feedback on the SWMPP and other stormwater management practices and information.	There has been no feedback regarding the SWMPP during the reporting period.	Watershed Manager
1.6	FATS, OILS, & GREASE (FOG) MANAGEMENT PROGRAM	Educating the public about FOG issues and problems and the importance of FOG program implementation is essential. Public outreach to	Guidelines, regulations, and public outreach materials regarding the FOG Management Program are available at the link below:	Environmental Educator

		Tuscaloosa residents will help reduce the amount of FOG entering the sanitary sewer system by educating them of the proper home kitchen grease disposal techniques and practices.	FOG Program Management	
1.7	VOLUNTEER MONITORING	The City shall work with watershed groups to provide monitoring assistance and/or resources to help in monitoring programs.	There has been no volunteer monitoring during the reporting period	Watershed Manager
1.8	ENVIRONMENTAL CLEANUPS	The City shall host, participate in, and promote cleanup activities as they are needed for Tuscaloosa and adjoining MS4's.	The following cleanup activities took place during the reporting year: Lake Tuscaloosa Cleanup - April 6 th , 2019 3600 lbs. of trash removed from Lake Tuscaloosa A photo from the event has been included in Appendix 1.B	Environmental Educator
1.9	HOUSEHOLD HAZARDOUS WASTE DISPOSAL DAY	Hosted by the City's Environmental Services Division (ESD). Open to all Tuscaloosa County residents, for household hazardous waste only.	Held on June 2 nd , 2019. 29,599 lbs. of household hazardous waste collected. See Appendix 1.C for details	Environmental Educator
1.10	CITYWIDE RECYCLING PROGRAM	A no-cost recycling program provided to all residents of the City of Tuscaloosa who have garbage service provided by the city. Items may be collected in bins provided by the City or dropped off by individuals at a	Information regarding the Citywide Recycling Program is available at the link below: Citywide Recycling Program This information includes: a bin request action, detailed map of "drop-off" locations, items that	Environmental Educator

		designated “drop-off”. Recycling helps minimize the impact landfills have on water resources and encourages environmental awareness.	are accepted & not accepted, as well as general information about the program.	
1.11	TUSCALOOSA 311	311 is a phone number that can be dialed from anywhere in Tuscaloosa for all non-emergency inquiries on City services and information.	There were no 311 requests submitted that pertain to public education and public involvement during the reporting period	Watershed Manager
1.12	SIGN POSTING	Signage shall be installed throughout the City in an effort to prevent/minimize the amount of pollutants to stormwater runoff. These signs include, but are not limited to: Adopt-a-Mile, pet waste stations, illegal dumping of rubbish, etc.	City staff is currently building an inventory and map of all posted signs related to educating/informing the public about stormwater and stormwater pollution	Watershed Manager
1.13	WATERSHED EDUCATION	Groups within the City of Tuscaloosa will be presented various topics related to stormwater/water quality and management. Groups presented to include: city schools, businesses, civic organizations, etc.	2,608 total participants through end of reporting year See Appendix 1.D for details regarding tours and presentations	Environmental Educator

ILLICIT DISCHARGE DETECTION AND ELIMINATION

IMPLEMENTATION SCHEDULE

BMP		DESCRIPTION	PRACTICE	RESPONSIBLE PARTY
2.1	STORMWATER PHASE II ORDINANCE	Ordinance enacted to preserve, protect and promote health, safety and welfare of the citizens of Tuscaloosa, Alabama through the reduction, control and prevention of the discharge of pollutants to the MS4.	Ordinance has been reviewed and is available at the link below: Stormwater Phase II	Watershed Manager
2.2	STORMWATER OUTFALL MAP	The City shall maintain a map of all known "outfalls" that discharge to/within the MS4.	The entirety of "Quadrant 1" was mapped during the 2019-2020 reporting year. For reference, the outfall map has been included in Appendix 2.A	Watershed Manager
2.3	DRY WEATHER SCREENING PROGRAM	Program designed to observe outfalls of City of Tuscaloosa MS4. During these inspections, conditions of outfalls will be inspected and the need for further investigation or maintenance made based on condition during observation.	Performed concurrently with outfall mapping. Example of table generated by mapped/inspected outfall has been included in Appendix 2.B	Watershed Manager
2.4	LITTER AND NUISANCE ORDINANCE	Ordinance making it unlawful for any entity to create, allow, or cause an unhealthy accumulation of garbage	Ordinance has been reviewed and is available at the link below: Litter and Nuisance Ordinance	Environmental Educator

2.5	SURFACE AND STORMWATER ASSESSMENT	A comprehensive analysis of local water resources shall be conducted in order to assess stream health and identify areas of concern.	Geological Survey of Alabama is under contract to perform this work, but circumstances related to COVID-19 have delayed completion and delivery. A copy of the original contract has been included in Appendix 2.C	Watershed Manager
2.6	IDDE TRAINING FOR APPROPRIATE PERSONNEL	The City shall implement procedures to train appropriate personnel on the identification, reporting, and corrective action of illicit discharges.	Material presented in IDDE training and corresponding sign in sheets have been provided in Appendix 2.D	Watershed Manager
2.7	ILLICIT DISCHARGE STANDARD OPERATING PROCEDURES (SOP's)	Standard Operating Procedures (SOP's) shall be implemented by the City to ensure suspect illicit discharges are investigated in order to determine their source, eliminate illicit discharges, and mitigate the impact(s) of illicit discharges.	Procedures for identifying, reporting, and eliminating illicit discharges were covered in the IDDE training. A flowchart outlining these steps has been developed and included in Appendix 2.E	Watershed Manager
2.8	IDDE REPORTING: GENERAL PUBLIC	The City shall maintain a reporting mechanism for all citizens of Tuscaloosa to communicate their finding of active or suspected illicit discharges within the MS4.	The City relies on 311, email, and phone calls to receive and respond to citizen complaints regarding active or suspected illicit discharges. Records of these reports are retained.	Watershed Manager
2.9	IDDE REPORTING: OTHER	Illicit Discharges reported to the City by any entity other than the general public will fall under this Best Management Practice, including, but not limited to	City departments respond to reported illicit discharges using SOP's outlined previously in this report. An email list for private sanitary discharges and FOG management protocols are	Watershed Manager

		the following: private sanitary sewer discharges, FOG violations, HAZMAT	adhered to. Other guidelines are followed for other types of illicit discharges.	
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CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

IMPLEMENTATION SCHEDULE

BMP		DESCRIPTION	PRACTICE	RESPONSIBLE PARTY
3.1	STORMWATER ORDINANCES	Ordinances requiring erosion & sediment controls for land disturbing activities within the City of Tuscaloosa.	Ordinances have been reviewed and are available at the links below: Phase II Ordinance Land Development Permit	Construction Manager
3.2	ESCALATING ENFORCEMENT PROCEDURE	The City seeks to maintain compliance with all ordinances regarding erosion and sediment controls by following its Escalating Enforcement Procedure.	The escalating enforcement procedure has been reviewed and adhered to during the reporting year. A link to the detailed escalating enforcement procedure is provided at the below: Escalating Enforcement Procedure	Construction Manager
3.3	LAND DEVELOPMENT PERMIT (LDP)	The Land Development Permit (LDP) application process shall include a review of erosion and sediment control BMP's before permit is issued.	Erosion and sediment control plans are required and have been reviewed for all Land Development Permits during the reporting year.	Development Engineer

			The City of Tuscaloosa issued 199 LDP's this reporting year.	
3.4	MS4 STAFF INSPECTOR TRAINING	Personnel involved in the inspection of qualifying construction sites, and other appropriate supervisory personnel, will be trained in the identification, installation, maintenance, function, and inspection of erosion and sediment control BMP's.	12 city employees received QCI (re)certification Items related to this training have been included in Appendix 3.A A second QCI renewal/initial training was scheduled for the spring, but circumstances due to COVID-19 prevented. This training will be reported in the 2020-2021 annual report	Watershed Manager
3.5	SITE INSPECTION	All qualifying construction sites will be inspected, with each inspection noting the following: facility type, inspection date, name & signature of inspector, location of construction project, owner/operator information, descriptions of the stormwater BMP conditions, and photographic documentation of any issues and/or concerns.	List of priority construction sites within the MS4: See Appendix 3.B 412 construction site inspections were performed during the reporting period	Construction Manager
3.6	REPORTING OF CONSTRUCTION SITE RUNOFF COMPLAINTS	The public is encouraged to report any construction site runoff complaint via 311 or townstormwater.com where city personnel contact information has been made available.	The City uses 311, email, and phone calls to receive and respond to construction site runoff complaints. The non-compliant construction site spreadsheet notes these activities.	Construction Manager

3.7	NON-COMPLIANT CONSTRUCTION SITE REFERRALS & ENFORCEMENT	All qualifying construction sites inspected and deemed non-compliant will be documented and appropriately addressed using the escalating enforcement procedure.	See Appendix 3.C for a spreadsheet noting all Non-compliant Construction Site Referrals and any enforcement actions taken	Construction Manager
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POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

IMPLEMENTATION SCHEDULE

	BMP	DESCRIPTION	PRACTICE	RESPONSIBLE PARTY
4.1	LANDSCAPE ORDINANCE	Requirements for inlet location and incorporation into islands, raingardens, bioswales, and other post BMP structural controls is dictated by this ordinance in order to promote infiltration and the reduction of runoff & nonpoint source pollution.	No amendments or revisions were made to the Landscape Ordinance during the reporting year. A link to the ordinance is provided below: Landscape and Buffer Requirements	Development Engineer
4.2	STORMWATER PHASE II ORDINANCE	Ordinance enacted to preserve, protect and promote health, safety and welfare of the citizens of Tuscaloosa, Alabama through the reduction, control and	No amendments or revisions were made to the Stormwater Phase II Ordinance during the reporting year. A link to the ordinance is provided below:	Watershed Manager

		prevention of the discharge of pollutants to the MS4.	<u>Stormwater Phase II</u>	
4.3	LAND DEVELOPMENT PERMIT (LDP)	The LDP process involves review of site plans to verify post-construction structural controls have been considered and appropriately implemented in design. LDP process also addresses long-term maintenance requirements for post-construction structural controls by obtaining a signed maintenance agreement from owner.	The City is developing a long-term maintenance agreement as part of a revamped LDP process. The corresponding form for this agreement has been included in Appendix 4.A	Development Engineer
4.4	POST BMP INSTALLATION INSPECTION	An inspection of all qualifying construction sites shall be conducted prior to the issuance of a CO in order to verify the installation of post-construction structural controls per design specifications.	Post-construction structural controls are inspected as part of the final CO process. An inspection/signature form used in this process is attached in Appendix 4.B	Watershed Manager
4.5	POST-BMP INVENTORY	The City shall maintain an inventory of newly developed and redeveloped sites that incorporate post-construction structural controls.	See Appendix 4.C for the spreadsheet containing all Post-BMP devices located within the City of Tuscaloosa MS4	Watershed Manager
4.6	POST BMP ANNUAL INSPECTION	Personnel shall inspect post-construction structural controls to ensure installation, function, and maintenance are adequate and in accordance with plans and agreements.	221 Post BMP annual inspections were performed during the reporting period. See Appendix 4.C for the Post BMP Inventory containing the dates of inspections.	Watershed Manager

4.7	POST BMP TRAINING	Appropriate personnel will be trained to inspect post-construction structural controls.	Post BMP training was unable to be held during the reporting period due to circumstances related to COVID-19. This training will be performed as soon as practical and included in the 2020-2021 annual report.	Watershed Manager
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POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

IMPLEMENTATION SCHEDULE

BMP		DESCRIPTION	PRACTICE	RESPONSIBLE PARTY
5.1	INVENTORY OF MUNICIPAL FACILITIES	Identify and inventory all municipal facilities that have the potential to discharge pollutants to the MS4 via stormwater runoff.	See Appendix 5.A for the Inventory of Municipal Facilities	Watershed Manager
5.2	GOOD HOUSEKEEPING SOP'S	Each municipal facility that has the potential to pollute has adopted SOP's that prevent or reduce the discharge of pollutants. These SOP's shall be specific to the operation and potential pollutant stored or handled at each facility.	No additions or revisions to municipal facility SOP's with the potential to pollute have occurred during the reporting year.	Watershed Manager
5.3	GOOD HOUSEKEEPING PRACTICES	Each municipal facility shall implement training for appropriate personnel in accordance with SOP's.	Training sign-in sheets have been attached in Appendix 5.B	Watershed Manager


	TRAINING PROGRAM			
5.4	LITTER, REFUSE ACCUMULATIONS, JUNK ORDINANCE	Ordinance defining materials, responsibility of proper waste/material disposal, the hazards of improper disposal, and enforcement/corrective actions to be taken by the City when violations occur.	The ordinance has been reviewed and no amendments made. The ordinance has been provided at the link below: Litter, Refuse Accumulation, Junk Ordinance	Watershed Manager
5.5	ENVIRONMENTAL CLEANUPS	The City shall host, participate in, and promote cleanup activities as they are needed for Tuscaloosa and adjoining MS4's.	The following cleanup activities took place during the reporting year: Lake Tuscaloosa Cleanup - April 6 th , 2019	Environmental Educator
5.6	CITYWIDE RECYCLING PROGRAM	A recycling program available to all residents of the City of Tuscaloosa. Items may be collected in bins provided by the City or dropped off by individuals at a designated "drop-off". Recycling helps minimize the impact landfills have on water resources and encourages environmental awareness.	A spreadsheet housing all of the recycling program participants and a pick-up schedule has been attached in Appendix 5.C	Environmental Educator
5.7	MAINTENANCE FOR CITY-OWNED POST BMP STRUCTURAL CONTROLS	Debris and floatable material will be removed from ponds, snouts, upflow filter vaults, and any other post BMP structural controls owned by the City.	See Appendix 5.D for an example of scheduled maintenance for city-owned post BMP devices and a description of the maintenance or work performed	Watershed Manager

5.8	STREET SWEEPING PROGRAM	Street sweeping activities will be performed by the City using appropriate equipment to remove debris and floatable material from City-owned roads and streets.	Approximately 8,000 tons collected annually.	Watershed Manager
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<u>RESPONSIBLE PARTIES</u>		
POSITION	PERSONNEL	CONTACT INFORMATION
Environmental Educator	Todd Hester	mthester@tuscaloosa.com 205-248-4900
Watershed Manager	Case O'Dell	codell@tuscaloosa.com 205-248-5391
Development Engineer	Brad Matthews	bmatthews@tuscaloosa.com 205-248-5384
Construction Manager	Kevin Turner	kturner@tuscaloosa.com 205-248-5388

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

5/27/2020

Date