



City of Kings Mountain, North Carolina

STORMWATER MANAGEMENT PLAN & ANNUAL NPDES PERMIT REPORT

Prepared by:

City of Kings Mountain, NC
Stormwater Services
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NPDES Permit No: NC S000529

Reporting Year 3

December 1, 2013- November 30, 2014

REPORTING 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 gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information 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 fines and imprisonment for knowing violations.

Rickey E. Putnam
Manager, Stormwater Services

1/06/2015
Date

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INTRODUCTION

STORMWATER MANAGEMENT PLAN OVERVIEW

The North Carolina Division of Water Quality issued NPDES Phase II Permit NC S000529 to the City of Kings Mountain effective December 1, 2011. The Stormwater Management Plan is the City of Kings Mountain's program to comply with NPDES Phase II Permit NC S000529 for stormwater discharges from Small Municipal Separate Storm Sewer Systems (MS4s). The plan includes the Best Management Practices included in the City's application plan narrative as well as guidelines and strategies necessary for protecting water quality and reducing pollutant discharges to the maximum extent practicable. The plan also includes reporting results for the current yearly reporting period from December 1, 2013 to November 30, 2014.

This plan is a guidance document to be used by City staff and the general public. The plan is evolving and will address priorities and needs that will be reflected in compliance programs, policies, operating manuals and revised ordinances over the five (5) year implementation period.

As required by the EPA regulations for the NPDES Phase II stormwater programs, the following are the six minimum measures that are addressed in the plan:

1. PUBLIC EDUCATION AND OUTREACH
2. PUBLIC PARTICIPATION AND INVOLVEMENT
3. ILLICIT DISCHARGE DETECTION AND ELIMINATION
4. CONSTRUCTION SITE RUNOFF CONTROL
5. POST-CONSTRUCTION SITE RUNOFF CONTROL
6. POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

STATUS OF IMPLEMENTATION

The City of Kings Mountain is pleased to report excellent progress for year three (3) compliance with requirements of NPDES Phase II Permit NC S000529. Primary areas of work include:

- Approval and preparation for implementation of:
 - Stormwater Permit Requirements
 - Stormwater Permit Review and Approvals
- Public Outreach events to educate the public and encourage public participation and involvement.

NPDES Permit No: NC S000529

CHANGES/JUSTIFICATIONS

None at this time.

CITY OF KINGS MOUNTAIN STORMWATER SERVICES OVERVIEW

COMPREHENSIVE STORMWATER MANAGEMENT

Comprehensive stormwater management takes into account both quantity and quality of stormwater runoff and is reflected in the five (5) major components of the City of Kings Mountain’s Stormwater Services program:

ADMINISTRATION AND PLANNING

Planning utilized the watershed approach to develop long range plans to improve drainage and water quality within each watershed. The City has been divided into four main watersheds. The eastern watersheds drain into the Catawba River Basin and the western watersheds drain into the Broad River Basin. This approach seemed most appropriate considering our municipal limits incorporates two separate river basins.

REGULATORY AUTHORITY AND ENFORCEMENT

The City of Kings Mountain’s current stormwater ordinance has been created in order to meet required comprehensive stormwater management and create technical standards for design and maintenance of private stormwater facilities. The City currently has one staff member who is BMP inspection certified. The city has approved Post-Construction runoff BMP measures, the plan is to have staff educated in maintenance practices in order to ensure compliance with the City’s maintenance standards. All NPDES Phase II stormwater regulations fall into this category.

CAPITAL IMPROVEMENT PLAN

The City has determined the lot size and the impervious areas for the City properties. This information along with the inventory of our drainage system and our capital improvement needs was a large part of determining an appropriate residential unit for the development of stormwater utility fees. A portion of the utility fee will go toward identified capital improvement projects that have been prioritized to provide the most effective water quantity as well as quality improvements.

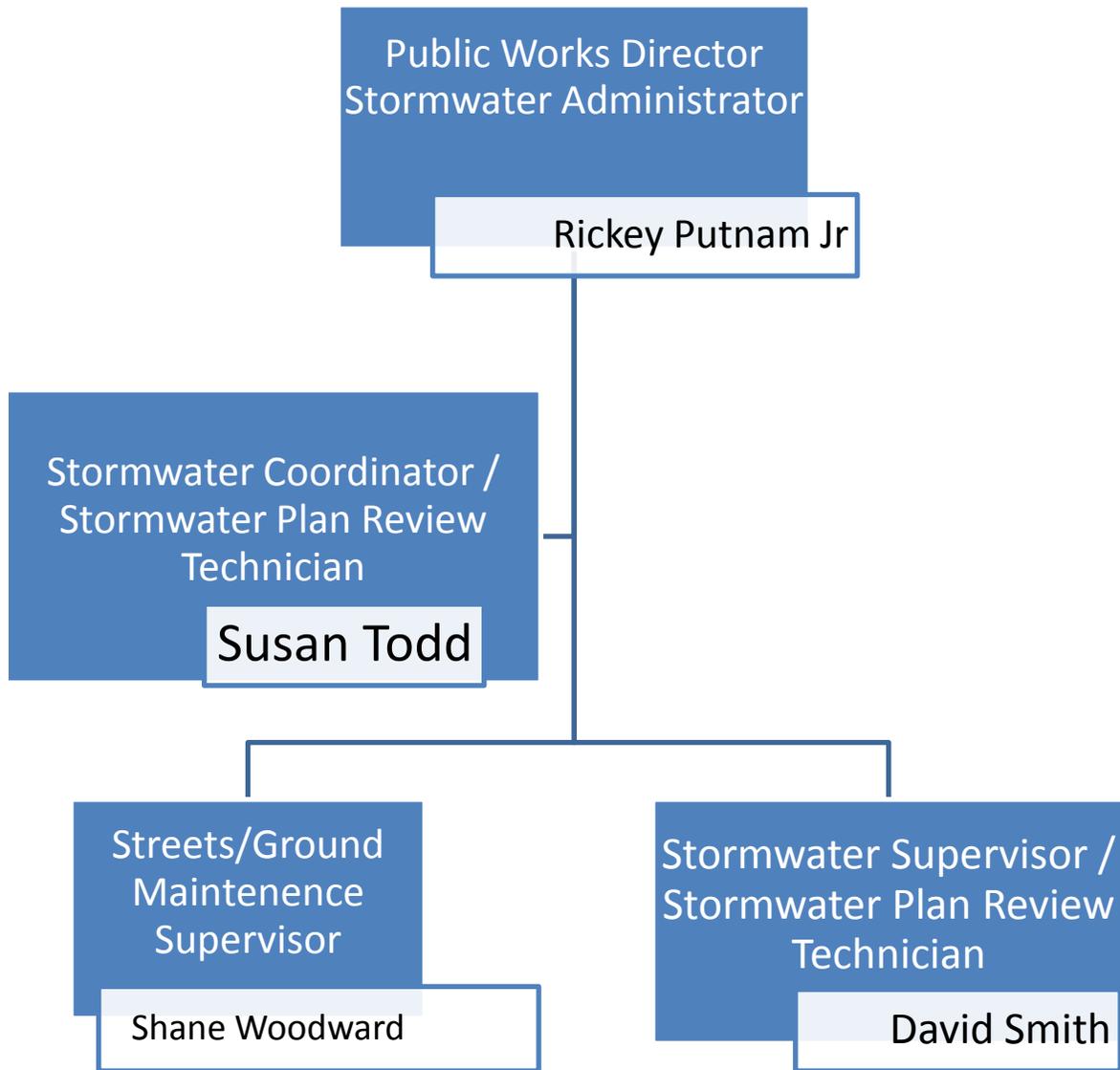
OPERATIONS AND MAINTENANCE

The City of Kings Mountain’s Stormwater Services Department is responsible for maintaining the public drainage system. With the implementation of the City’s NPDES Phase II BMP for Pollution Prevention and Good Housekeeping this division will continue to maintain the City’s open and closed drainage systems, street sweeping, and maintenance of public parking areas. The City has completed an O & M for catch basins and conveyance systems which will include reporting mechanisms.

WATER QUALITY

Currently there are not TMDL’s on any of the streams that the permittee is permitted to discharge into. The permittee will continue to monitor information regarding the water quality of these streams and make revisions to the stormwater plan if needed.

ORGANIZATIONAL CHART



BUDGET FOR 2012/2013 FISCAL YEAR

FY 2013-2014

CURRENT PERIOD 07/01/2013 TO 11/27/2013

		BUDGETED	CURRENT	YEAR TO DATE		REMAINING
ACCOUNT		EXPENDITURE	EXPENDITURE	EXPENDITURE	ENCUMBRANCE	BALANCE
10-13-4176	Stormwater Maintenance	10,000.00	0.00	1,068.73	0.00	8,931.27

FY 2014 - 2015

CURRENT PERIOD OF 07/01/2014 TO 11/30/2014

CURRENT PERIOD: 11/01/2014 TO 11/30/2014

IDEAL REMAINING PERCENT: 58 %

ACCOUNT	BUDGETED EXPENDITURE	CURRENT EXPENDITURE	YEAR TO DATE EXPENDITURE	ENCUMBRANCE	REMAINING BALANCE	PCT
62-01-4010-000 SALARIES	163,942.00	17,736.81	76,372.10	0.00	87,569.90	53
62-01-4100-000 FICA TAX	12,542.00	1,206.77	5,045.59	0.00	7,496.41	60
62-01-4110-000 RETIREMENT	11,591.00	1,029.40	5,174.91	0.00	6,416.09	55
62-01-4120-000 HEALTH INSURANCE	47,045.00	3,618.88	18,915.61	0.00	28,129.39	60
62-01-4125-000 401 K	8,197.00	886.86	3,818.61	0.00	4,378.39	53
62-01-4135-000 WORKERS COMPENSATION	2,520.00	0.00	0.00	0.00	2,520.00	100
62-01-4140-000 PROESSIONAL SERVICES	8,000.00	72.00	300.51	609.32	7,090.17	89
62-01-4400-000 SUPPLIES	12,000.00	-4,129.79	11,677.14	304.66	18.20	0
62-01-4455-000 GAS AND OIL	8,000.00	0.00	414.78	0.00	7,585.22	95
62-01-4530-000 TRAVEL AND TRAINING	2,500.00	0.00	744.53	0.00	1,755.47	70
62-01-4550-000 TELEPHONE	1,200.00	175.86	985.65	0.00	214.35	18
62-01-4555-000 POSTAGE	1,000.00	0.00	0.96	0.00	999.04	100
62-01-4675-000 REPAIR & MAINT VEH	11,981.00	0.00	2,948.02	0.00	9,032.98	75
62-01-4735-000 ADVERTISING	1,000.00	0.00	0.00	0.00	1,000.00	100
62-01-4855-000 UNIFORMS	1,000.00	0.00	112.98	0.00	887.02	89
62-01-4860-000 LIABILITY INSURANCE	500.00	0.00	0.00	0.00	500.00	100
62-01-4880-000 ADMINISTRATIVE SERVICES	4,000.00	333.33	2,539.63	0.00	1,460.37	37
62-01-4920-000 BAD DEBTS	200.00	0.00	0.00	0.00	200.00	100
62-01-5001-000 C/O MAPPING	40,000.00	0.00	141.28	0.00	39,858.72	100
62-01-5002-000 C/O RAMJET EQUIPMENT SHI	0.00	-750.00	1,232.27	19,900.00	-21,132.27	0
62-01-5003-000 C/O DUMP TRUCK 2014	0.00	0.00	0.00	47,849.52	-47,849.52	0
62-01-5008-000 C/O PICK UP TK	0.00	0.00	0.00	24,579.68	-24,579.68	0
62-01-5009-000 C/O EXCAVATOR & TRAILER	0.00	0.00	52,800.00	0.00	-52,800.00	0
62-01-5010-000 C/O W MTN PHASE II	20,000.00	0.00	346.50	0.00	19,653.50	98
62-01-5016-000 C/O BRINE MACHINE	20,000.00	0.00	26,044.00	0.00	-6,044.00	-30
62-01-5017-000 C/O SALT STORAGE BLDG	0.00	11,564.09	11,564.09	0.00	-11,564.09	0
62-01-7001-000 LPA EQUIPMENT	0.00	0.00	15,985.65	0.00	-15,985.65	0
	<u>377,218.00</u>	<u>31,744.21</u>	<u>237,164.81</u>	<u>93,243.18</u>	<u>46,810.01</u>	<u>12</u>

REGULATORY AUTHORITY AND ENFORCEMENT

Stormwater Services Department

The City of Kings Mountain's Stormwater Services Department has enforcement authority and will issue future stormwater permits within the City. This department will also be responsible for handling stormwater complaints from the public and the City's Street Maintenance Department pertaining to stormwater issues. Actions supported by the City's current ordinances pertaining to stormwater are investigated and documented as either violations or not founded. All stormwater complaints bring an opportunity for public education and awareness. This department will be responsible for these same duties.

The City's Stormwater Services Department also has permitting and enforcement authority for all commercial construction projects in regards to grading and erosion control measures.

Water Resources Department

The Water Resources Department is responsible for the City of Kings Mountain's NPDES Wastewater Discharge Permit, the City's Collection System Permit and all supporting ordinances and policies such as the City's Illicit Discharge Policy. As part of these responsibilities this group regulated sanitary sewer overflows; documents all overflows; and works to ensure that no wastewater is discharged into natural outlets. They also respond to customer complaints and assist in monitoring streams adjacent to their sewer outfalls.

North Carolina Department of Environmental Health and Natural Resources

The NC DEMLR will be responsible for the erosion control for projects of more than one acre. The City of Kings Mountain Erosion Control Ordinance was passed on November 26, 2013, however permits are not issued by the City therefore the contractor will be required to acquire his soil and erosion permit from NC DEMLR. All projects that are less than one acre will be required to obtain a grading permit from the City of Kings Mountain and comply with development erosion control such as silt fencing, gravel construction entrances, etc.

CAPITAL IMPROVEMENTS

The City is currently working to map all of the major outfalls within the primary water sheds. Each watershed will have a priority listing of capital improvements that will need to be made for the remainder of this permit. The City will also be using this Capital Improvement Plan to assist in implementation of the stormwater fee.

2013 Proposed Projects

Location	Description	Est. Total Cost
1013 N Piedmont Avenue	Canopy for Gas and Diesel Pumps	completed
1013 N Piedmont Avenue	Canopy and Renovation of Vehicle Washing Bay	\$ 100,000.00 (not funded)
	Planning Budget for Downtown Parking Lots/Bio retention Designs	\$ 20,000.00 (not funded)

2014 Proposed Projects

Location	Description	Est. Total Cost
1013 N Piedmont Avenue	Canopy and Renovation of Vehicle Washing Bay	\$ 100,000.00 (not funded)
	Planning Budget for Downtown Parking Lots/Bio retention Designs	\$ 20,000.00 (not funded)
1013 N Piedmont Ave	Salt Storage Building Constructed	\$ 25,000.00
1013 N Piedmont Ave	Brine Machine Purchased	\$ 26,044.00
	Mapping Project Bid and Contracted (1/3 annually for 3 years)	\$ 26,073.00

2015 Proposed Projects

1013 N Piedmont Avenue	Canopy and Renovation of Vehicle Washing Bay	\$ 100,000.00
	Planning Budget for Downtown Parking Lots/Bio retention Designs	\$ 20,000.00
1013 N Piedmont Avenue	Storage Shed converted (insulated, for Ram Jet)	\$ 22,000.00
1013 N Piedmont Avenue	Plan, Locate, Design, and Price detention pond for Public Works	\$ 20,000.00
	Mapping Project (1/3 annually) (year 2)	\$ 26,073.00

OPERATIONS AND MAINTENANCE

2012 Accomplishments

In-House Repairs

Location	Description	Total Cost
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2013 Accomplishments

In-House Repairs

Location	Description	Total Cost
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1013 N Piedmont Ave	Canopy over Gas Pumps installed	\$ 17,963.98
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2014 Accomplishments

In-House Repairs

Location	Description	Total Cost
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1013 N Piedmont Ave	Salt Storage Building Constructed	\$ 25,000.00
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1013 N Piedmont Ave	Brine Machine Purchased	\$ 26,044.00
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Mapping Project Bid and Contracted (1/3 annually for 3 years)		\$ 26,073.00
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NPDES STORMWATER PERMIT PMBs 2014 REPORTING

2012 PLAN HIGHLIGHTS

Public Education & Outreach

- Identified target pollutants and the target audience.
- Kicked off the “Clean Water is Everybody’s Business” Campaign the in October / coinciding with the City’s Gateway Festival.

Public Involvement & Participation

- Gave presentation to the rotary Club on how they as citizens may participate in our plan.
- Distributed a stormwater survey to this year’s Gateway Festival visitors to help identify baseline and demographic information and solicited for individuals to become in our program.
- Held our first Public Meeting at the City’s Budget Workshop to discuss the direction of our program.

Illicit Discharge Detection and Elimination

- Work with the Water Resources Department to create a new IDDE policy and implemented a Fats, Oils, and Grease (FOG) Policy. Restaurant and Apartment Complex cooking grease being identified as the major cause of sewage overflows.
- Work on identifying and mapping major outfalls within each watershed.

Construction Site Runoff Controls

- Require that all development projects of more than one acre of disturbed land had the appropriate NCDENR permit for land disturbing activity.
- Monitor construction sites to make sure that all erosion control measures are in place and have not been damaged.
- Investigate erosion concerns from the public and document source and contact the State if necessary.

Post Construction Site Runoff Controls

- Encourage all new development projects to implement onsite BMP’s to eliminate 85% TSS.
- Monitored private BMP’s and made phone calls if they appeared to be operating below design standards.

Pollution Prevention and Good Housekeeping

- Began employee training using RainCheck employee training for MS4s.
- Development of spill prevention policies for City Facilities
- Budgeted for Canopy for gas and diesel pumps

Other

- Established preliminary locations of outfall point locations based on overland flow patterns and best available current inventory mapping.

NPDES STORMWATER PERMIT PMBs 2014 REPORTING

2013 PLAN HIGHLIGHTS

Public Education & Outreach

- Continued to identified target pollutants and the target audience.

Public Involvement & Participation

- Gave presentation to the Life Enrichment Center how they as citizens may participate in our plan.
- Created and enacted an online stormwater survey on the City's web site to determine the level of interest and knowledge about stormwater issues.

Illicit Discharge Detection and Elimination

- Work with the Water Resources Department to implement the IDDE policy and monitor the stormwater system. There were no complaints of illicit discharge this year.
- Continued to work on identifying and mapping major outfalls within each watershed.

Construction Site Runoff Controls

- Require that all development projects which disturbed land had the appropriate KINGS MOUNTAIN STORMWATER MANAGEMENT permit for land disturbing activity.
- Monitor construction sites to make sure that all erosion control measures are in place and have not been damaged.
- Investigate erosion concerns from the public and document source and contact the State if necessary.

Post Construction Site Runoff Controls

- Required all new development projects to implement onsite BMP's to eliminate 85% TSS per the City's Ordinance.
- Monitored private BMP's and made phone calls if they appeared to be operating below design standards.

Pollution Prevention and Good Housekeeping

- Continued employee training.
- Completed development of spill prevention policies for City Facilities
- Completed construction of Canopy for gas and diesel pumps

Other

- Continued working to establish preliminary locations of outfall point locations based on overland flow patterns and best available current inventory mapping.

NPDES STORMWATER PERMIT BMPs 2014 REPORTING

2014 PLAN HIGHLIGHTS

Public Education & Outreach

- Continued to identified target pollutants and the target audience.

Public Involvement & Participation

- Gave presentation to East Elementary School Kindergarten, The Mayor's Breakfast for Commercial & Industrial Customers, and The Gateway Festival attendees, on how they as citizens may participate in our plan.
- Continued the online stormwater survey on the City's web site to determine the level of interest and knowledge about stormwater issues.

Illicit Discharge Detection and Elimination

- Monitor the stormwater system and enforce the IDDE policy.
- There was one unfounded complaint of illicit discharge this year which was investigated.
- Continued to work on identifying and mapping major outfalls within each watershed.

Construction Site Runoff Controls

- Require that all development projects which disturbed land had the appropriate KINGS MOUNTAIN STORMWATER MANAGEMENT permit for land disturbing activity.
- Require that all developments have the appropriate NCDENR permit for land disturbing activity.
- Monitor construction sites to make sure that all erosion control measures are in place and have not been damaged.
- Investigate erosion concerns from the public and document source and contact the State if necessary.

Post Construction Site Runoff Controls

- Require all new development projects to implement onsite BMP's to eliminate 85% TSS per the City's Ordinance.
- Monitor private BMP's and made phone calls if they appeared to be operating below design standards.

Pollution Prevention and Good Housekeeping

- Continued employee training.
- Continued to implement spill prevention policies for City Facilities.

Other

- Continued working to establish preliminary locations of outfall point locations based on overland flow patterns and best available current inventory mapping.

NPDES STORMWATER PERMIT PMBs 2014 REPORTING

PUBLIC EDUCATION AND OUTREACH

BMPs for Public Education and Outreach

The permit holder shall implement the minimum measures no later than 12 months from the date of permit issuance. The following BMPs shall be implemented to meet the objectives of Public Education and Outreach.

1. Goals and Objectives for Public Education and Outreach

- (a) Distribute educational materials to the community
- (b) Conduct outreach activities for civic groups to encourage Public Involvement
- (c) Raise public awareness on the causes and impacts of stormwater pollution
- (d) Inform the public on the steps they can take to prevent or reduce stormwater pollution

BMP	Measurable Goals / Accomplishments YR 1-5
Public Education and Outreach	Define goals and objectives of the Local Public Education and Outreach Program based on community wide issues
YEAR 1 DEC '11 – NOV. 2012	Accomplishments: A stormwater survey was taken at the City of Kings Mountain Gateway Festival to assist in determining the stormwater awareness of participants and their demographic groups. This survey was important to extent that it told just how much knowledge of stormwater pollution or lack thereof that a sample of the public actually has. This survey also told the City how people are likely informed about issues. Thus the Goals and Objectives that are listed above were defined.
YEAR 2 2013	GOALS: Create online survey and monitor Feedback regarding public knowledge of Stormwater issues. Accomplishments: 1. Used “Survey Monkey” to complete online survey and monitor feedback. 2. Created Stormwater Page on City of Kings Mountain Website for public education, awareness, outreach, and information. Created Facebook Page for City of Kings Mountain Stormwater Department. 3. The Stormwater Director held a public meeting at the Kings Mountain Life Enrichment Center to provide information and outreach on Stormwater and Recycling.
YEAR 3 2014	GOALS: Hold additional public meeting. Create (or find) educational materials for distribution to the community. Accomplishments: 1. Found educational materials online at various Stormwater websites. 2. Set up table, distributed educational materials, and displayed a power point presentation at the Mayor’s Appreciation Breakfast for local businesses. 3. Distributed educational materials and spoke to citizens attending the annual Gateway Festival downtown, October 11, 2014 about Stormwater issues and information.
YEAR 4 2015	GOALS: Hold additional public meetings. Work on additional educational materials and visuals for public meetings and events. Participate in Christmas Parade for Public Awareness.
YEAR 5 2016	

NPDES STORMWATER PERMIT PMBs 2014 REPORTING

PUBLIC EDUCATION AND OUTREACH

2. Target Pollutants and/or Stressors and Target Audiences

BMP	Measurable Goals / Accomplishments YR 1-5
Describe target pollutants and target pollutant sources	The permittee shall maintain a description of the target pollutants and/or stressors and likely sources.
YEAR 1 DEC '11 – NOV. 2012	Accomplishments: Identified several target pollutants and stressors along with target audiences. These are presented in greater detail in Appendix A.
YEAR 2 2013	GOALS: Utilize the list of target pollutants to guide educational and outreach efforts. Identify any additional likely pollutants / stressors / and likely sources as demographics change. Accomplishments: Held public meeting to educate the public on pollutant stressors
YEAR 3 2014	Goals: Continue to educate and inform the public. Continue to identify any additional likely pollutants / stressors / and likely sources as demographics change. Accomplishments: Held additional public meetings and monitored the target pollutants.
YEAR 4 2015	Goals: Reduce pollutants from citizens (leaves, grass, auto fluids).
YEAR 5 2016	
Describe target audiences	The permittee shall maintain a description of the target audiences likely to have significant stormwater impacts and why they were selected.
YEAR 1 DEC '11 – NOV. 2012	Accomplishments: Identified several target pollutants and stressors along with target audiences. These are presented in greater detail in Appendix A.
YEAR 2 2013	Goals: Utilize the list of target audiences to make contact and educate them regarding their stormwater impact. Accomplishments: Had booth at Gateway Festival to make contact with Citizens, Had table at the Mayor's Industrial breakfast to make contact with Industrial/Commercial customers.
YEAR 3 2014	Goals: Hold meetings to educate the public about pollutants and their impact on our water. Accomplishments: Made contacts at the Gateway Festival regarding citizen's pollutants and their impact. Met with the kindergarten at East Elementary School and business leaders at the Mayor's Breakfast to help educate the public about pollutants and their impact. Promoted "behind the curb" leaf pickup this year. Educational materials listed in Appendix B
YEAR 4 2015	Goals: Hold additional meetings and participate in the Christmas Parade to promote reduction of Household water pollutants. Hold meetings with Restaurants and Businesses to discuss how they can reduce their environmental footprint.
YEAR 5 2016	

Specific Identified Pollutants and their target audience:

Sediment	Residential and Commercial Building Contractors
Yard Waste	Lawn Care Services and Homeowners
Litter	Entire Community with emphasis on Restaurants
Auto Fluids	Auto Parts Stores for the DIY car enthusiast
Fertilizers	Lawn Care Services and Local Hardware Stores (DIY)
Pet Waste	Park visitors, Pet owners

NPDES STORMWATER PERMIT PMBs 2014 REPORTING

PUBLIC EDUCATION AND OUTREACH

3. Residential and Industrial/Commercial Issues

BMP	Measurable Goals / Accomplishments YR 1-5
Describe residential and industrial/commercial issues	The permittee shall describe issues, such as pollutants, likely sources of those pollutants, impacts, and the physical attributes of the stormwater runoff, in their education/outreach program.
YEAR 1 DEC '11 – NOV. 2012	Accomplishments: Through meetings with the Stormwater Advisory Panel, it was determined that sediment from construction sites was our number one pollutant. Standards were implemented in order to ensure that every development followed specific steps in order to prevent sediment from entering the City's storm water system.
YEAR 2 2013	Goals: Implement a local Soil and Erosion Control Ordinance. Accomplishments: Council Approval and beginning Implementation of Phase II Stormwater Ordinance and Soil Erosion and Sedimentation Control Ordinance
YEAR 3 2014	Goals: Continue implementation of Ordinances and Continue education/outreach program. Accomplishments: Have had contact with several new businesses coming to town regarding Stormwater issues and BMPs. Answered calls from residents regarding stormwater issues.
YEAR 4 2015	Goals: Continue to help Businesses maintain their BMPs
YEAR 5 2016	

4. Informational Web Site

BMP	Measurable Goals / Accomplishments YR 1-5
Informational Web Site	The permittee shall promote and maintain an internet web site designed to convey the program's message.
YEAR 1 DEC '11 – NOV. 2012	Accomplishments: The City launched a new page on the City's Web site at www.cityofkm.com . This page is dedicated to stormwater issues and the City' "Clean Water is Everybody's Business" campaign.
YEAR 2 2013	Goals: To continue to maintain the web page site and research the potential of developing a Facebook page and/or using other Social Media to further get the message out. Accomplishments: Added contact information to the web page along with a stormwater survey to get feedback on citizens' knowledge of stormwater issues and their demographics. Posting of 2013 Annual report to the web site.
YEAR 3 2014	Goals: To continue to maintain the web page site and research the potential of developing a Facebook page and/or using other Social Media to further get the message out. Accomplishments: Set up a direct email address stormwater@cityofkm.com for citizens to ask questions or report problems without knowing a person to contact. This email is directed to all the management team members of the stormwater department simultaneously. Were advised that we needed to use the City Facebook page which is dominated by the Library daily information.
YEAR 4 2015	Goals: Create Stormwater Facebook Page (separate from the City Page) and explore other avenues of contact and promotion with citizens.
YEAR 5 2016	

NPDES STORMWATER PERMIT PMBs 2014 REPORTING

PUBLIC EDUCATION AND OUTREACH

5. Distribute Public Education Materials to identified target audiences and user groups.

BMP	Measurable Goals / Accomplishments YRS. 1-5
Distribute public education materials to identified target audiences and user groups.	The permittee shall distribute stormwater educational material to appropriate target groups. Instead of developing its own materials, the permittee may rely on Public Education and Outreach materials supplied by the state, and/or other entities through a cooperative agreement, as available, when implementing its own program.
YEAR 1 DEC '11 – NOV. 2012	Accomplishments: Launched an Educational Program “Clean Water is Everybody’s Business” to begin the education of the targeted audiences. The kick-off event was held for one week at City Hall with an informational display and educational materials. Appendix B details the materials.
YEAR 2 2013	Goals: To continue to develop materials for our Educational and Outreach Program. The emphases will be on schools and target certain age groups. Accomplishments: Put educational information on the City of KM / Stormwater Web Site. Held meeting at the Life Enrichment Center to help educate Seniors and employees about what their responsibilities are in our stormwater system.
YEAR 3 2014	Goals: Develop educational and outreach materials and attend meetings to promote Stormwater issues. Accomplishments: Attended Meeting at East School Kindergarten, the Mayors Commercial/Industrial Breakfast, and Gateway Festival. Found and used educational and informational materials to promote environmentally friendly solutions to keep pollutants out of the stormwater system. Materials are shown in Appendix B
YEAR 4 2015	Goals: Have stormwater info on TV in Lobby of City Hall, do inserts for bills and newspaper articles w/helpful information about litter, pollution, etc. Accomplishments:
YEAR 5 2016	

NPDES STORMWATER PERMIT PMBs 2014 REPORTING

PUBLIC EDUCATION AND OUTREACH

6. Hotline/Help Line

BMP	Measurable Goals / Accomplishments YRS. 1-5
Maintain Hotline/Help Line	The permittee shall promote and maintain a stormwater hotline/help line for the purpose of education and outreach.
YEAR 1 DEC '11 – NOV. 2012	Accomplishments: The City’s Codes and Engineering Standards department fielded all complaint calls for the City. This number is 704-734-4599 and is listed for complaints. Numerous calls were fielded and information was given concerning stormwater issues.
YEAR 2 2013	Goals: The City will have an email hotline/help line specifically for stormwater issues while continuing to maintain the complaint hotline/help line. Accomplishments: The City’s Public Works Department fielded all complaint calls for the City. This number is 704-734-0735 or 704-734-4501 and is listed on the City of Kings Mountain’s Web Site on the Public Works Page and a Stormwater page which was added to the website www.cityofkm.com . An email address specifically for stormwater stormwater@cityofkm.com was also added. Numerous calls were fielded regarding stormwater ditches and storm drain issues, these complaints were checked and information given concerning stormwater issues.
YEAR 3 2014	Goals: To continue to maintain the web page site and research the potential of developing a Facebook page and/or using other Social Media to further get the message out. Accomplishments: Set up a direct email address stormwater@cityofkm.com for citizens to ask questions or report problems without knowing a person to contact. This email is directed to all the management team members of the stormwater department simultaneously. Were advised that we needed to use the City Facebook page which is dominated by the Library daily information
YEAR 4 2015	Goals: Maintain email and web page with current and up to date information and tips. Develop a separate Facebook Page for Stormwater Department. Accomplishments:
YEAR 5 2016	

NPDES STORMWATER PERMIT PMBs 2014 REPORTING

PUBLIC EDUCATION AND OUTREACH

7. Implement a Public Education and Outreach Program.

BMP	Measurable Goals / Accomplishments YRS. 1-5
Implement a Public Education and Outreach Program	The permittee’s outreach program, including those implemented locally or through a cooperative agreement, shall include a combination of approaches designed to reach target audiences. For each media, event or activity, including those elements implemented locally or through a cooperative agreement the permittee shall estimate and record the extent of exposure.
YEAR 1 DEC ’11 – NOV. 2012	Accomplishments: The City launched their program called “Clean Water is Everybody’s Business”. This program targets pollutants and their target audiences and includes educational materials, giveaways and media print for each activity and pollutant.
YEAR 2 thru NOV. 2013	Goals: The City will continue to expand their program and record the extent of exposure. Accomplishments: Attended the Mayor’s Commercial/Industrial Breakfast, & Gateway Festival.
YEAR 3 THRU NOV. 2014	Goals: Web page development, public meetings, Accomplishments: Developed a separate Stormwater Department Web Page on the City of Kings Mountain website. Attended public meetings to promote stormwater pollutant reduction/elimination and to answer questions about Stormwater issues. The Mayor’s Industrial/Commercial Breakfast, and The Gateway Festival. The average hits to the Stormwater page is 110 per month over the last 10 months.
YEAR 4 THRU NOV. 2015	Goals: Add additional Public Meetings to the Gateway Festival and Mayor’s Breakfast. Begin Drain Marking Program with Public involvement. Begin stream cleaning program w/”Adopt-a-Stream” public involvement. Do newspaper and mail articles with pollutant reduction and environmentally friendly measure recommendations.
YEAR 5 THRU NOV. 2016	

PUBLIC INVOLVEMENT AND PARTICIPATION

BMPs for Public Involvement and Participation

The permittee shall implement the following BMPs to meet the objectives of the Public Involvement and Participation Program within the schedule submitted on the Permittee’s application so that the Permittee fully implements its permitted program within five years from permit issuance and shall notify the Division prior to modification of any goals.

1. **Public Hearing/Meetings**

- (a) Comply with State and local public notice requirements when implementing a public involvement and participation program.

BMP	Measurable Goals / Accomplishments YRS. 1-5
Allow the public an opportunity to review and comment on the Stormwater Plan	The permittee shall conduct at least one public meeting during the term of the permit to allow the public an opportunity to review and comment on the Stormwater Plan.
YEAR 1 DEC '11 – NOV. 2012	Accomplishments: The city held a Public Hearing on August 26 th 2008 to gain public input on the City’s Stormwater Application and Narrative, which included BMP’s for each minimum measure. Citizens were given the opportunity to speak on the application and proposed BMPs. The public hearing was advertised in the local newspaper for two successive weeks prior to the meeting. No one spoke or commented at the hearing. The Stormwater Advisory committee met monthly prior to this meeting with members of our targeted audiences to develop the BMPs listed in the application.
YEAR 2 2013	Goals: Develop a new Stormwater Ordinance and hold a public hearing for comment and discussion. Use the Advisory committee to assist in development of this ordinance. Accomplishments: The Phase II Stormwater Ordinance was passed following a public hearing held November 26, 2013. The Soil Erosion and Sedimentation Control Ordinance was also passed on this date.
YEAR 3 2014	Goals: Additional Public Meetings. Accomplishments: Implemented “behind the curb” leaf pickup and requested public participation by mailers and newspaper announcements.
YEAR 4 2015	Goals: Further promote public participation in the “Behind the Curb” Leaf pickup with additional newspaper articles and mailer information. Suggest bagged leaves as a quicker turn around solution for leaf pick-up. Contact lawn care companies working in town with “behind the curb” information. Hold public meeting if response merits it. Use the current Stormwater survey in the utility bill and reference that it is available online. Re-establish a Stormwater Advisory Committee with the backgrounds noted below. Accomplishments:
YEAR 5 2016	

Stormwater Advisory Committee Backgrounds:

- Civil Engineer
- Attorney/Golf Club Board Member
- Lawn Care Service Provider
- School System Grounds and Maintenance Director
- City Public Works Director

PUBLIC INVOLVEMENT AND PARTICIPATION

2. Volunteer Programs

BMP	Measurable Goals / Accomplishments YRS. 1-5
Volunteer community involvement program	The permittee shall include and promote volunteer opportunities designed to promote ongoing citizen participation
YEAR 1 DEC '11 – NOV. 2012	Accomplishments: Stenciled roughly 10% of the City’s storm drains with “Drains to Creek”. Sent letters to homeowners associations to ask that they do the same for private drainage systems within the jurisdiction.
YEAR 2 2013	Goals: Require that all new storm drains be permanently stamped with “Drains to Creek” or “Drains to Waterway”. Prepare additional programs for Volunteers. Set up meetings with the Keep Kings Mountain Beautiful Group to organize a Spring Clean-up event. Begin preparations for “Adopt-a-Stream” program. Identify watersheds and get signage in place where streams and streets are in close proximity. Accomplishments: Purchased and placed signage where streams and streets are in close proximity. Organized a spring clean-up of streets, stream banks, and ditches.
YEAR 3 2014	Goals: Implement Drain Marking Program Accomplishments: Researched Drain Marking Program and got forms and plans ready to institute drain marking program. Ordered Drain Markers to have citizens install on drains. Example noted in Appendix B.
YEAR 4 2015	Goals: Begin drain marking program and “adopt-a-stream” program. Mail letters to Homeowners associations to ask them to mark all private drains within the jurisdiction that are not already marked. Offer to include them in the drain marking program participation. Accomplishments:
YEAR 5 2016	

PUBLIC INVOLVEMENT AND PARTICIPATION

3. Mechanism for Public Involvement

BMP	Measurable Goals / Accomplishments YRS. 1-5
Mechanism for Public Involvement	The permittee shall provide and promote a mechanism for public involvement that provides for input on stormwater issues and the stormwater program.
YEAR 1 DEC '11 – NOV. 2012	Accomplishments: Conducted a Citizen Survey and gave out ball caps for each survey submitted with the “Clean Water is Everybody’s Business” Logo. Each survey gave the participant an opportunity to sign up with their contact information to learn more about upcoming volunteer programs.
YEAR 2 2013	Goals: Set up an email address stormwater@cityofkm.com where citizens may email and request information, file a complaint or report illicit discharge. Look into social media for additional ways to connect with volunteers. Meet with Civic groups to see how they would like to participate in our program. Accomplishments: Created an email address for stormwater information requests, reports, and questions. Created a stormwater Facebook page to provide information to the public about the stormwater program.
YEAR 3 2014	Goals: Monitor the above listed email address and respond to any questions, issues, or complaints reported. Accomplishments: took comments and questions about stormwater issues via the stormwater@cityofkm.com email address. Kept the Stormwater web page up to date with information about seasonal issues.
YEAR 4 2015	Goals: Continue to monitor the email and keep the stormwater web page up to date. Create a Stormwater Facebook page to provide further stormwater information to the target audience that would be more likely to use that medium. Accomplishments:
YEAR 5 2016	

PUBLIC INVOLVEMENT AND PARTICIPATION

4. Hotline/Help Line

BMP	Measurable Goals / Accomplishments YRS. 1-5
Maintain Hotline/Help Line	The permittee shall promote and maintain a stormwater hotline/help line for the purpose of public involvement and participation.
YEAR 1 DEC '11 – NOV. 2012	Accomplishments: The City's Codes and Engineering Standards department fielded all complaint calls for the City. This number is 704-734-4599 and is listed for complaints. Numerous calls were fielded and information was given concerning stormwater issues.
YEAR 2 2013	Goals: The City will have an email hotline/help line specifically for stormwater issues while continuing to maintain the complaint hotline/help line. Accomplishments: The City's Public Works Department fielded all complaint calls for the City. This number is 704-734-0735 or 704-734-4501 and is listed on the City of Kings Mountain's Web Site on the Public Works Page and a Stormwater page which was added to the website www.cityofkm.com . An email address specifically for stormwater stormwater@cityofkm.com was also added. Numerous calls were fielded regarding stormwater ditches and storm drain issues, these complaints were checked and information given concerning stormwater issues.
YEAR 3 2014	Goals: To continue to maintain the web page site and research the potential of developing a Facebook page and/or using other Social Media to further provide an option for public participation. Accomplishments: Maintain Stormwater Web Page in the City of Kings Mountain Web Site by keeping the information up to date and providing information about seasonal issues.
YEAR 4 2015	Goals: Get more seasonal information on the Stormwater web page and create a separate Kings Mountain Stormwater Facebook page with lots of information about stormwater issues and seasonal information aimed at users most likely to use the Facebook medium for information and contact. Accomplishments:
YEAR 5 2016	

ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

1. Objectives for Illicit Discharge Detection and Elimination

- (a) Implement and enforce a program to detect and eliminate illicit discharges in the MS4.
- (b) Maintain a storm sewer system map, showing the location of all major outfalls and the names and locations of all waters of the United States that receive discharges from those outfalls;
- (c) Prohibit, through ordinance, or other regulatory mechanism, non-storm water discharges except as allowed in this permit and implement appropriate enforcement procedures and actions.
- (d) Implement a plan to detect and address non-storm water discharges, including illegal dumping, to the MS4.
- (e) Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste.
- (f) Address the following categories of non-storm water discharges or flows (i.e., illicit discharges) only if you identify them as significant contributors of pollutants to the MS4: water line flushing , landscape irrigation, diverted stream flows, rising ground waters, uncontaminated ground water infiltration, uncontaminated pumped ground water, discharges from potable water sources, foundation drains, air conditioning condensation, individual residential car washing, flows from riparian habitats and wetlands, de-chlorinated swimming pool discharges, and street wash water (discharges or flows from firefighting activities are excluded from the effective prohibition against non-storm water and need only be addressed where they are identified as significant sources of pollutants to waters of the United States.

2. BMPs for Illicit Discharge Detection and Elimination

The permittee shall implement the following BMPs to meet the objectives of the Illicit Discharge Detection and Elimination Program within the schedule submitted on the Permittee's application so that the Permittee fully implements its permitted program within five years from permit issuance and shall notify the division prior to modification of any goals.

ILLCIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

3. Legal Authority

BMP	Measurable Goals / Accomplishments YRS. 1-5
Maintain adequate legal authorities	The permittee shall annually review the permittee’s IDDE ordinances or other regulatory mechanisms, or adopt any new ordinances or other regulatory mechanisms that provide the permittee with the adequate legal authority to prohibit illicit connections and discharges and enforce the approved IDDE Program.
YEAR 1 DEC ’11 – NOV. 2012	<p>Accomplishments: Stormwater Services works closely with the City’s Water Resources Department. It was determined that one of our biggest concerns of illicit discharge was sewer back-up and overflow due to grease. The City developed a Fats, Oils and Grease Program (FOG), this program required that restaurants that were identified as having documented grease problems would have to install proper grease interceptors if none were found to be in place and/or increase their pumping and supply the City with a copy of this contract. The City’s Sewer Use Ordinance gives both, the Water Resources Department as well as the Codes and Engineering Department authority to enforce this ordinance.</p> <p>Litter and the accumulation of junk is another identified source of illicit discharge. Currently the City’s Community Appearance Standard regulates and gives authority to the Codes and Engineering department to abate the accumulation of junk as well as disposal of auto fluids into the City’ Storm Sewer.</p>
YEAR 2 2013	<p>Goals: The City will continue to be aggressive in identifying sources of illicit discharge and amend our ordinances appropriately to address any newly significant discharges.</p> <p>Accomplishments: The City continues to be aggressive in identifying sources of illicit discharge. The City has begun to review the current IDDE Program.</p>
YEAR 3 2014	<p>Goals: Review IDDE and other regulatory mechanisms to insure the Stormwater Department has authority to address significant discharge issues. Accomplishments: Reviewed our Stormwater Ordinance which grants us authority to address significant discharge issues.</p>
YEAR 4 2015	<p>Goals: Continue to aggressively identify sources of illicit discharge address significant discharge issues.</p>
YEAR 5 2016	

ILLCIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

4. Storm Sewer System Base Map of Major Outfalls and Testing

BMP	Measurable Goals / Accomplishments YRS. 1-5
Maintain a Storm Sewer System Base Map of Major Outfalls	The permittee shall maintain a current map showing major outfalls and receiving streams.
Detect dry weather flows	The permittee shall develop and implement a program for conducting dry weather flow field observations in accordance with a written procedure for detecting and removing sources of illicit discharges.
YEAR 1 DEC '11 – NOV. 2012	Accomplishments: The City has identified a minimum of 10% of our major outfalls into receiving streams. Major pollutants at this time are sediment, litter, and yard waste. The City has determined that after a 72 hour dry period the major pollutants are sediment and auto fluid from roadways and parking lots. It has not been shown that during these periods we are having problems with illegal discharges such as direct runoff or contamination. At this time restaurant grease is the largest culprit when it comes to creating a hazardous illicit discharge and the City has a mechanism of authority in place to abate these issues.
YEAR 2 2013	Goals: Continue mapping of outfalls into receiving streams until they have all been identified. Begin chemical testing of major outfalls to determine if in fact there are any additional significant illicit discharges that have not been readily identified. Accomplishments: The mapping process has begun with contours and blue line stream mapping.
YEAR 3 2014	Goals: Continue mapping of outfalls and receiving streams until they have all been identified. Begin mapping project to create database map of stormwater system. Accomplishments: Contracted with Joel Wood Engineering to begin 3-year mapping project to create database updatable map of the City Stormwater System
YEAR 4 2015	Goals: Continue the mapping system project. Continue identifying and mapping outfalls and streams. Look into purchase of testing devices or create contacts with testing labs.
YEAR 5 2016	

ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

5. Intake, Investigate, Document and Abate Identified Illicit Discharges

BMP	Measurable Goals / Accomplishments YRS. 1-5
Investigations into the source of all identified illicit discharges.	The permittee shall maintain, and evaluate annually, written procedures for conducting investigations of identified illicit discharges.
Track investigation and document illicit discharges	The permittee shall track all investigations and document the date(s) the illicit discharge was observed; the results of the investigation; any follow-up of the investigation; and the date the investigation was closed.
Public reporting mechanism	The permittee shall promote, publicize, and facilitate a reporting mechanism for the public and staff to report illicit discharges and establish and implement citizen request response procedures.
Enforcement	The permittee shall implement a mechanism to track the issuance of notices of violation and enforcement actions as administered by the permittee. This mechanism shall include the ability to identify chronic violators for initiation of actions to reduce noncompliance.
YEAR 1 DEC '11 – NOV. 2012	NOTHING REQUIRED
YEAR 2 2013	Goals: Establish SOP for permitting, record keeping, and enforcement. Create and pass the Stormwater Ordinance. Accomplishments: Have created a filing process to address violations and enforcement actions. Stormwater Ordinance was passed by City Council following a public hearing on November 26 th , 2013.
YEAR 3 2014	Goals: Continue to address and track violation and enforcement actions. Accomplishments: There were no recorded reports of illicit discharge this year.
YEAR 4 2015	Goals: Continue to monitor for illicit discharge and maintain the SOP for tracking, record keeping and enforcement. Review SOP for record keeping and enforcement.
YEAR 5 2016	

ILLCIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

6. Employee Training

BMP	Measurable Goals / Accomplishments YRS. 1-5
Employee Training	The permittee shall implement and document a training program for appropriate municipal staff who as part of their normal job responsibilities, may come into contact with or otherwise observe an illicit discharge or illicit connection to the storm sewer.
YEAR 1 DEC '11 – NOV. 2012	Accomplishments: General training for the codes and the Sewer Departments has taken place. A more intense program for training is being developed for other employees such as street maintenance, sanitation, and police.
YEAR 2 2013	Goals: Develop an employee training program for each area that is relative to their daily interactions with the public and their daily routine in the City. Accomplishments: Did some training with employees relative to their daily interactions with the public.
YEAR 3 2014	Goals: Develop an employee training program for each Department that is relative to their daily interactions with the public and their daily routine in the City in regards to their environmental footprint especially in regards to stormwater. Accomplishments: Did some additional training with Stormwater employees. The Garage assisted us in beginning spill response protocols. Touched base with the Sanitation and Street Departments regarding daily vehicle monitoring for auto fluid contamination of the environment.
YEAR 4 2015	Goals: Develop an employee training program for each Department that is relative to their daily interactions with the public and their daily routine in the City with regards to their environmental footprint. Especially spill prevention and monitoring. Accomplishments:
YEAR 5 2016	

ILLCIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

7. Public Education

BMP	Measurable Goals / Accomplishments YRS. 1-5
Provide Public Education	The permittee shall inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste.
YEAR 1 DEC '11 – NOV. 2012	Accomplishments: Since 2009 the City of Kings Mountain has been informing our employees, businesses and the community about our expected stormwater permit. The City started a single sort curbside recycling program which has over 70% participation. The county has adopted a tarp requirement for all vehicles transporting trash to their disposal sites. All trucks hauling dirt, stone, etc., are required by ordinance to cover their loads prior to entering the City or leaving their site of business. Both of the recycling businesses in town have received their NPDES Phase II permits and have made major changes to improving and securing their sites.
YEAR 2 2013	Goals: The City will begin to target specific businesses and employees as will be outlined in the Stormwater Administrator’s SOP Manual. Accomplishments: Participated in a litter sweep to exemplify the program of keeping our streets litter free. Continued to monitor the local businesses for illicit discharge, litter, and recycling routines.
YEAR 3 2014	Goals: Continue to promote recycling and monitor our local businesses and residential neighborhoods for litter and discharges. Accomplishments: Attended two public events to promote recycling and stormwater issues with businesses and the public.
YEAR 4 2015	Goals: Hold meetings to further promote recycling, litter reduction, and environmental footprint reduction.
YEAR 5 2016	

CONSTRUCTION SITE RUNOFF CONTROLS

1. Pursuant to 40CFR 122.35 (b) and the maximum extent practicable (MEP) standard, the permittee may rely on the NCDENR Division of Land Resources (DLR) Sediment and Erosion Control Program to comply with this minimum measure. The NCDENR Division of Land Resources Sediment and Erosion Control Program effectively meets the MEP standard for Construction Site Runoff controls by permitting and controlling development activities disturbing one or more acres of land surface and those activities less than one acre that are part of a larger common plan of development as authorized under the Sediment Pollution Control Act of 1973 and Chapter 4 of Title 15A of the North Carolina Administrative Code. The NCDENHR Division of Land Resources (DLR) Sediment and Erosion control Program continues to be monitored by the EPA to ensure the State effectively meets the MEP standard established by the Sediment Pollution Control Act of 1973 and Chapter 4 of Title 15A of the North Carolina Administrative Code.
2. The NCG010000 permit establishes requirements for construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter and sanitary waste at the construction site that may cause adverse impacts to water quality.
3. The permittee shall provide and promote a means for the public to notify the appropriate authorities of observed erosion and sedimentation problems. The permittee may implement a plan promoting the existence of NCDENHR, Division of Land Resources “Stop Mud” hotline to meet the requirements of this paragraph.

YEAR 1 DEC '11 – NOV. 2012	Accomplishments: The permittee relies on NCDENR (DLR) to comply with these minimum measures. No development permits are issued by the Codes and Engineering Department without the applicant first providing their NCDENR (DLS) permit. The City Codes Enforcement Inspectors are trained to recognize issues with improper silt fencing, proper sanitary waste, and litter at construction sites.
YEAR 2 2013	Goals: Continue to utilize the NCDENR, add the “Stop Mud” hotline to our website and do a utility billing mailer to our utility customers informing them of the “Stop Mud” hotline. Accomplishments: Added the “Stop Mud” hotline to the website. The permittee relies on NCDENR (DLR) to comply with these minimum measures. No development permits are issued by the City Stormwater Department without the applicant first providing their NCDENR (DLS) permit. The City Stormwater Department Employees are trained to recognize issues with improper silt fencing, proper sanitary waste, and litter at construction sites.
YEAR 3 2014	Goals: Continue to utilize the NCDENR, and do a utility billing mailer to our utility customers informing them of the “Stop Mud” hotline. Accomplishments: The permittee relies on NCDENR (DLR) to comply with these minimum measures. No development permits are issued by the City Stormwater Department without the applicant first providing their NCDENR (DLS) permit. The City Stormwater Department Employees are trained to recognize issues with improper silt fencing, proper sanitary waste, and litter at construction sites.
YEAR 4 2015	Goals: Continue to utilize the NCDENR, and do a utility billing mailer to our utility customers informing them of the “Stop Mud” hotline.
YEAR 5 2016	

POST-CONSTRUCTION SITE RUNOFF CONTROLS

1. Objectives for Post-Construction Site Runoff Controls

- a. Implement and enforce a program to address stormwater runoff from new development and redevelopment projects that discharges into the small MS4. The program shall ensure that controls are in place that would prevent or minimize water quality impacts.
- b. Implement strategies which include a combination of structural and/or non-structural best management practices (BMPs) appropriate for the community;
- c. Use an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects; and
- d. Ensure adequate long-term operation and maintenance of BMPs.

2. BMPs for Post-Construction Site Runoff Controls

The Permittee shall implement its post-construction program no later than 24 months from the date the permit is issued. The permittee shall implement the following BMP to meet the objectives of the Post-Construction Stormwater Management Program.

BMP	MEASUREABLE GOALS
(a) Adequate legal authorities	Maintain through an ordinance, or other regulatory mechanism, adequate legal authorities to meet the objectives of the Post-Construction Site Runoff Controls Stormwater Management Program.
	The permittee shall have the authority to review designs and proposals for new development and redevelopment to determine whether adequate stormwater control measures will be installed, implemented, and maintained.
	The permittee shall have the authority to request information such as stormwater plans, inspection reports, monitoring results, and other information deemed necessary to evaluate compliance with the Post-Construction Stormwater Management Program.
	The permittee shall have the authority to enter private property for the purpose of inspecting at reasonable times and facilities, equipment, practices, or operations related to stormwater compliance with the Post-Construction Stormwater Management Program.
	Proposed Objectives
YEAR 1 DEC '11 – NOV. 2012	NOTHING REQUIRED
YEAR 2 2013	Accomplishments: A public hearing was held on Tuesday, November 26 during which time the public was given the opportunity to comment on the ordinance prior to the Council Meeting. The Stormwater Ordinance was passed at City Council Meeting on November 26, 2013. The Soil Erosion and Sedimentation Control Ordinance was passed by City Council on November 26, 2013.
YEAR 3 2014	Goals: Issue permits and enforce the Stormwater Ordinance Accomplishments: Reviewed plans for 5 businesses. Issued two (2) stormwater permits for new construction. Contacted two businesses to maintenance retention ponds that were out of code. Codes department is advising when a building permit is issued.
YEAR 4 2015	Goals: Continue to issue permits and enforce the Stormwater Ordinance. Make better arrangements with Codes to advise when building permits are requested.
YEAR 5 2016	

POST-CONSTRUCTION SITE RUNOFF CONTROLS

3. Strategies Appropriate for the MS4

BMP	Measurable Goals
(b) Strategies which include BMPs appropriate for the MS4	The permittee shall adopt the DWQ BMP Design Manual or certify that the local BMP Design Manual meets or exceeds the requirements in the DWQ BMP Design Manual.
YEAR 1 DEC '11 – NOV. 2012	NOTHING REQUIRED
YEAR 2 2013	Accomplishments: A public hearing was held on Tuesday, November 26 during which time the public was given the opportunity to comment on the ordinance prior to the Council Meeting. The Stormwater Ordinance was passed at City Council Meeting on November 26, 2013. The Soil Erosion and Sedimentation Control Ordinance was passed by City Council on November 26, 2013.
YEAR 3 2014	Goals: Issue permits and enforce the Stormwater Ordinance Accomplishments: Reviewed plans for 5 businesses. Issued two (2) stormwater permits for new construction. Contacted two businesses to maintenance retention ponds that were out of code.
YEAR 4 2015	Goals: Continue to issue permits and review plans and enforce the Stormwater Ordinance. Continue to check on existing businesses BMPs.
YEAR 5 2016	

4. Plan Reviews

BMP	Measurable Goals
(c) Plan Reviews	The permittee shall conduct site plan reviews of all new development and redevelopment sites. The site plan review shall address how the project applicant meets the performance standards and how the project will ensure long-term maintenance.
(d) Deed Restrictions and Protective Covenants	The permittee shall provide mechanisms such as recorded deed restrictions and protective covenants that ensure development activities will maintain the project consistent with the approved plans.
YEAR 1	NOTHING REQUIRED
YEAR 2 2013	Accomplishments: The permittee has one Stormwater staff member that is certified in plan review for this minimum measure. The permittee has an additional staff member that is certified in plan review.
YEAR 3 2014	Goals: Look at sending additional staff for certification in plan review, should the project load begin to justify such cost. All development projects will follow approved plans; deviation from the plan shall constitute a violation. Accomplishments: Reviewed plans for 5 businesses. Issued two (2) stormwater permits for new construction. Contacted two businesses to maintenance retention ponds that were out of code.
YEAR 4 2015	Goals: Determine how the applicant plans to meet long term performance and maintenance standards. Continue to review plans, issue permits, and inspect BMPs. Set up to follow new SL 2014-120 Section 29. Continue to find additional training for employees in plan review and BMP maintenance.
YEAR 5 2016	

POST-CONSTRUCTION SITE RUNOFF CONTROLS

5. Inventory, O & M, Inspections and Enforcement of Structural BMPs

BMP	Measurable Goals
(d) Inventory of projects with post-construction structural stormwater control measures	The permittee shall maintain an inventory of projects with post-construction stormwater control measures installed and implemented in the new development and redeveloped sites, including both public and private sector sites located within the permittee's corporate limits that are covered by its post-construction ordinance requirements.
(f) Provide a mechanism to require long-term operation and maintenance of structural BMPs	The permittee shall implement or require an operation and maintenance plan for the long-term operation of the structural BMPs required by this program. The operation and maintenance plan shall require the owner of each structural BMP to perform and maintain a record of annual inspections of each structural BMP. Annual inspection of permitted structural BMPs shall be performed by qualified personnel.
(g) Inspections	To ensure that all stormwater control measures meet the permittee's performance standards and are being maintained pursuant to the maintenance agreement, the permittee shall develop and implement a written inspection program for structural stormwater controls installed pursuant to the permittee's post-construction program. The permittee shall document and maintain records of inspections, findings, and enforcement actions and make them available for review by the permitting authority.
(i) Enforcement	The permittee shall track the issuance of notices of violation and enforcement actions. This mechanism shall include the ability to identify chronic violators for initiation of actions to reduce noncompliance.
YEAR 1	NOTHING REQUIRED
YEAR 2 2013	Accomplishments: The permittee passed its Stormwater Ordinance and Soil Erosion and Sedimentation Control Ordinance on November 26, 2013. The permittee has begun an inventory of projects with post-construction stormwater control measures, and will begin inspections and enforcement of these projects.
YEAR 3 2014	Goals: Develop an Inventory Spreadsheet of structural BMPs that will track permits, inspections, violations and any other enforcement information that may be necessary to meet these minimum measures. Accomplishments: Started a Spreadsheet of structural BMPs that will track permits, inspections, violations and any other enforcement information that may be necessary to meet these minimum measures.
YEAR 4 2015	Goals: Maintain the Spreadsheet of structural BMPs listed above. Require an operation and maintenance plan for the long-term operations of structural BMPs. Continue training for employees on plan review and BMP inspection. Develop and implement a written inspection program for structural stormwater controls installed.
YEAR 5 2016	

POST-CONSTRUCTION SITE RUNOFF CONTROLS

6. Educational Materials and Training for Developers

(h) Educational materials and training for developers	The permittee shall make available through paper or electronic means, ordinances, post-construction requirements, design standards checklist, and other materials appropriate for developers. New materials may be developed by the permittee, or the permittee may use materials adopted from other programs and adapted to the permittee's new development and redevelopment program.
YEAR 1	NOTHING REQUIRED
YEAR 2 2013	Accomplishments: The permittee has developed a Stormwater page attached to the City website and linked also to a Facebook page for the City which will provide copies of the ordinances, and other materials.
YEAR 3 2014	Goals: To further develop the web-page and Facebook page links with additional information and materials. To have paper forms available for developers who require those. The permittee will be looking at special workshops for developers and/or builders to attend as possible prerequisites to working within the jurisdiction. The permittee will further develop its webpage and Facebook page to assist the developers and/or builders as much as possible to meet and exceed the post-construction requirements. Accomplishments: Ordinances and post construction requirements etc. are available on the City of Kings Mountain web-site on the Stormwater Page. Paper copies are available from the Stormwater office.
YEAR 4 2015	Goals: To further develop the web-page and Facebook page links with additional information and materials. To develop new materials to help the communications between this permittee and the developers.
YEAR 5 2016	

POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

1. Objectives for Pollution Prevention and good Housekeeping for Municipal Operations

- a. Develop and implement an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations.
- b. Provide employee training to prevent and reduce stormwater pollution from activities such as park and open space maintenance and stormwater system maintenance.

2. BMPs for the Pollution Prevention and Good Housekeeping for Municipal Operations

The permittee shall implement the following BMPs to meet the objectives of the Pollution Prevention and Good Housekeeping Program within the schedule submitted on the permittee’s application so that the permittee fully implements its permitted program within five years from the permit issuance and shall notify the Division prior to modification of any goals.

3. Inventory and O & M for Municipally Owned Facilities

(a) Inventory of municipally owned or operated facilities	The permittee shall maintain a current inventory of facilities and operations owned and operated by the permittee with the potential for generating polluted stormwater runoff.
(b) Operation and Maintenance (O & M) for municipally owned or operated facilities	The permittee shall maintain and implement, evaluate annually and update as necessary an O & M program for municipal owned and operated facilities with the potential for generating polluted stormwater runoff. The O & M program shall specify the frequency of inspections and routine maintenance requirements.
YEAR 1	NOTHING REQUIRED
YEAR 2 2013	Accomplishments: The permittee has an inventory of all facilities and operations. The following are those facilities that have the most potential for stormwater pollution: Citizen Service Center; Sewer Pump Stations; Jake Early Park; Municipal Parking Facility Downtown.
YEAR 3 2014	Goals: The permittee is working on an O & M program for pollution prevention and housekeeping for each of these facilities. Accomplishments: The permittee has developed an inventory of facilities and operations owned and operated by the permittee with the potential for generating polluted stormwater runoff. We are working on an O & M program for pollution prevention and housekeeping for each of these facilities.
YEAR 4 2015	Goals: Complete the O & M program for the municipal owned and operated facilities, including the frequency of inspections and routine maintenance requirements. Complete detention pond for Public Works and the downtown municipal parking lots. Complete BMP for roof water runoff at P/W.
YEAR 5 2016	

POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

4. Spill Response Procedures

(c) Spill Response Procedures	The permittee shall have written spill response procedures for municipally owned or operated facilities.
YEAR 1	NOTHING REQUIRED
YEAR 2 2013	Accomplishments: The permittee has developed spill response procedures for both activities and facilities that have the potential to cause pollution to enter the stormwater system. Each procedural document is located within the area of concern and employees have been trained on how to use the document.
YEAR 3 2014	Goals: The permittee will continue to train employees, monitor, and update our spill response procedures as facilities grow and/or processes change. Accomplishments: We have continued to train our employees regarding spill prevention and response procedures. Have maintained a written spill response procedure.
YEAR 4 2015	Goals: The permittee will continue to train employees, monitor, and update our spill response procedures as facilities grow and/or processes change.
YEAR 5 2016	

POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

5. Streets, Roads and Public Parking Lot maintenance

(d) Streets, roads, and public parking lot maintenance	The permittee shall evaluate BMPs to reduce polluted stormwater runoff from municipally-owned streets, roads, and public parking lots within the corporate limits. Within 12 months, the permittee must update its Stormwater Plan to include the BMPs selected.
(e) Streets, roads, and public parking lots maintenance	Within 24 months, the permittee must implement BMPs selected to reduce polluted stormwater runoff from municipally-owned streets, roads, and public parking lots.
YEAR 1	Accomplishments: The permittee has an aggressive street sweeping program; sweeping fifty-three (53) miles of municipally owned streets each week. The permittee also has an eight member grounds maintenance crew that is responsible for curbside clean-up of limbs, leaves, and grass clippings, as well as the grounds maintenance of the majority of the permittee’s facilities. The permittee has adopted an ordinance to prevent dog waste from being left on publically owned property as well as on public streets.
YEAR 2 2013	Accomplishments: The permittee continues with the programs noted above and is working on design changes for the municipally-owned public parking lot to include improved tree island rain gardens.
YEAR 3 2014	Goals: The permittee will begin work with the NCDOT to address the streets and roads owned by the State which run through our corporate limits and have potential to facilitate pollution in entering the permittee’s storm drainage system. The permittee is looking to improve the curbside waste policy. Accomplishments: The permittee has continued an aggressive street sweeping program; sweeping fifty nine point fifty five (59.55) miles of municipally owned streets each week. The permittee also has an eight member grounds maintenance crew that is responsible for curbside clean-up of limbs, leaves, and grass clippings, as well as the grounds maintenance of the majority of the permittee’s facilities. The permittee has adopted an ordinance to prevent dog waste from being left on publically owned property as well as on public streets. Have been in contact with the state regarding several State owned storm drains which were stopped up or damaged.
YEAR 4 2015	Goals: Continue with the street sweeping program. Continue to develop BMPs to reduce polluted stormwater runoff. Continue to develop BMPs for the downtown parking lots including a detention pond.
YEAR 5 2016	

POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

6. Operation and Maintenance (O & M)

(f) Operation and Maintenance (O & M) for municipally-owned or maintained catch basins and conveyance systems	Within 12 months, the permittee shall develop and implement an O & M program for the stormwater sewer system including catch basins and conveyance systems that is owns and maintains.
YEAR 1	Accomplishments: The permittee currently has an O & M policy for the stormwater sewer system, and we are in the process of reevaluating the policy to ensure it meets all permit requirements.
YEAR 2 2013	Accomplishments: The permittee has begun an inventory of non-publically owned conveyance systems to determine the best management of these systems. One example of a third party conveyance is the NCDOT system which discharges into our system prior to the outfalls.
YEAR 3 2014	Goals: The permittee will continue to inventory non-publically owned conveyance systems and determine the best management of these systems. It may prove to be beneficial to obtain easements to include some of these in our own O & M. Accomplishments: We have cleaned numerous ditch lines throughout town which were on our priority list.
YEAR 4 2015	Goals: The permittee will continue to inventory non-publically owned conveyance systems and determine the best management of these systems. It may prove to be beneficial to obtain easements to include some of these in our own O & M. Continue with the priority list of ditches and storm drain maintenance and repair.
YEAR 5 2016	

POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

7. Inventory and O & M of Municipally-owned/maintained Structural BMPs

(g) Identify structural stormwater controls	The permittee shall maintain a current inventory of municipally-owned or operated structural controls installed for compliance with the permittee’s post-construction ordinance.
(h) Operation and Maintenance (O & M) for municipally owned or maintained structural stormwater controls	<p>The permittee shall maintain and implement an O & M program for municipally-owned or maintained structural stormwater controls installed for compliance with the permittee’s post construction ordinance.</p> <p>The O & M shall specify the frequency of inspections and routine maintenance requirements.</p> <p>The permittee shall inspect and maintain municipally-owned or maintained structural stormwater controls in accordance with the schedule developed by the permittee. The permittee shall document inspections and maintenance of all municipally-owned or maintained structural stormwater controls.</p>
(i) Pesticide, Herbicide, and Fertilizer Application Management	The permittee shall ensure municipal employees and contractors are properly trained and all permits, certifications and other measures for applicators are followed.
(k) Prevent or Minimize Contamination of Stormwater runoff from all areas used for vehicle and equipment cleaning	The permittee shall describe and implement measures to prevent or minimize contamination of the stormwater runoff from all area used for vehicle and equipment cleaning.
YEAR 1	NOTHING REQUIRED
YEAR 2 2013	Accomplishments: Post-construction schedules are currently being researched. The permittee has installed a canopy over our fueling pumps. All fuel pumps have been replaced with new pumps within the last two years. (i) only trained staff and contractors are permitted to apply herbicide and/or fertilizer and measures are taken to prevent or minimize the contamination of stormwater runoff. (k) the permittee has implemented changes to its vehicle and equipment washing procedures to be within compliance with its stormwater permit.
YEAR 3 2014	<p>Goals: The permittee will be implementing changes to its vehicle and equipment washing site to bring it within compliance with the stormwater permit.</p> <p>Accomplishments: (g) We have gotten pricing for putting a roof on the vehicle washing area. (h) We are inspecting and cleaning stormdrains as needed (weekly) And are repairing stormdrains and ditches from our priority list. (i) only trained staff and contractors are permitted to apply herbicide and/or fertilizer and measures are taken to prevent or minimize the contamination of stormwater runoff. (k) the permittee has continued implementing changes to its vehicle and equipment washing procedures to be within compliance with its stormwater permit.</p>
YEAR 4 2015	Goals: Continue to implement an O & M program for municipally-owned stormwater controls. Complete upgrades to wash-pit and downtown parking lots. Continue weekly cleaning of stormdrains and begin sectional inspections of drains and ditches and BMPs beginning with 1 st quarter of the city system.
YEAR 5 2016	

POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

8. Staff Training

(j) Staff Training	The permittee shall implement an employee training program for employees involved in implementing pollution prevention and good housekeeping practices.
YEAR 1	NOTHING REQUIRED
YEAR 2 2013	Accomplishments: The permittee has done general training of the staff so that they are aware of our permit and certain requirements for compliance. Currently each department is responsible for staff training. The permittee has purchased a training aide entitled "Raincheck" to be used to train staff.
YEAR 3 2014	Goals: More specific staff training is scheduled for early in the year. Specifically written O & M's for each job that has potential for stormwater pollution, or is required for part of the permit, will be given to each employee that has that job description. Accomplishments: Have acquired training materials and begun training of employees. Written O & M program for some of the City owned buildings.
YEAR 4 2015	Goals: Complete O & M programs for the remaining City owned buildings. Continue with employee training.
YEAR 5 2016	

TOTAL MAXIMUM DAILY LOADS (TMDLs)

1. Objectives

- a. Determine whether a TMDL has been developed and approved or established by EPA for the receiving water(s) for the MS4 stormwater discharge and/or downstream waters into which the receiving water directly flows.
- b. Develop and implement BMPs to reduce non-point source pollutant loading to the maximum extent practicable (MEP) if the Permittee is or becomes subject to an approved TMDL with an approved Waste Load Allocation (WLAs) assigned to stormwater.
- c. If subject to an approved TMDL, the Permittee is in compliance with the TMDL if the permittee complies with the conditions of this permit, including developing and implementing appropriate BMPs to reduce non-point source pollutant loading to the maximum extent practicable (MEP). While improved water quality is the expected outcome, the NPDES MS4 permit obligation is to reduce non-point source pollutant loading to the maximum extent practicable (MEP). The MS4 Permittee is not responsible for attaining water quality standards (WQS) at the ambient monitoring stations. The Division expects attaining WQS will only be achieved through reduction from the MS4, along with reductions from other non-point source contributors.

2. Best Management Practices (BMPS)

At any time during the effective dates of this permit, if the Permittee is or becomes subject to an approved TMDL with and approved Waste Load Allocation (WLAs) assigned to stormwater, the permittee shall implement the following BMPs to reduce non-point source pollutant loading to the maximum extent practicable (MEP):

(a) Identify, describe and map watershed outfalls, and streams	Within 12 months the Permittee shall prepare a plan that: Identifies the watershed(s) subject to an approved TMDL with an approved Waste Load Allocation (WSL) assigned to stormwater, . . .
YEAR 1	NOTHING REQUIRED
YEAR 2 2013	Accomplishments: According to the EPA and DWQ Broad and Catawba River Basinwide Water Quality Plans there are currently no TMDLs on any of the permittee’s receiving streams or the downstream waters into which these streams directly flow. See Appendix C Map from Catawba River Basinwide Study.
YEAR 3 2014	Goals: The permittee will continue to monitor the EPA and DWQ websites to ensure that if such TMDLs are placed on any of the receiving streams the below schedule of the BMPs will be implemented. Accomplishments: According to the EPA and DWQ Broad and Catawba River Basinwide Water Quality Plans there are currently no TMDLs on any of the permittee’s receiving streams or the downstream waters into which these streams directly flow. See Appendix C Map from Catawba River Basinwide Study.
YEAR 4 2015	Goals: The permittee will continue to monitor the EPA and DWQ websites to ensure that if such TMDLs are placed on any of the receiving streams the below schedule of the BMPs will be implemented.

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YEAR 5 2016	
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