# Stormwater Management Plan City of Graham NCS000408

May 23, 2024



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#### PART 1: INTRODUCTION

The purpose of this Stormwater Management Plan (SWMP) is to establish and define the means by which the City of Graham will comply with its National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit and the applicable provisions of the Clean Water Act to meet the federal standard of reducing pollutants in stormwater runoff to the maximum extent practicable.

This SWMP identifies the specific elements and minimum measures that the City of Graham will develop, implement, enforce, evaluate and report to the North Carolina Department of Environmental Quality (NCDEQ) Division of Energy, Minerals and Land Resources (DEMLR) in order to comply with the MS4 Permit number NCS000408 as issued by NCDEQ. This permit covers activities associated with the discharge of stormwater from the MS4 as owned and operated by the City of Graham and located within the corporate limits of the City of Graham.

In preparing this current SWMP, the City of Graham has evaluated its MS4, the permit requirements of it's MS4, and previous Comprehensive Stormwater Management Plans to develop a comprehensive 5-year SWMP that will meet the community's needs, address local water quality issues and provide the minimum measures necessary to comply with the permit. The SWMP will be evaluated and updated annually to ensure that the elements and minimum measures it contains continue to adequately provide for permit compliance and the community's needs.

Once the SWMP is approved by NCDEQ, all provisions contained and referenced in this SWMP, along with any approved modifications of the SWMP, are incorporated by reference into the permit and become enforceable parts of the permit. Any major changes to the approved SWMP will require resubmittal, review and approval by NCDEQ, and may require a new public comment period depending on the nature of the changes.

#### **PART 2: CERTIFICATION**

By my signature below I hereby 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.

I am also aware that the contents of this document shall become an enforceable part of the NPDES MS4 Permit, and that both the Division and the Environmental Protection Agency have NPDES MS4 Permit compliance and enforcement authority.

*
☐ I am a ranking elected official.
☑ I am a principal executive officer for the permitted MS4.
☐ I am a duly authorized representative for the permitted MS4 and have attached the authorization made in writing by a principal executive officer or ranking elected official which specifies me as ( <i>check one</i> ):
☐ A specific individual having overall responsibility for stormwater matters.
☐ A specific position having overall responsibility for stormwater matters.
Signature: Jam Holla
Print Aaron Holland
Name:
Title: Assistant City Manager
Signed this 23rd day May of 20 24 .

## **PART 3: MS4 INFORMATION**

## 3.1 Permitted MS4 Area

This SWMP applies throughout the corporate limits of the City of Graham, including all regulated activities associated with the discharge of stormwater from the MS4. The map below shows the corporate limits of City of Graham as of the date of this document.

## Corporate Limits are shown on the Map Below in Red

## 3.2 Existing MS4 Mapping

The current MS4 mapping includes mapping of Storm drain piping, Streams, Pumpstations, Outfall Locations and Industrial Permitted sites.

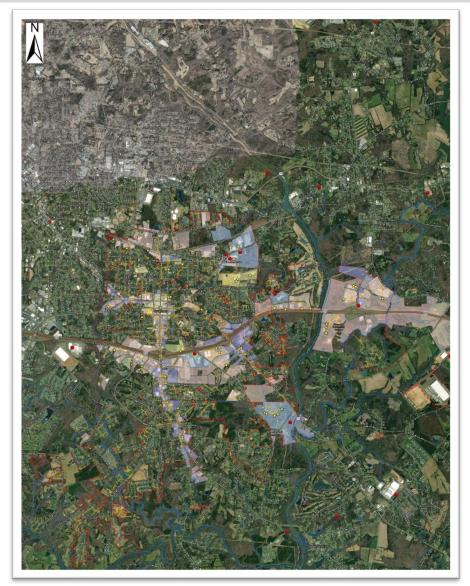


Table 1: Summary of Current MS4 Mapping

Percent of MS4 Area Mapped**	100	%
No. of Major Outfalls* Mapped	125	total

<sup>\*</sup>An outfall is a point where the MS4 discharges from a pipe or other conveyance (e.g. a ditch) directly into surface waters. Major outfalls are required to be mapped to meet permit requirements. A major outfall is a 36-inch diameter pipe or discharge from a drainage area > 50-acres; and for industrial zoned areas a 12-inch diameter pipe or a drainage area > 2-acres.

## 3.3 Receiving Waters

The City of Graham MS4 is located within the Cape Fear River Basin and discharges directly into receiving waters as listed in Table 2 below. Applicable water quality standards listed below are compiled from the following NCDEQ sources:

- Waterbody Classification Map
- o Impaired Waters and TMDL Map
- o Most recent NCDEQ Final 303(d) List

Table 2: Summary of MS4 Receiving Waters

Receiving Water Name	Stream Index	Water	303(d) Listed Parameter(s)
	/ AU Number	Quality	of Interest
		Classification	
Haw River	16-(10.5)	WS-V; NSW	Benthos
Town Branch	16-17	WS-II, HQW,	Fecal Coliform
		NSW	
County Home Branch (Still House	16-17-1	WS-V; NSW	N/A
Branch)			
Big Alamance Creek	16-19-(4.5)	WS-II,	N/A
		HQW, NSW	
Back Creek (Little Creek)	16-19-5	WS-V; NSW	N/A
Little Alamance Creek	16-19-11	WS-V, NSW	Urban Stormwater
Bowden Branch (Boyd Creek)	16-19-11-2	WS-V; NSW	N/A

#### 3.4 MS4 Interconnection

The City of Graham's MS4 is interconnected with the NCDOT MS4 within NCDOT owned right of ways.

## 3.5 Total Maximum Daily Loads (TMDLs)

The TMDL(s) listed in Table 3 below have been approved within the MS4 area, as determined by the map and list provided on the NCDEQ Modeling & Assessment Unit web page. The table also indicates

<sup>\*\*</sup> Graham's entire stormwater system is mapped currently but due to rapid growth this is an ongoing task.

whether the approved TMDL has a specific stormwater Waste Load Allocation (WLA) for any watershed directly receiving discharges from the permitted MS4, and whether a Water Quality Recovery Program has been implemented to address the WLA.

Table 3: Summary of Approved TMDLs

Water Body Name	TMDL Pollutant(s) of Concern	Stormwater	Water
		Waste	Quality
		Load	Recovery
		Allocation	Program
		(Y/N)	(Y/N)
Jordan Lake TMDL	Nitrogen, Phosphorus	N	Y
Haw River	Turbidity, Fecal Coliform	N	Y

The Jordan Lake TMDL is the subject of extensive rulemaking, of which the City of Graham complies with and will comply with future rulemaking regarding.

The City is also a partner with the City of Burlington and NCDOT in the Little Alamance Creek Category 4b Demonstration Plan. That plan is outlined extensively at littlealamancecreek.com. Little Alamance Creek is impaired for stormwater runoff with an unknown pollutant.

## 3.6 Endangered and Threatened Species and Critical Habitat

Significant populations of threatened or endangered species and/or critical habitat are not identified within the regulated MS4 urbanized area. Based upon a review of the Endangered and Threatened Species and Species of Concern by County for North Carolina Map and Listed species believe to or known to occur in North Carolina map as provided by the U.S. Fish and Wildlife Service, the species listed in Table 4 have the potential to occur within the regulated MS4 urbanized area. Of those species listed, Table 4 summarizes the species that may be significantly impacted by the quality of surface waters within their habitat.

Table 4: Potential Federally Listed Species/Habitat Impacted by Surface Water Quality

Scientific Name	Common name	Species Group	Federal Listing
			Status
Helianthus	Schweinitz's	Flowering Plants	Endangered
Schweinitzil	Sunflower		
Danus Plexippus	Monarch Butterfly	Insects	Candidate
Fusconaia Masoni	Atlantic Pigtoe	Clams	Proposed Threatened
Notropis	Cape Fear Shiner	Fishes	Endangered
Mekistocholas	_		

## 3.7 Industrial Facility Discharges

The City of Graham MS4 jurisdictional area includes the following industrial facilities which hold NPDES Industrial Stormwater Permits, as determined from the NCDEQ Maps & Permit Data web page.

Table 5: NPDES Stormwater Permitted Industrial Facilities

Permit Number	Owner Organization Name	Facility Name
NCG050243	Acucote Inc	Acucote Incorporated - Graham
NCG080662	City of Graham	City of Graham - Public Works Facility
NCG081025	Waste Industries LLC	GFL Alamance Hauling Facility
NCG110021	City of Graham	Graham WWTP
NCG030016	Luxfer Gas Cylinders	Luxfer Gas Cylinders
NCG160229	Neyra Industries Inc	Neyra Industries, Inc.
NCG070071	Permatech LLC	Vesuvius
NCG08455	Pilot Travel Center, LLC	PTL#6955

## 3.8 Non-Stormwater Discharges

The water quality impacts of non-stormwater discharges have been evaluated by the City of Graham as summarized in Table 6 below. The unpermitted non-stormwater flows listed as incidental do not significantly impact water quality. The City of Graham has evaluated residential and charity car washing and street washing for possible significant water quality impacts.

Street washing discharges are addressed under the Pavement Management Program in Part 10 of this SWMP. The Division has not required that other non-stormwater flows be specifically controlled by the City of Graham.

Wash water associated with car washing that does not contain detergents or does not discharge directly into the MS4 is considered incidental. However, these types of non-stormwater discharges that do contain detergents have been evaluated by the City of Graham to determine whether they may significantly impact water quality. Currently runoff from car washing in The City of Graham would be considered incidental.

Table 6: Non-Stormwater Discharges

Non-Stormwater Discharge	Water Quality Impacts	
Water line and fire hydrant flushing	Incidental	
Landscape irrigation	Incidental	
Diverted stream flows	Incidental	
Rising groundwater	Incidental	
Uncontaminated groundwater infiltration	Incidental	
Uncontaminated pumped groundwater	Incidental	
Uncontaminated potable water sources	Incidental	
Foundation drains	Incidental	
Air conditioning condensate	Incidental	
Irrigation waters	Incidental	
Springs	Incidental	
Water from crawl space pumps	Incidental	
Footing drains	Incidental	

Lawn watering	Incidental
Residential and charity car washing	Possible
Flows from riparian habitats and wetlands	Incidental
Dechlorinated swimming pool discharges	Incidental
Street wash water	Possible
Flows from firefighting activities	Incidental

## 3.9 Target Pollutants and Sources

In addition to those target pollutants identified below, the City of Graham is not aware of other significant water quality issues within the permitted MS4 area.

The education program will target total suspended solids and nutrient loading because turbidity, sedimentation, and nutrients are the pollutants of concern in downstream waters. In addition, floatables, trash, and debris will also be targeted. The education program will also address the proper use and disposal of typical household chemicals, garden chemicals, and used motor oil.

Table 7 below summarizes the water quality pollutants identified throughout Part 3 of this SWMP, the likely activities/sources/targeted audiences attributed to each pollutant and identifies the associated SWMP program(s) that address each. In addition, the City of Graham has evaluated schools, homeowners and businesses as target audiences that are likely to have significant stormwater impacts.

Table 7: Summary of Target Pollutants and Sources

Target Pollutant(s)	Likely Source(s)/Target Audience(s)	SWMP Program Addressing
		Target Pollutant(s)/Audience(s)
Litter	Residents, Businesses, Schools	Public Education & Outreach
Sediment	Residents, Businesses	Public Education & Outreach
Nitrogen and Phosphorous	Fertilizer/Residents	Public Education & Outreach

The City of Graham is a partner in the Little Alamance Creek Category 4B Implementation Plan. The plan is available at littlealmancecreek.com and includes extensive discussions regarding potential pollutants in stormwater.

## PART 4: STORMWATER MANAGEMENT PROGRAM ADMINISTRATION

## 4.1 Organizational Structure

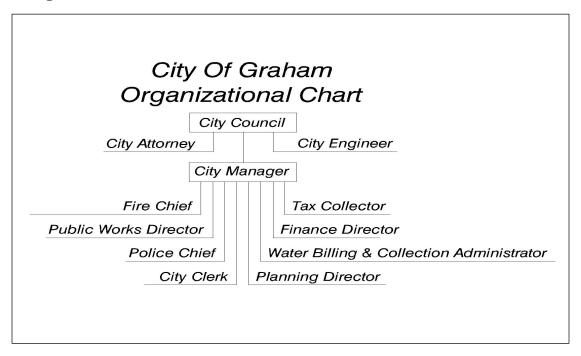


Table 8: Summary of Responsible Parties

Position	Name	Phone No.	Fax No.	Email	
City Manager	Megan Garner	336-570-6700	336-570-6703	mgarner@cityofgraham.com	
Assistant City Manager	Aaron Holland	336-570-6700	336-570-6703	aholland@cityofgraham.com	
City Clerk	Renee Ward	336-570-6500	336-570-6703	rward@cityofgraham.com	
Public Works Director	Burke Robertson	336-570-6709	336-570-6703	brobertson@cityofgraham.com	
Utilities Director	Tonya Mann	336-578-3264	336-570-6703	tmann@cityofgraham.com	
City Planner	Cameron West	336-570-6700	336-570-6703	cwest@cityofgraham.com	
City Attorney	Robert (Bob) Ward J. Bryan Coleman	336-228-1433	336-570-6703	law@cityofgraham.com	
City Engineer /Stormwater Manager	Josh Johnson, P.E.	(336) 226-5534	(336) 226-3034	josh@awck.com	
Stormwater Coordinator	Janet Paith	(336)226-5534	(336) 226-3034	jpaith@awck.com	
General contacts for Stormwater program should be referred to Burke Robertson & Josh Johnson					
Designated Stormwater Administrator – Josh Johnson, P.E. – Contracted					

SWMP Component	Responsible Position	Staff Name	Department
Stormwater Program Administration	Assistant City Manager Stormwater Engineer	See Table 8	Administration
SWMP Management	Assistant City Manager Stormwater Engineer	See Table 8	Administration
Public Education & Outreach	Assistant City Manager Stormwater Manager	See Table 8	Administration
Public Involvement & Participation	Assistant City Manager Stormwater Manager	See Table 8	Administration
Illicit Discharge Detection & Elimination	Assistant City Manager Stormwater Engineer	See Table 8	Administration
Construction Site Runoff Control	Assistant City Manager Stormwater Engineer	See Table 8	Administration
Post-Construction Stormwater Management	City Manager Stormwater Manager	See Table 8	Administration
Pollution Prevention/Good Housekeeping for Municipal Operations	Assistant City Manager Stormwater Engineer Public Works Director Utilities Director	See Table 8	Administration Public Works
Municipal Facilities Operation & Maintenance Program	Assistant City Manager Stormwater Engineer Public Works Director	See Table 8	Administration Public Works
Spill Response Program	Assistant City Manager Stormwater Engineer Public Works Director	See Table 8	Administration Public Works
MS4 Operation & Maintenance Program	Assistant City Manager Stormwater Engineer Public Works Director	See Table 8	Administration Public Works
Municipal SCM Operation & Maintenance Program	Assistant City Manager Stormwater Engineer Public Works Director	See Table 8	Administration Public Works
Pesticide, Herbicide & Fertilizer Management Program	Assistant City Manager Stormwater Engineer Public Works Director	See Table 8	Administration Public Works
Vehicle & Equipment Cleaning Program	Assistant City Manager Stormwater Engineer Public Works Director	See Table 8	Administration Public Works

Pavement Management Program	Assistant City Manager Stormwater Engineer Public Works Director	See Table 8	Administration Public Works
Total Maximum Daily Load (TMDL) Requirements	Assistant City Manager Stormwater Engineer	See Table 8	Administration

## **Program Funding and Budget**

In accordance with the issued permit, the City of Graham shall maintain adequate funding and staffing to implement and manage the provisions of the SWMP and comply with the requirements of the NPDES MS4 Permit. The budget includes the permit administering and compliance fee, which is billed by the Division annually.

The City of Graham funds it's Stormwater Programs through a Stormwater Fee. The City collects a flat fee of \$2/month from utility users within the City Limits. For the 2021-22 fiscal year the City budgeted \$70,000 for stormwater services. The City uses its budget to pay for its Water Quality Programs including its NPDES Phase II and Jordan Lake Programs. The City's Water Supply Watershed Inspection Program is funded through fees collected during the permitting and review process. The City has also used excess funding from the stormwater fund to fund other stormwater or water quality projects. This includes investigating drainage complaints from residents and investigating potential inflow/infiltration/exfiltration between the collections system and the MS4.

## 4.2 Shared Responsibility/Contracted Services

The City of Graham implements 5 of the 6 minimum control measures, with the 6<sup>th</sup> measure being construction site runoff controls which is implemented through NC DEMLR's Erosion and Sediment Control program.

The City of Graham contracts with Stormwater Smart for assistance with Public Education and Public Involvement and Outreach. Stormwater Smart is not directly responsible for any items but rather assists the City of Graham.

The City of Graham contracts engineering services with Alley, Williams, Carmen, and King, Inc. Alley, Williams, Carmen, and King is not directly responsible for any items but rather assists the City of Graham.

#### 4.3 Co-Permittees

The are no other entities applying for co-permittee status under the NPDES MS4 permit number NCS000408 for the City of Graham.

## 4.4 Measurable Goals for Program Administration

The City of Graham will manage and report the following Best Management Practices (BMPs) for the administration of the Stormwater Management Program.

Permit Ref.	Measures to submit a permit renewal application no later than 180 days prior to the expiration date of the NPDES MS4 permit.					
BMP	A	В	С	D		
No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric		
1.	Permit Renewal Application					
	Submit a permit renewal application and Draft SWMP no later than 180 prior to permit expiration.	1. Draft SWMP applicable to the proceeding 5 years following permit reissuance.	1. Permit Year 5	1. Yes / No		
		2. Certify the stormwater permit renewal application (Permit renewal application form and Draft SWMP for the next 5-year permit cycle) and submit to NCDEQ at least 180 days prior to permit expiration.	2. Permit Year 5	2. Date of permit renewal application submittal		
Permit	Review adequate funding and staffing to implement and manage the provisions of the SWMP and meet the					
Ref.			-	e SWMP and meet the		
	Review adequate funding and staff		C	D		
Ref. BMP	Review adequate funding and staff requirements of the permit.	fing to implement and man	C Schedule for	D Annual Reporting		
Ref.	Review adequate funding and staff requirements of the permit.  A	Ing to implement and man  B  Measurable Goal(s)	C	D		
BMP No.	Review adequate funding and staff requirements of the permit.  A  Description of BMP	Ing to implement and man  B  Measurable Goal(s)	C Schedule for	D Annual Reporting		
BMP No.	Review adequate funding and staff requirements of the permit.  A  Description of BMP  Review Adequate Funding and Staff Confirm that the program is	B  Measurable Goal(s)  fing needs.  1. Verify adequate funding in the City's	C Schedule for Implementation	D Annual Reporting Metric		
Ref. BMP No.	Review adequate funding and staff requirements of the permit.  A  Description of BMP  Review Adequate Funding and Staff Confirm that the program is adequately funded and staffed.	B  Measurable Goal(s)  fing needs.  1. Verify adequate funding in the City's Budget.	C Schedule for Implementation  1. Permit Year 1-5	Annual Reporting Metric  1. Adequate/Inadequate		
BMP No. 2.	Review adequate funding and staff requirements of the permit.  A  Description of BMP  Review Adequate Funding and Staff Confirm that the program is adequately funded and staffed.	B Measurable Goal(s)  fing needs.  1. Verify adequate funding in the City's Budget.  1. Sign contract  2. Review contract for all permit required items.	C Schedule for Implementation  1. Permit Year 1-5  1. Permit Year 1  2. Review Permit Years 2-5  f the SWMP program	Annual Reporting Metric  1. Adequate/Inadequate  1. Yes / No  2. Yes / No  components at least		
BMP No.	Review adequate funding and staff requirements of the permit.  A  Description of BMP  Review Adequate Funding and Staff Confirm that the program is adequately funded and staffed.  Stormwater Services Contract  2.1.2 Program Implementation Measures to evaluate the performannually. Results shall be used by	B Measurable Goal(s)  fing needs.  1. Verify adequate funding in the City's Budget.  1. Sign contract  2. Review contract for all permit required items.	C Schedule for Implementation  1. Permit Year 1-5  1. Permit Year 1  2. Review Permit Years 2-5  f the SWMP program	Annual Reporting Metric  1. Adequate/Inadequate  1. Yes / No  2. Yes / No  components at least		

3.	Annual Self-Assessment				
<u></u>	Evaluate the performance and effectiveness of the program components at least annually. Results shall be used to modify the program components as necessary to accomplish the intent of the Stormwater Program.	1. Prepare, conduct and document an annual evaluation of the program components.	1. Annually Permit Year 1 – 5	1. Yes / No	
Permit Ref.	2.2 Minimum Control Measures Maintain written procedures for imp				
	specific action steps, schedules, res  A	ources and responsibilities  B	s for implementing the M C	D D	
BMP No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	
4.	Procedures for implementing the Mi	nimum Control Measures			
		1. Create all required written procedures for implementing the six MCM's.	1. Permit Year 1	1. Yes / No	
		2. Review and update all written procedures as needed.	2. Permit Year 2-5	2. Yes / No	
	2.1.7, 3.2.3 and 3.6.5(c): Web Site Measures to provide a web site desi including ordinances, or other regul mechanisms, providing the legal au and SWMP. The web page shall als design standards, checklists and/or of the standards.	gned to convey the progra atory mechanisms, or a list thority necessary to imple so provide developers with	st identifying the ordinan ment and enforce the req	ces or other regulatory uirements of the permi	
Ref.	Measures to provide a web site desi including ordinances, or other regul mechanisms, providing the legal au and SWMP. The web page shall also	gned to convey the progra atory mechanisms, or a list thority necessary to imple so provide developers with	st identifying the ordinan ment and enforce the req	ces or other regulatory uirements of the permi	
Ref. BMP	Measures to provide a web site desi including ordinances, or other regul mechanisms, providing the legal au and SWMP. The web page shall als design standards, checklists and/or	gned to convey the progra atory mechanisms, or a list thority necessary to imple so provide developers with other materials.	st identifying the ordinan ment and enforce the req h all relevant post-constru  C  Schedule for	ces or other regulatory uirements of the perminaction requirements,  D  Annual Reporting	
BMP No.	Measures to provide a web site desi including ordinances, or other regul mechanisms, providing the legal au and SWMP. The web page shall als design standards, checklists and/or A	gned to convey the progra atory mechanisms, or a list thority necessary to imple so provide developers with other materials.	st identifying the ordinan ment and enforce the req h all relevant post-constru	ces or other regulatory uirements of the perminaction requirements,	
BMP No.	Measures to provide a web site desi including ordinances, or other regul mechanisms, providing the legal au and SWMP. The web page shall als design standards, checklists and/or A  Description of BMP	gned to convey the progra atory mechanisms, or a list thority necessary to imple so provide developers with other materials.	st identifying the ordinan ment and enforce the req h all relevant post-constru  C  Schedule for	ces or other regulatory uirements of the perminaction requirements,  D  Annual Reporting	
Permit Ref.  BMP No. 5.	Measures to provide a web site desi including ordinances, or other regul mechanisms, providing the legal au and SWMP. The web page shall als design standards, checklists and/or A  Description of BMP  City's Stormwater Webpage  Update and maintain the City's	gned to convey the progra atory mechanisms, or a list thority necessary to imple so provide developers with other materials.  B  Measurable Goal(s)  1. Verify City's stormwater webpage is current.	ct identifying the ordinan ment and enforce the require hall relevant post-construction  C Schedule for Implementation  1. Annually Permit Year 1-5	ces or other regulatory uirements of the perminaction requirements,  D  Annual Reporting Metric  1. Yes / No	
BMP No. 5.	Measures to provide a web site desi including ordinances, or other regul mechanisms, providing the legal au and SWMP. The web page shall als design standards, checklists and/or A  Description of BMP  City's Stormwater Webpage  Update and maintain the City's Stormwater Webpage.  3.2.5: Stormwater Hotline	gned to convey the progra atory mechanisms, or a list thority necessary to imple so provide developers with other materials.  B  Measurable Goal(s)  1. Verify City's stormwater webpage is current.	ct identifying the ordinan ment and enforce the require hall relevant post-construction  C Schedule for Implementation  1. Annually Permit Year 1-5	ces or other regulatory uirements of the perminaction requirements,  D  Annual Reporting Metric  1. Yes / No	

6.	Helpline/ Hotline			
	All stormwater related calls will be forwarded to the Public Works Director who will then distribute the information to appropriate employees.	1. Confirm hotline number works and log calls.	1. Continuously Permit Year 1- 5	1. Total annual number of calls

#### PART 5: PUBLIC EDUCATION AND OUTREACH PROGRAM

The City of Graham will implement a Public Education and Outreach Program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and steps the public can take to reduce pollutants in storm water runoff.

The target audiences and identified pollutants listed in Part 3.9 of this SWMP, which will be addressed by the Public Education and Outreach Program, are summarized in Table 12 below. In addition, the City of Graham is required to inform businesses and the general public of the hazards associated with illicit discharges, illegal dumping and improper disposal of waste.

Table 12: Summary of Target Pollutants & Audiences

Target Pollutants/Sources	Target Audience(s)
Litter	Residents, Businesses, Schools
Sediment	Residents, Businesses
Nitrogen and Phosphorous	Fertilizer/Residents

The City of Graham will manage, implement, and report the following public education and outreach BMPs.

The City partners with Stormwater SMART, an education and outreach organization hosted by the Piedmont Triad Regional Council (PTRC). Stormwater SMART is a cooperative group that is funded by several Piedmont municipalities. It was created in 2005 to provide education and outreach for MS4 Permittees (like Graham) and concentrates on direct education of school children and residents.

Piedmont Triad Regional Council Stormwater Smart Danica Heflin 1398 Carrollton Crossing Drive, Kernersville, NC 27284 (336) 904-0300

Table 1	3: Public Education and Outreach	BMPs			
Permit Ref.	Measures to identify the specific elements and implementation of a Public Education and Outreach Program share educational materials to the community or conduct equivalent outreach activities about the impacts of stormwater discharges on water bodies and how the public can reduce pollutants in stormwater runoff. The permittee shall provide educational information to identified target audiences on pollutants/sources identified table 12 above; and shall document the extent of exposure of each media, event or activity, including those elements implemented locally or through a cooperative agreement.				
BMP	A	В	C	D	
No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	
7.	Maintain a Stormwater education pla	an			
	Maintain education plan. Include in Plan the BMPs, schedule, targeted audiences, and measurable goals. Summarize plan and implementation progress in each annual report.	1.Maintain Public Education and Engagement Plan, documenting the existing outreach and education program implemented by City staff, including process for identifying target audiences for each pollutant and source.	1. Annually Permit Year 1-5	1. Yes / No	
8.	Educational Stormwater Mailers, Br	ochures, and Posters	1	1	
	Distribute Public Education Materials to identified user groups. Materials may be supplied through outside Stormwater information sources.	Distribute public education materials at:  1. public events 2. schools 3. mailings 4. municipal facilities	1. Annual 2. Annual 3. Annual 4. Annual	<ol> <li>Contact Hours</li> <li>Contact Hours</li> <li>Number of         <ul> <li>Educational</li> <li>Materials</li> <li>Distributed.</li> </ul> </li> <li>Number of         <ul> <li>Educational</li> <li>Materials</li> <li>Distributed.</li> </ul> </li> </ol>	

## PART 6: PUBLIC INVOLVEMENT AND PARTICIPATION PROGRAM

This SWMP identifies the minimum elements and implementation of a Public Involvement and Participation Program that complies with applicable State, Tribal and local public notice requirements. The City of Graham will manage, implement and report the following public involvement and participation BMPs.

Permit Ref.	3.3.1: Public Input Mechanisms for public involvement that provide for input on stormwater issues and the stormwater program.				
BMP	A	В	C	D	
No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	
9.	Public Stormwater Program Meetin	ıg		,	
	A public meeting will be held Bi -annually to discuss the implementation of the permit. This meeting will provide the public with the opportunity to be involved with the stormwater program.	1. Hold a public meeting to solicit information about the City's Stormwater Program.	1. Permit Years 2 and 4	1. Date of Event	
Permit Ref.	t 3.3.2: Volunteer Opportunities  Measures to provide volunteer opportunities designed to promote ongoing citizen participation.				
	A	В	С	D	
BMP No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	
10.	Volunteer Stormwater Program				
	The City will promote various volunteer stormwater programs annually. These may include Big	1. Hold one event per year in the community.	1.Fall and Spring Permit Years 1-5	1. Number of Events	
	Sweep, Creek Week, Adopt-A- Stream programs, and Storm Drain Stenciling.	Participants per program	2. Fall and Spring Permit Years 1-5	<ol> <li>The number of participants.</li> <li>Estimate of Effectiveness of Event: Amount of Bags Collected, Number of Storm Drains Marked</li> </ol>	

## PART 7: ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

The City of Graham will develop, manage, implement, document, report and enforce an Illicit Discharge Detection and Elimination Program which shall, at a minimum, include the following illicit discharge detection and elimination BMPs.

Table 1	5: Illicit Discharge Detection and F	Elimination BMPs			
Permit Ref.	3.4.1: MS4 Map Measures to develop, update and maintain a municipal storm sewer system map including stormwater conveyances, flow direction, major outfalls and waters of the United States receiving stormwater discharges				
BMP	Α	В	C	D	
No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	
11.	Storm sewer system map showing ou	tfalls and the receiving bo	dy of water.		
	Maintain system map in support of inspection program. The map will note outfalls and receiving body of water for each outfall.	Maintain mapping as System changes.	1.Continuously, with updates made annually.	1. Yes / No	
Permit Ref.	3.4.2: Regulatory Mechanism  Measures to provide an IDDE ordir prohibit, detect, and eliminate illicit including enforcement procedures a	t connections and discharge			
BMP	A	В	С	D	
No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	
12.	Review Illicit Discharge Ordinance				
	Maintain adequate ordinance or other legal authorities to prohibit illicit connections and discharges and enforce the approved IDDE program.	1. Maintain and enforce public ordinances. Update, if necessary, to maintain legal authority.	1. Review ordinance biannually - Permit Years 2 & 4	1. Yes / No	

Table 1	5: Illicit Discharge Detection and E	Climination BMPs			
Permit Ref.	3.4.3: IDDE Plan  Measures to maintain and implement a written IDDE Plan to detect and address illicit discharges, illegal dumping and any non-stormwater discharges identified as significant contributors of pollutants to the MS4. The plan shall provide standard procedures and documentation to:				
	a) Locate priority	areas likely to have illicit	discharges,		
	b) Conduct routin	e dry weather outfall inspe	ections,		
	c) Identify illicit of	discharges and trace sourc	es,		
	d) Eliminate the s	ource(s) of an illicit disch	arge, and		
	e) Evaluate and as	ssess the IDDE Program.			
	A	В	C	D	
BMP No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	
13.	Inspection/detection program to dete	ect dry weather flows at MS	84 outfalls.		
	Maintain written procedures and/or SOPs for detecting and tracing the sources of illicit discharges and for removing the sources or reporting the sources to the State to be properly permitted.	1.Maintain IDDE Plan. Review and update IDDE Plan as needed.	1. Annually Permit Years 1-5	1. Yes/ No	
14.	Stream walks/ Dry weather testing and Outfall Inspections	1.Inspect 20% outfalls.	1.Annually Permit Year 1-5	Number of outfalls inspected for year	
Permit Ref.	3.4.4: IDDE Tracking Measures for tracking and documer was observed, the results of the invo	estigation, any follow-up	of the investigation, the da	te the investigation was	
BMP	A	В	С	D	
No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	
15.	Establish/ Maintain a tracking system for managing reported problem areas.				
	Document the date of investigations, any enforcement action(s) or remediation that occurred.	1. Maintain IDDE investigation records, notices of violations and compliance and other program records.	1. Continuously	1. Report number of IDDE investigations, number of NOVs issued, number of enforcement actions taken, number of NOVs closed.	

Table 1	5: Illicit Discharge Detection and E	Elimination BMPs			
Permit Ref.	3.4.5: Staff IDDE Training  Measures to provide training for municipal staff and contractors who, as part of their normal job responsibilities, may observe an illicit discharge, illicit connection, illegal dumping or spills. Training shall include how to identify and report illicit discharges, illicit connections, illegal dumping and spills. Each staff training event shall be documented, including the agenda/materials, date, and number of staff participating.				
ВМР	A	В	C	D	
No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	
16.	Train employees on how to inspect for	or illicit connections	•		
	Conduct in person or virtual training for appropriate municipal staff on detecting and reporting illicit connections and discharges.	1. Conduct employee training and document attendance.	1. Annually Permit Year 1-5	1. Report number of staff who completed IDDE training.	
Permit Ref.	3.4.6: IDDE Reporting Measures for the public and staff to be publicized to facilitate reporting personnel.				
	A	В	C	D	
BMP No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	
17.	Maintain Program to report discharges to personnel and the public				
	Maintain and publicize reporting mechanism(s) for the public to report illicit connections and discharges.	Maintain reporting helpline and email address.	1. Annually Permit Year 1-5	1. Yes / No	

## PART 8: CONSTRUCTION SITE RUNOFF CONTROL PROGRAM

In accordance with 15A NCAC 02H .0153, the City of Graham relies upon the North Carolina Sedimentation Pollution Control Act (SPCA) of 1973 as a qualifying alternative program to meet a portion of the NPDES MS4 Permit requirements for construction site runoff control measures. The SPCA requirements include reducing pollutants in stormwater runoff from construction activities that result in land disturbance of greater than or equal to one acre and includes any construction activity that is part of a larger common plan of development that would disturb one acre or more.

The contact information for the responsible party for Construction Site Runoff Controls within the City of Graham is:

NC Sedimentation and Erosion Control Program Winston-Salem Regional Office Tamera Eplin, P.E. Regional Environmental Engineer 450 west Hanes Mill Rd., Suite 300, Winston Salem, NC 27105-7407 Phone: 336/776-9800

www.deq.nc.gov

The City of Graham implements minimal BMP's regarding NC Sedimentation and Erosion Control due to lack of legal authority. All calls regarding erosion control are to be referred to NC DEQ as noted above.

Table 1'	7: Construction Site Runoff Contro	ol BMPs				
Permit Ref.	3.5.6: Public Input Measures to provide and promote a means for the public to notify the appropriate authorities of observed erosion and sedimentation problems.					
	A	В	C	D		
BMP No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric		
18.	Municipal Staff Training					
	Train municipal staff who receive calls from the public on the protocols for referral and tracking of construction site runoff control complaints.	1. Train municipal staff on proper handling of construction site runoff control complaints.	1. Annually Permit Year 1-5	1. Number of staff trained.		
19.	Construction Site Waste Managemen	nt	I.			
	Construction material and construction waste pollutant control code.	1. Confirm city authority on construction site pollutant controls when pollutant is "leaving or likely leaving the site".	1. Permit Year 1	1. Yes / No		

Table 17: Construction Site Runoff Control BMPs				
		2. Maintain Authority	2. Permit Year 2-5 Maintain.	2. Yes / No

#### PART 9: POST-CONSTRUCTION SITE RUNOFF CONTROL PROGRAM

The City of Graham operates a Post Construction Site Runoff Control Program that regulates stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, that are located within the City of Graham and discharge into the MS4. These elements are designed to minimize water quality impacts utilizing a combination of structural Stormwater Control Measures (SCMs) and/or non-structural BMPs appropriate for the community and ensure adequate long-term operation and maintenance of SCMs.

The City also operates a high-density water supply watershed program that is handled similarly to it's Post Construction runoff program but which includes reduced triggers and more stringent regulations.

The City's post construction ordinance is contained in Section 157 of it's Code of Ordinances. The City maintains a stormwater design manual that is deemed equal or more stringent than the NC DEQ BMP Manual.

The annual reporting metrics for the post construction program are provided in Table 20: Post Construction Site Runoff Control BMPs below.

Table 2	Table 20: Post Construction Site Runoff Control BMPs					
Permit Ref.	3.6.5(a), 3.6.5(b), and 4.1.3: Minimum Post-Construction Reporting Requirements  Measures to document activities over the course of the fiscal year (July 1 – June 30) including appropriate information to accurately describe progress, status, and results.					
BMP	A	В	С	D		
No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric		
20.	Standard Reporting					
	Implement standardized tracking, documentation, inspections and reporting mechanisms to compile appropriate data for the annual self-	1. Track number of low density and high density plan reviews performed.	1. Continuously Permit Year 1-5	Number of plan reviews performed for low density and high density.		
	assessment process. Data shall be provided for each Post-Construction/ Qualifying Alternative Program being implemented as listed in Tables 18 and 19.	2. Track number of low density and high density plans approved.	2. Continuously Permit Year 1-5	2. Number of plan approvals issued for low density and high density.		
		3. Maintain a current inventory of low density projects and constructed SCMs including SCM type or low density location and last inspection date.	3. Continuously Permit Year 1-5	3. Summary of number and type of SCMs added to the inventory; and number of low density projects constructed.		
		4. Track number of SCM inspections performed.	4. Continuously Permit Year 1-5	4. Number of SCM inspections.		
		5. Track number and type of enforcement actions taken.	5. Continuously Permit Year 1-5	5. Number of enforcement actions issued.		

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Table 20	0: Post Construction Site Runoff C	ontrol BMPs			
Permit Ref.	3.6.2: Legal Authority  Measures to maintain adequate legal authorities through ordinance or other regulatory mechanism to: (a) review designs and proposals for new development and redevelopment to determine whether adequate stormwater control measures will be installed, implemented, and maintained, (b) 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, and (c) enter private property for the purpose of inspecting at reasonable times any facilities, equipment, practices, or operations related to stormwater discharges to determine whether there is compliance with the Post-Construction Stormwater Management Program.				
ВМР	A	В	C	D	
No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	
21.	<b>Review the Post Construction Or</b>	dinance			
	Review the Post Construction Ordinance for compliance with NC DWQ guidance and local effectiveness. Phase II Post- Construction Ordinance will incorporate Jordan Lake Nutrient Strategy Regulations in conjunction with NC Session Law and DWQ regulations.	Add additional     Measures as needed	1.Permit Year 1	1. Yes / No	
Permit Ref.	3.6.3: Plan Review and Approval Measures to maintain plan review and approval authority, standards and procedures to: (a) Require Federal, State, and local government projects to comply with Post-Construction Program requirements throughout the entire MS4 permitted area, unless the entity is subject to its own NPDES MS4 permit or a qualifying alternative program, (b) Conduct site plan reviews of all new development and redeveloped sites that disturb greater than or equal to one acre, and sites that disturb less than one acre that are part of a larger common plan of development or sale for compliance with 15A NCAC 02H .1017 and the qualifying alternative programs that apply within your jurisdiction, (c) Ensure that each project has an Operation and Maintenance Agreement that complies with 15A NCAC 02H .1050(12), (d) Ensure that each project has an Operation and Maintenance Plan that complies with 15A NCAC 02H .1050(13), (e) Ensure that each project has recorded deed restrictions and protective covenants, that require the project to be maintained consistent with approved plans, and (f) Ensure that each SCM and associated maintenance accesses be protected in a permanent recorded easement per 15A NCAC 02H 1050 (9) and (10).				
BMP	A	В	C	D	
No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	
22.	Review standards and policies that el Stormwater Management Design Ma				
	Review local standards to remain in compliance with the NC DWQ BMP Manual. Additional measures and techniques may be added to the local ordinance as they are investigated.	Add additional     Measures as needed.	1. Annually Permit Year 1-5	1. Yes / No	

23.	Review maintenance standards and inspection program to ensure that on-site controls continue to function as designed.				
	Review the maintenance standards and inspection program for local onsite controls.	Add additional     Measures as needed.	1. Annually Permit Year 1-5	1. Yes / No	
24.	Maintain the education program cre	ated for land developers ar	nd the public.		
	Provide educational materials and training for developers.	1. Maintain stormwater permitting guidance document for developers and designers.	1. Continuous Permit Year 1-5	1. Yes / No	
Ref.	Measures to maintain inspection and enforcement authority, standards and procedures to: (a) Conduct post-construction inspections prior to issuing a Certificate of Occupancy or a Temporary Certificate of Occupancy Alternatively, the project owner may provide a surety bond to guarantee compliance with the approved plan(b) Ensure that the project has been constructed in accordance with the approved plan(s), (c) Ensure annual inspection of each permitted SCM to ensure compliance with the approved Operation and Maintenance Agreement, (d) Ensure inspection of low-density projects at least once during the permit term, and (e) Requitate that inspections be conducted by a qualified professional.				
	that inspections be conducted by a	qualified professional.		, (, 1	
RMP	that inspections be conducted by a A	qualified professional.  B	C	D	
	1	<u> </u>	C Schedule for Implementation	``	
BMP No. 25.	A	B  Measurable Goal(s)	Schedule for Implementation	D Annual Reporting Metric	
No.	A Description of BMP	B  Measurable Goal(s)	Schedule for Implementation	D Annual Reporting Metric	
No.	A  Description of BMP  Inspections and long-term mainted  Maintain an inspection and maintenance plan for SCM's. Annual  SCM Inspections performed by a qualified professional. SCM maintenance and inspections will be reviewed by the City during the	B Measurable Goal(s) enance of Stormwater Co  1. Maintain and receive SCM inspection reports and follow up on the functioning status of	Schedule for Implementation ontrol Measures (SCMs)  1. Annually	D Annual Reporting Metric  1. Report number of sites with SCMs 2. Report number of sites where SCM inspections have been received 3. Report SCM enforcement	

Table 20: Post Construction Site Runoff Control BMPs					
Permit Ref.	3.6.6: Fecal Coliform Reduction  Measures to control, to the maximum extent practicable, sources of fecal coliform per 15A NCAC 02H .1017(7). At a minimum, the program shall include: (a) A pet waste management component, which may be achieved by revising an existing litter ordinance, and (b) An on-site domestic wastewater treatment system component, if applicable, which may be coordinated with local county health department, to ensure proper operation and maintenance of such systems.				
BMP	A	В	C	D	
No.	Description of BMP Measurable Goal(s) Schedule for Implementation Metric				
27.	Pet Waste Stations at Parks				
	Provide Pet waste stations at City owned parks as needed.	1. Maintain Pet Waste Stations in City owned parks.	1. Continuously Permit Year 1-5	1. Report the number of Pet Waste stations the City maintains.	

#### PART 10: POLLUTION PREVENTION AND GOOD HOUSEKEEPING PROGRAMS

This SWMP provides a comprehensive pollution prevention and good housekeeping strategy for the City of Graham municipal facilities and operations. Pollution prevention and good housekeeping is accomplished through the implementation of seven required programs, which collectively address the ultimate goal of preventing or reducing pollutant runoff from municipal operations such as parks and open space maintenance, fleet and building maintenance, new construction and land disturbances, and municipal storm sewer system maintenance.

Pollution prevention and good housekeeping for municipal operations includes the following programs:

- 1. Municipal Facilities Operation and Maintenance Program
- 2. Spill Response Program
- 3. MS4 Operation and Maintenance Program
- 4. Municipal SCM Operation and Maintenance Program
- 5. Pesticide, Herbicide and Fertilizer Management Program
- 6. Vehicle and Equipment Maintenance Program
- 7. Pavement Management Program

The City of Graham will manage, implement and report the pollution prevention and good housekeeping BMPs as specified in Table 21 below for each required program.

Table 21: Pollution Prevention and Good Housekeeping BMPs					
Permit Ref.	3.7.1: Municipal Facilities Operation and Maintenance Program  Measures to manage facilities that are owned and operated by the permittee and have the potential for generating polluted stormwater runoff. The permittee shall maintain a current inventory of municipal facilities; perform facility inspections and routine maintenance; establish specific frequencies, schedules, and standard documentation; provide staff training on general stormwater awareness and implementing pollution prevention and good housekeeping practices.				
ВМР	A	В	C	D	
No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	
28.	Maintain Inventory and O&M Manu	ıal of Municipal Facilities a	and Operations		
	Document and maintain municipal facility inspections program for sources of polluted runoff.	1. Maintain inventory of municipal facilities that are determined to be potential sources of polluted runoff.	1. Review Annually Permit Year 1-5	1. Total number of facilities	
29.	Inspect Municipal Facilities and Operations for sources of polluted runoff.	Inspect Municipal     Facilities and Operations	1. Annually Permit Year 1- 5	1. Report Number of facilities inspected	

Permit Ref.	3.7.2: Spill Response Program  Measures for facilities and operations that store and/or use materials that have the potential to contaminate stormwater runoff if spilled. The permittee shall maintain written spill response procedures and train staff on spill response procedures.				
BMP	A	В	C	D	
No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	
30.	Spill Response Procedures				
	Maintain spill response procedures for municipal facilities and operations owned and operated by the permittee that have been determined by the permittee to have significant potential for generating polluted stormwater runoff.	1. Maintain City-wide spill and site-specific response procedures.	1. Annually Permit Year 1-5	1. Yes / No	
31.	Staff Training				
	Train Staff on proper procedures and protocol to handle spills	Conduct employee training and document attendance.	1. Annually Permit Year 1-5	1. Number of staff who completed PPGH training	
Permit Ref.	3.7.3: MS4 Operation and Maintenance Program  Measures to minimize pollutants in the stormwater collection system. The permittee shall provide operation and maintenance staff training on stormwater awareness and pollution prevention, perform MS4 inspections, maintain the collection system including catch basins and conveyances; and establish specific frequencies, schedules, and standard documentation.				
BMP	A	В	C	D	
No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	
32.	O&M for municipally owned or main	ntained catch basins and co	onveyance systems		
	Continue to implement/and maintain the O&M Program for the municipal storm sewer system including catch basins, and the conveyance system.	1. Inspect and maintain MS4 to verify they function as conduits of stormwater.	1. Annually Permit Year 1-5	1. Yes / No	
		2. Review the MS4 Plan, and revise, if necessary. Implement inspection and maintenance programs documented in the MS4 Plan.	2. Annually Permit Year 1-5	2. Yes / No.	
Permit Ref.	3.7.4: Municipal SCM Operation and Maintenance Program  Measures to manage municipally owned, operated, and/or maintained structural stormwater control measures (SCMs) that are installed for compliance with the permittee's post-construction program. The permittee shall maintain a current inventory of SCMs, perform SCM inspections and maintenance, and shall establish specific frequencies, schedules, and documentation.				
BMP	A	В	С	D	
No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	

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33.	O&M for municipally owned or maintained structural stormwater controls				
	Develop and maintain an O&M program for all municipally owned SCMs.	1. Create a municipal SCM Inventory.	1. Annually Permit Year 1-5	1. Report number of municipal SCMs	
		2. Inspect and maintain SCMs so that they function as designed.	2. Annually Permit Year 1-5	2. Report number of SCMs inspected	
Permit Ref.	3.7.5: Pesticide, Herbicide and Fertil Measures to minimize water quality im pollution prevention and chemical use, applicator certifications.	pacts from the use of landscap			
BMP	A	В	C	D	
No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	
34.	Pesticide, Herbicide and Fertilizer Application Management				
	Manage Staff Pesticide license and follow all requirements to safely handle and apply pesticides,	1. Review staff license that they are up to date.	1. Annually Permit Year 1-5	1. Report number of staff with license	
	herbicides, and fertilizers.	2. Provide training for staff on the use of chemicals.	2. Annually Permit Year 1-5	2. Report number of staff that attended training and type of training.	
Permit Ref.	3.7.6: Vehicle and Equipment Maint Measures to prevent and minimize comequipment maintenance and/or cleaning industrial permitting comply with those perform routine inspections, and estable	tamination of stormwater runo g. The permittee shall ensure e permit requirements, provide	that municipal industrial far routine pollution prevent	acilities subject to NPDES	
BMP	A	В	C	D	
No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	
35.	Vehicle Washing and Maintenance Program				
	Document and maintain procedures to prevent or minimize contamination of stormwater runoff from all areas	Maintain procedures for vehicle and equipment cleaning operations and	1. Annually Permit Year 1-5	1. Yes / No	

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Permit Ref.	3.7.7: Pavement Management Programmeasures to reduce pollutants in storm permittee's corporate limits. The permipollutants associated with vehicles, and	water runoff from municipal ittee shall implement measu:	res to control litter, leaves, d	ebris, particulate and fluid
BMP	A	В	C	D
No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
36.	Streets, Roads, and Public Parking L	ots Maintenance Program		
	Implement and maintain street sweeping program to reduce polluted stormwater runoff from municipally owned streets, roads, and public parking lots within the city as fiscally feasible.	1. Evaluate options to implement BMPs to reduce polluted stormwater runoff from municipally owned streets, roads, and public parking lots. Factors for evaluation are water quality benefits, technical feasibility, safety, and fiscal responsibility.	1. Permit Year 1	1. Yes / No
		2. Create and maintain street sweeping program for reducing polluted stormwater runoff from municipally owned streets, roads, and public parking lots.	2. Permit Year 2-5	2. Cubic Yards of Debris & Pollutant Collected.