

Stormwater Management Plan

City of Belmont

NCS000409



BELMONT
NORTH CAROLINA

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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 Belmont 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 Belmont 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 NCS000409, 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 Belmont and located within the corporate limits of the City of Belmont.

In preparing this SWMP, the City of Belmont has evaluated its MS4 and the permit requirements 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.

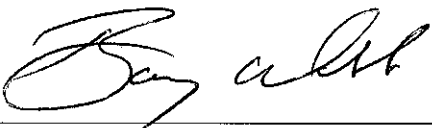
PART 2: CERTIFICATION

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.

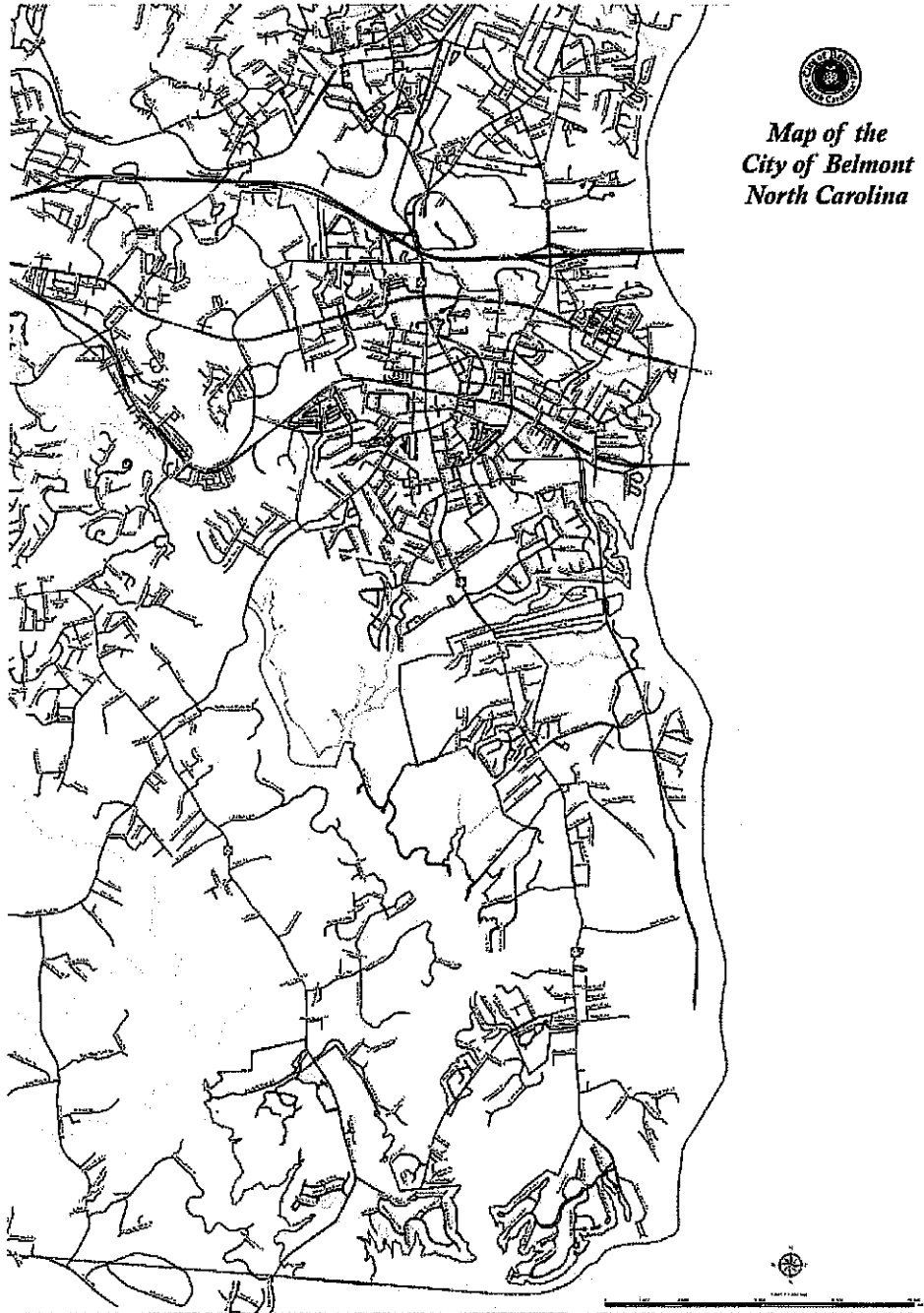
- I am a ranking elected official.
- I am a principal executive officer for the permitted MS4.
- I am a duly authorized representative for the permitted MS4 and have attached the authorization made in writing by a principal executive officer or ranking elected official which specifies me as (*check one*):
 - A specific individual having overall responsibility for stormwater matters.
 - A specific position having overall responsibility for stormwater matters.

Signature:	
Print Name:	BARRY WEBB
Title:	INTOPEM CITY MANAGER
Signed this <u>21st</u> day of 20 <u>23</u> .	

PART 3: MS4 INFORMATION

3.1 Permitted MS4 Area

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



3.2 Existing MS4 Mapping

The current MS4 mapping includes pipes, flow direction, inverts, junction boxes, inlets, catch basins, outfalls, sizes, conditions, inspection dates and pictures.

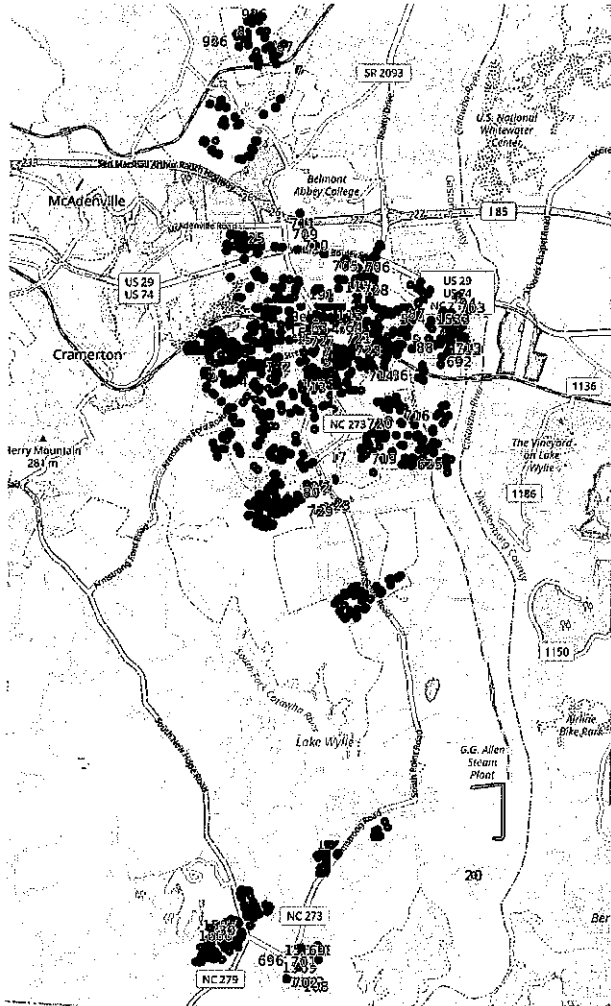


Table 1: Summary of Current MS4 Mapping

Percent of MS4 Area Mapped	70%	%
No. of Major Outfalls* Mapped	4	total

**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 \geq 2-acres.*

3.3 Receiving Waters

The City of Belmont MS4 is located within the Catawba 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](#)
- [Impaired Waters and TMDL Map](#)
- Most recent NCDEQ Final [303\(d\) List](#)

Table 2: Summary of MS4 Receiving Waters

Receiving Water Name	Stream Index / AU Number	Water Quality Classification	303(d) Listed Parameter(s) of Interest
Catawba River	11-(1)	WS-IV; CA	PCB Fish Tissue Advisory
Catawba River (Lake Wyle Below Elevation 570)	11-(117)	WS-V; B	PCB Fish Tissue Advisory
Catawba (Lake Wylie South Fork Arm)	11-(123.5)	WS-V; B	Copper, PCB Fish Tissue Advisory
South Fork Catawba River	11-129-(0.5)	WS-V	None
South Fork Catawba River Tributary 2	11-129-(2.5)	None	None
Fites Creek	11-121-(1)	WS-IV	None
Fites Creek Tributary 1	11-121-(2)	None	None
Fites Creek Tributary 1A	11-121-(2)	None	None
Unnamed Tributary at Belmont Abbey College	11-123-(1)	WS-IV	None
Stpwe Branch	11-127	None	None
Stpwe Tributary	11-127	None	None
Halls Rocky Branch	11-135-11	None	None
Nancy Hanks Branch	N/A	None	None
Curtis Branch	N/A	None	None
Kitty's Branch	N/A	None	None

3.4 MS4 Interconnection

The City of Belmont MS4 is not interconnected with another regulated MS4 and directly discharges to the receiving waters as listed in Table 2 above.

The MS4 does interconnect with the statewide NCDOT MS4 and includes:

- a. The interconnection is receiving stormwater from the NCDOT MS4. The number of interconnections is known/estimated/unknown. Quantity: 4
- b. The interconnection is discharging stormwater into the NCDOT MS4. The number of interconnections is known/estimated/unknown. Quantity: 3
- c. The City of Belmont MS4 mapping does identify interconnections with the NCDOT MS4.
- d. The City of Belmont MS4 mapping does not include NCDOT MS4 outfalls.

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 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 Waste Load Allocation (Y/N)	Water Quality Recovery Program (Y/N)
Lake Wylie	Phosphorous, Nitrogen	No	Yes

- Public Education and Outreach: Spotlight erosion and sedimentation control, lawn care and disposal of yard waste, and illicit discharges in educational materials and at educational events to inform citizens of the negative impacts total phosphorus and total nitrogen can have on water quality. Promote the Stormwater hotline/helpline and encourage citizens to report observed or suspected pollution.
- Public Involvement and Participation: maintain the volunteer storm drain labeling program with efforts to increase participation. Promote the Stormwater hotline/helpline and encourage citizens to report observed or suspected pollution. Recommend to the Stormwater Committee starting a Volunteer Stream Clean-Up or Adopt-A-Stream Program.
- Illicit Discharge Detection and Elimination (IDDE): maintain the IDDE Program and with efforts to increase the number of stream walks and system inspections to find and eliminate illicit

discharges and/or connections. Promote the Stormwater hotline/helpline and encourage citizens to report observed or suspected pollution.

- Construction Site Runoff Controls: Maintain construction site inspections and reporting to Gaston Natural Resources. Gaston Natural Resources permits and enforces the E&SC Ordinance.
- Post-Construction Site Runoff Controls: maintain the current program and ensure that new development, and redevelopment, subject to Stormwater Ph II Rules or WSIV Rules are following through with approved plans, BMP inspection and maintenance, and annual reporting.
- Pollution Prevention and Good Housekeeping for Municipal Operations: Maintain and evaluate Facility Stormwater Pollution Prevention Plans (SWPPPs) to work better for each unique facility. Maintain Street Sweeping Program.

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
N/A	N/A	N/A	N/A

3.7 Industrial Facility Discharges

The City of Belmont 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	Facility Name
NCG170346	Parkdale Mills Inc
NCG170361	Spartan Dyers Inc
NCG170421	Fiber Distribution Center
NCG110023	Belmont Wastewater Treatment Plant
NCS000409	City of Belmont MS4
NCG050407	Wilbert Plastic Services

3.8 Non-Stormwater Discharges

The water quality impacts of non-stormwater discharges have been evaluated by the City of Belmont as summarized in Table 6 below. The unpermitted non-stormwater flows listed as incidental do not significantly impact water quality. The City of Belmont 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 required that other non-stormwater flows be specifically controlled by the City of Belmont. The list of activities below are allowed provided they do not significantly impact water quality per our ordinance can be observed in table 6.

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 above, the City of Belmont is not aware of other significant water quality issues within the permitted MS4 area.

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 Belmont has evaluated schools, homeowners and businesses as target audiences that are likely to have significant stormwater impacts.

Homeowners were selected as a primary target for the educational program due to the significant positive and negative impacts they could have on water quality. This is also the group that will most likely engage in activities such as disposal of auto oil and household wastes, disposal of yard wastes, application of fertilizers, pesticides and herbicides, pet waste, etc. Commercial facilities such as gas stations, car washes, restaurants, shopping centers and industrial warehouses/plants were targeted for the educational program due to the significant impacts they could have on water quality by potentially improperly handling and disposing of wastes, making illicit connections to the storm drain system, and practicing poor housekeeping at their facilities. Through education, the City is hopeful that it can inform and advise the public of the small behavioral changes that can be made to improve water quality.

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)
Pesticides, Herbicides, and Fertilizers	Residents, Businesses	Public Education & Outreach

PART 4: STORMWATER MANAGEMENT PROGRAM ADMINISTRATION

4.1 Organizational Structure

Organizational Chart

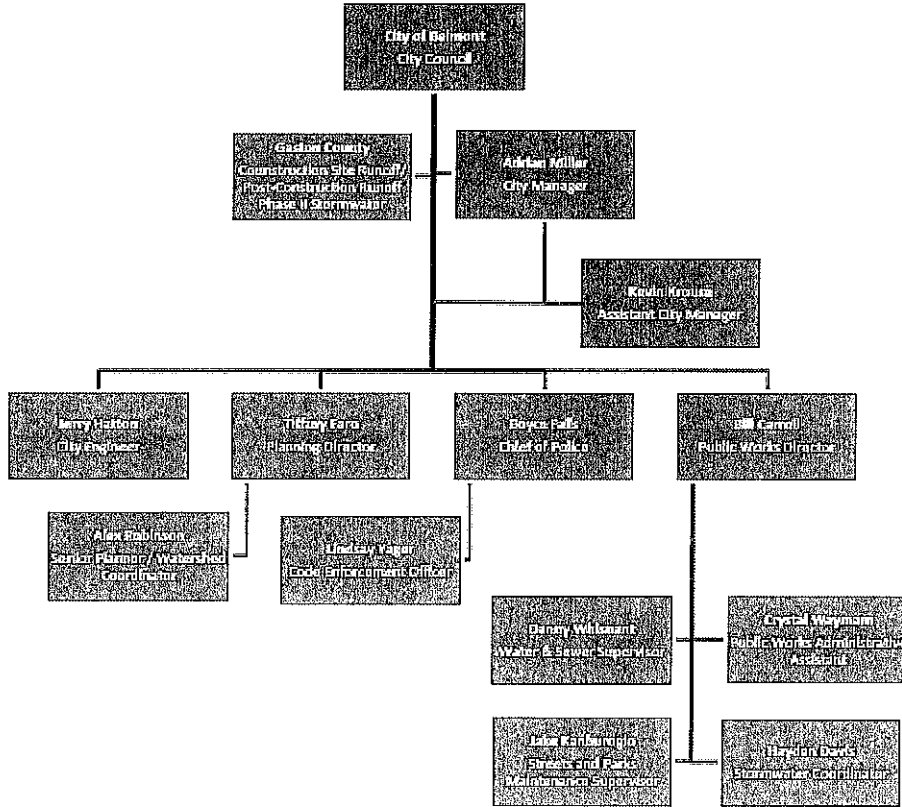


Table 8: Summary of Responsible Parties

SWMP Component	Responsible Position	Staff Name	Department
Stormwater Program Administration	Stormwater Coordinator	Hayden Davis	Public Works
SWMP Management	Stormwater Coordinator	Hayden Davis	Public Works
Public Education & Outreach	Stormwater Coordinator	Hayden Davis	Public Works

Public Involvement & Participation	Stormwater Coordinator	Hayden Davis	Public Works
Illicit Discharge Detection & Elimination	Stormwater Coordinator	Hayden Davis	Public Works
Construction Site Runoff Control	Stormwater Administrator	Joseph Alm	Gaston County Natural Resources
Post-Construction Stormwater Management	Stormwater Administrator	Joseph Alm	Gaston County Natural Resources
Pollution Prevention/Good Housekeeping for Municipal Operations	Stormwater Coordinator	Hayden Davis	Public Works
Municipal Facilities Operation & Maintenance Program	Stormwater Coordinator	Hayden Davis	Public Works
Spill Response Program	Stormwater Coordinator	Hayden Davis	Public Works
MS4 Operation & Maintenance Program	Stormwater Coordinator	Hayden Davis	Public Works
Municipal SCM Operation & Maintenance Program	Stormwater Coordinator	Hayden Davis	Public Works
Pesticide, Herbicide & Fertilizer Management Program	Stormwater Coordinator	Hayden Davis	Public Works
Vehicle & Equipment Cleaning Program	Stormwater Coordinator	Hayden Davis	Public Works
Total Maximum Daily Load (TMDL) Requirements	Stormwater Coordinator	Hayden Davis	Public Works

4.2 Program Funding and Budget

In accordance with the issued permit, the City of Belmont 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 Belmont is sound financially and has the funding and staff capacity to complete the work that needs to be done now. While there are plans for future revenue increases and increased amount of staff to support identified future needs, those needs continue to grow and the ability to dedicate new resources to stormwater projects may be limited.

The stormwater department is funded by a monthly fee of \$5.00 for residential homes or for commercial businesses of equivalent dwelling unit.

4.3 Shared Responsibility

The City of Belmont will share the responsibility to implement the following minimum control measures, which are at least as stringent as the corresponding NPDES MS4 Permit requirement. The City of Belmont remains responsible for compliance if the other entity fails to perform the permit obligation and may be subject to enforcement action if neither the City of Belmont nor the other entity fully performs the permit obligation. Table 9 below summarizes who will be implementing the component, what the component program is called, the specific SWMP BMP or permit requirement that is being met by the shared responsibility, and whether or not a legal agreement to share responsibility is in place.

SWMP BMP or Permit Requirement	Implementing Entity & Program Name	Legal Agreement (Y/N)
N/A	N/A	N

Table 9: Shared Responsibilities

SWMP BMP or Permit Requirement	Implementing Entity & Program Name	Legal Agreement (Y/N)
N/A	N/A	N

4.4 Co-Permittees

The are no other entities applying for co-permittee status under the NPDES MS4 permit number NCS000409 for the City of Belmont. Table 10 summarizes contact information for each co-permittee.

Table 10: Co-Permittee Contact Information

Co-Permittee MS4 Name	Contact Person	Phone & E-Mail	Interlocal Agreement (Y/N)
N/A	N/A	N/A	N/A

4.5 Measurable Goals for Program Administration

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

Table 11: Program Administration BMPs				
Permit Ref.	2.1.2 Program Implementation			
	Measures to evaluate the performance and effectiveness of the SWMP program components at least annually. Results shall be used by the permittee to modify the program components as necessary to accomplish the intent of the Stormwater Program.			
BMP No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#. 1	Annual Self-Assessment			
	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. Perform an evaluation if the program is being adequately funded.	1. Prepare, conduct and document an annual evaluation of the program components.	1. Permit year 1-5 annually	1. Yes/No
#. 2	Written Procedures Tracking			
	Create and track all written procedures of the stormwater management program.	1. Create all written procedures for the permit years.	Annually; permit year 1	Yes/No
2. Continue to track written procedures and update as needed.		Annually; permit year 2-5	Yes/No	

Table 11: Program Administration BMPs

Permit Ref.	1.6: Permit Renewal Application Measures to submit a permit renewal application no later than 180 days prior to the expiration date of the NPDES MS4 permit.			
BMP No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#. 2	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 re-issuance.	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

PART 5: PUBLIC EDUCATION AND OUTREACH PROGRAM

The City of Belmont 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.

Table 12: Summary of Target Pollutants & Audiences

Target Pollutants/Sources	Target Audience(s)
Lawn Care Activities	General Public, Businesses, Municipal Employees
Improper Disposal	General Public, Businesses, Municipal Employees
Poor Housekeeping	General Public, Businesses
Erosion	Businesses
Pet Waste	General Public, Businesses, Municipal Employees

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

Table 13: Public Education and Outreach BMPs				
Permit Ref.	3.2.2 and 3.2.4: Outreach to Targeted Audiences Measures to identify the specific elements and implementation of a Public Education and Outreach Program to 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 in 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 No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#. 3	Participate and implement a public outreach program			
	Participate and implement a public outreach program	Attend 2 events hosted by Belmont or other local organizations. Have a tent/table at events with public education material to distribute.	Permit year 1-5 annually	Number of events attended and participated

Table 13: Public Education and Outreach BMPs

Permit Ref.	2.1.7, 3.2.3 and 3.6.5(c): Web Site Measures to provide a web site designed to convey the program’s message(s) and provide online materials including ordinances, or other regulatory mechanisms, or a list identifying the ordinances or other regulatory mechanisms, providing the legal authority necessary to implement and enforce the requirements of the permit and SWMP. The web page shall also provide developers with all relevant post-construction requirements, design standards, checklists and/or other materials.			
BMP No.	A Description of BMP	B Measurable Goal(s)	C Schedule for Implementation	D Annual Reporting Metric
#. 4	Informational Website			
	Promote and maintain an internet website designed to convey the public outreach program’s message	Maintain informational website	Continuous; Permit year 1-5	Yes or no
Permit Ref.	3.2.5: Stormwater Hotline Measures for a stormwater hotline/helpline for the purpose of public education and outreach.			
BMP No.	A Description of BMP	B Measurable Goal(s)	C Schedule for Implementation	D Annual Reporting Metric
#. 5	Maintain Hotline/Help Line			
	Promote and maintain a stormwater hotline/helpline for the purpose of public education and outreach.	Maintain stormwater hotline	Continuous; Permit year 1-5	Yes or no

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 Belmont++ will manage, implement, and report the following public involvement and participation BMPs.

Table 14: 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 No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#. 6	Regional Stormwater Partnership of the Carolinas Membership			
	Maintain an active membership with the Regional Stormwater Partnership of the Carolinas.	Attends RSPC meetings (in-person or virtual)	Quarterly; Permit year 1-5	# of meetings attended
#. 7	Social Media Involvement			
	Create stormwater informational posts that include upcoming events, stormwater department information, stormwater hotline promotion, and etc. on any of the Belmont social media accounts.	Post 4 stormwater related social media posts	Quarterly; Permit year 1-5	# of posts created and posted on social media
Permit Ref.	3.3.2: Volunteer Opportunities Measures to provide volunteer opportunities designed to promote ongoing citizen participation.			
BMP No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#. 8	Creek Clean Up			
	Host and promote creek clean up event on social media requesting volunteers needed.	Host 1 creek clean up	Annually; Permit year 1-5	# of participants
#. 9	Storm Drain Labeling			
	Host and promote storm drain labeling events requesting volunteers to label the catch basins along city roads.	Host 2 storm drain labeling events	Bi-Annually; Permit year 1-5	# of volunteers

PART 7: ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

The City of Belmont 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 15: Illicit Discharge Detection and 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 No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#. 10	Maintain a Storm Sewer System Map of Major Outfalls			
	Maintain a current digital map of showing major outfalls, catch basins, junction boxes, etc.	Maintain storm sewer map	Continuous; Permit year 1-5	Yes or no
Permit Ref.	3.4.2: Regulatory Mechanism Measures to provide an IDDE ordinance or other regulatory mechanism that provides legal authority to prohibit, detect, and eliminate illicit connections and discharges, illegal dumping and spills into the MS4, including enforcement procedures and actions.			
BMP No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#. 11	Maintain illicit discharge detections elimination program			
	City of Belmont staff will review the IDDE program and update/revise as needed.	Staff will review IDDE program and update as needed.	Annually; Permit year 1-5	Yes or no
#.12	Dry Weather Screening			
	Maintain program for conducting dry weather flow field observations in accordance with a written procedure for detecting and removing the sources of illicit discharges.	Conduct 5 dry weather flows on outfalls	Continuous; Permit year 1-5	# of dry weather screening inspections completed

Table 15: Illicit Discharge Detection and Elimination 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: <ul style="list-style-type: none"> a) Locate priority areas likely to have illicit discharges, b) Conduct routine dry weather outfall inspections, c) Identify illicit discharges and trace sources, d) Eliminate the source(s) of an illicit discharge, and e) Evaluate and assess the IDDE Program. 			
BMP No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#. 13	Investigate and Record all IDDE Reports			
	Maintain and record all illicit discharge reports and incidents via excel reports and work orders.	Keep an updated record of work orders and excel reports tracking illicit discharge incidents	Continuous; Permit year 1-5	# of IDDE reports
Permit Ref.	3.4.4: IDDE Tracking			
	Measures for tracking and documenting the date(s) an illicit discharge, illicit connection or illegal dumping was observed, the results of the investigation, any follow-up of the investigation, the date the investigation was closed, the issuance of enforcement actions, and the ability to identify chronic violators.			
BMP No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#. 14	Track Investigations and Document Illicit Discharges			
	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	Maintain files on all illicit discharge investigations.	Continuous; Permit year 1-5	# of illicit discharge investigations and # of illicit discharges identified
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.			
BMP No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric

Table 15: Illicit Discharge Detection and Elimination BMPs

#. 15	Public Works Employee General Training			
	Implement and document a training program for municipal staff who may come into contact with or observe an illicit discharge or illicit connection to the storm sewer system.	Host 1 training presentation for appropriate municipal staff	Annually; Permit year 1-5	# of trained staff
#. 16	Stormwater Employees IDDE training			
	Implement and document a training program for stormwater department staff who come into contact with or observe an illicit discharge or illicit connection to the storm sewer system.	Review/Watch 1 IDDE training by credited organization	Annually; Permit year 1-5	# of trained staff
Permit Ref.	3.4.6: IDDE Reporting Measures for the public and staff to report illicit discharges, illegal dumping and spills. The mechanism shall be publicized to facilitate reporting and shall be managed to provide rapid response by appropriately trained personnel.			
BMP No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#. 17	Stormwater Hotline			
	Promote and maintain a stormwater hotline/helpline for the partial purpose of illicit discharge/connection reporting by the public.	Maintain and promote stormwater hotline for illicit discharge reporting	Continuous; Permit year 1-5	Yes or no

PART 8: CONSTRUCTION SITE RUNOFF CONTROL PROGRAM

In accordance with 15A NCAC 02H .0153, the City of Belmont 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 state SPCA Program is either delegated to a city/town, delegated to a county, or implemented by NCDEQ in non-delegated areas.

Table 16: Qualifying Alternative Program Components for Construction Site Runoff Control Program

Permit Reference	State or Local Program Name	Legal Authority	Implementing Entity
3.5.1 - 3.5.4	Gaston County Natural Resources	Interlocal Agreement, Local Ordinance	Gaston County

* The local delegated SPCA Program ordinance(s)/regulatory mechanism(s) can be found at: [Chapter 4 - BUILDINGS, CONSTRUCTION AND RELATED ACTIVITIES | Code of Ordinances | Gaston County, NC | Municode Library](#)

The City of Belmont also implements the following BMPs to meet NPDES MS4 Permit requirements.

Table 17: Construction Site Runoff Control 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.			
BMP No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#. 18	Public Reporting Mechanism			
	Receive and track calls from the public on the protocols for referral and tracking of construction site runoff control complaints.	Document and update erosion/runoff complaints via work orders and contact Gaston County as necessary	Continuous; Permit year 1-5	# of erosion/ runoff complaints received
Permit Ref.	3.5.5: Waste Management			
	Measures to require 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 impact to water quality.			
	A	B	C	D

Table 17: Construction Site Runoff Control BMPs

BMP No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#. 19	Gaston County Soil Erosion and Sedimentation Control Ordinance			
	Borrow and Waste Management: Section 11 of the Gaston County Soil Erosion and Sedimentation Control Ordinance.	Report any concerns to Gaston County	Continuous; Permit year 1-5	Yes or no

PART 9: POST-CONSTRUCTION SITE RUNOFF CONTROL PROGRAM

This SWMP identifies the minimum elements to develop, implement and enforce a program to address 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 Belmont 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.

In accordance with 15A NCAC 02H .0153 and .1017, the City of Belmont implements the following State post-construction program requirements, which satisfy the NPDES Phase II MS4 post-construction site runoff control requirements as Qualifying Alternative Programs (QAPs) in the MS4 area(s) where they are implemented.

Table 18: Qualifying Alternative Program(s) for Post-Construction Site Runoff Control Program =

State QAP Name	State Requirements	Local Ordinance / Regulatory Mechanism Reference
Water Supply Watershed (WS-IV)	15A NCAC 2B .0620 - .0624	Inter-local agreement

The City of Belmont has existing requirements other than Qualifying Alternative Program(s) for implementation of the NPDES Phase II MS4 post-construction program requirements. These existing requirements are codified in local ordinance(s), and implementation is further defined in guidance, manuals and/or standard operating procedure(s) as summarized in Table 19 below.

Table 19: Summary of Existing Post-Construction Program Elements

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

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 No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric

Table 20: Post Construction Site Runoff Control BMPs

<p>#. 20</p>	<p>Standard Reporting</p>			
	<p>Implement standardized tracking, documentation, inspections and reporting mechanisms to compile appropriate data for the annual self-assessment process. Data shall be provided for each Post-Construction/Qualifying Alternative Program being implemented as listed in Tables 18 and 19.</p>	<p>Track number plan reviews approved</p>	<p>Continuous; Permit year 1-5</p>	<p>Number of plan approvals issued</p>
<p>Permit Ref.</p>	<p>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.</p>			
<p>BMP No.</p>	<p>A</p>	<p>B</p>	<p>C</p>	<p>D</p>
	<p>Description of BMP</p>	<p>Measurable Goal(s)</p>	<p>Schedule for Implementation</p>	<p>Annual Reporting Metric</p>
<p>#. 21</p>	<p>Gaston Natural Resources</p>			
	<p>Report any concerns/complaints about erosion control to Gaston County Natural Resources</p>	<p>Report all formal complaints to Gaston County and track in iWorq system</p>	<p>Continuous; Permit year 1-5</p>	<p>Number of formal complaints</p>
<p>Permit Ref.</p>	<p>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).</p>			
	<p>A</p>	<p>B</p>	<p>C</p>	<p>D</p>

Table 20: Post Construction Site Runoff Control BMPs

BMP No.	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#. 22	Plan submissions to city			
	City of Belmont's planning department will review submitted plans.	Review submitted plans alongside planning department	Continuous; Permit year 1-5	Number of plans reviewed
Permit Ref.	<p>3.6.4: Inspections and Enforcement 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(s), (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) Require that inspections be conducted by a qualified professional.</p>			
BMP No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#. 23	Annual BMP Inspections			
	Property owners that have a BMP are to send in an annual inspection report to the City of Belmont stormwater coordinator.	Review and collect annual stormwater BMP inspections	Continuous; Permit year 1-5	Number of inspections collected
Permit Ref.	<p>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.</p>			
BMP No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#. 24	Good Housekeeping SWPPP			
	The site will maintain a SWPPP containing all possible illicit discharges on property.	Review property's proposed SWPPP	Continuous; Permit year 1-5	Yes or No

PART 10: POLLUTION PREVENTION AND GOOD HOUSEKEEPING PROGRAMS

This SWMP provides a comprehensive pollution prevention and good housekeeping strategy for the City of Belmont 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 Belmont 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.			
BMP No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#. 25	Inventory of municipally owned or operated facilities			
	Maintain current inventory of facilities and operations owned and operated by the city of Belmont with the potential for generating polluted stormwater runoff.	Maintain inventory of municipally owned and operated facilities.	Annually; Permit year 1-5	# of municipally owned lots/buildings/facilities

Table 21: Pollution Prevention and Good Housekeeping BMPs

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 No.	A Description of BMP	B Measurable Goal(s)	C Schedule for Implementation	D Annual Reporting Metric
#. 26	Spill Response Procedures			
	Have and promote spill response procedures in municipal owned and operated facilities.	Promote spill response procedures in each municipal building and storage park sheds used by city employees.	Continuous; Permit year 1-5	# of buildings/facilities spill response procedure is posted
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 No.	A Description of BMP	B Measurable Goal(s)	C Schedule for Implementation	D Annual Reporting Metric
#. 27	Operation and Maintenance for Municipally Owned or Operated Facilities			
	Maintain 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.	Maintain the Stormwater Pollution Prevention Plan (SWPPP) for municipally owned facilities with the potential for generating polluted stormwater runoff.	Daily/Weekly/Monthly; Permit year 1-5	Yes or 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 No.	A Description of BMP	B Measurable Goal(s)	C Schedule for Implementation	D Annual Reporting Metric
#. 28	Maintain municipally owned or maintained structural stormwater control measures			
	Maintain a current inventory of municipally owned or operated structural stormwater control measures.	Maintain an inventory of municipally owned or operated SCMs	Continuous; Permit year 1-5	Yes or No

Table 21: Pollution Prevention and Good Housekeeping BMPs				
#. 29	Inspection of Stormwater Control Measures			
	Inspect municipally owned or maintained structural stormwater control measures.	Inspect municipally owned or maintained structural stormwater control measures	Annually; Permit year 1-5	# of SCMs inspected
Permit Ref.	3.7.5: Pesticide, Herbicide and Fertilizer Management Program Measures to minimize water quality impacts from the use of landscape chemicals. The permittee shall provide routine pollution prevention and chemical use, storage and handling training, and shall ensure compliance with permits and applicator certifications.			
BMP No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#. 30	Pesticide, Herbicide, and Fertilizer Application Management			
	Ensure municipal employees are properly trained and all permits, certifications, and measures for applicators are followed.	Identify employees who apply pesticides, herbicides, and fertilizers for the city. Ensure certifications are up to date and measures for the applicators are followed.	Annually; Permit year 1-5	# of licensed pesticide operators in the city
Permit Ref.	3.7.6: Vehicle and Equipment Maintenance Program Measures to prevent and minimize contamination of stormwater runoff from areas used for municipal vehicle and equipment maintenance and/or cleaning. The permittee shall ensure that municipal industrial facilities subject to NPDES industrial permitting comply with those permit requirements, provide routine pollution prevention training to staff, perform routine inspections, and establish specific frequencies, schedules, and documentation.			
BMP No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#. 31	Prevent or minimize contamination of Stormwater Runoff from all areas used for vehicle and equipment cleaning			
	Follow measures that prevent or minimize contamination of the stormwater runoff from all areas used for vehicle and equipment maintenance	Follow measures that prevent or minimize contamination of the stormwater runoff from all areas used for vehicle and equipment maintenance	Continuous; Permit year 1-5	Yes or no
BMP No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#. 32	Street Sweeper Program			
	Sweep at least 25% of municipal roadways in the city limits.	Sweep and track mileage of roads/streets swept	Annually; Permit year 1-5	% of city streets swept

