

Stormwater Management Plan
Town of Garner
NCS000420

April 14, 2023



NCS000420 SWMP
Town of Garner
April 14, 2023

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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 Town of Garner 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 Town of Garner 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 NCS000420, as issued by NCDEQ. This permit covers activities associated with the discharge of stormwater from the MS4 as owned and operated by the Town of Garner and located within the corporate limits of the Town of Garner.

In preparing this SWMP, the Town of Garner 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.

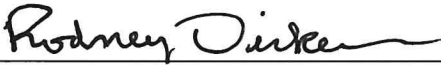
PART 2: CERTIFICATION

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.

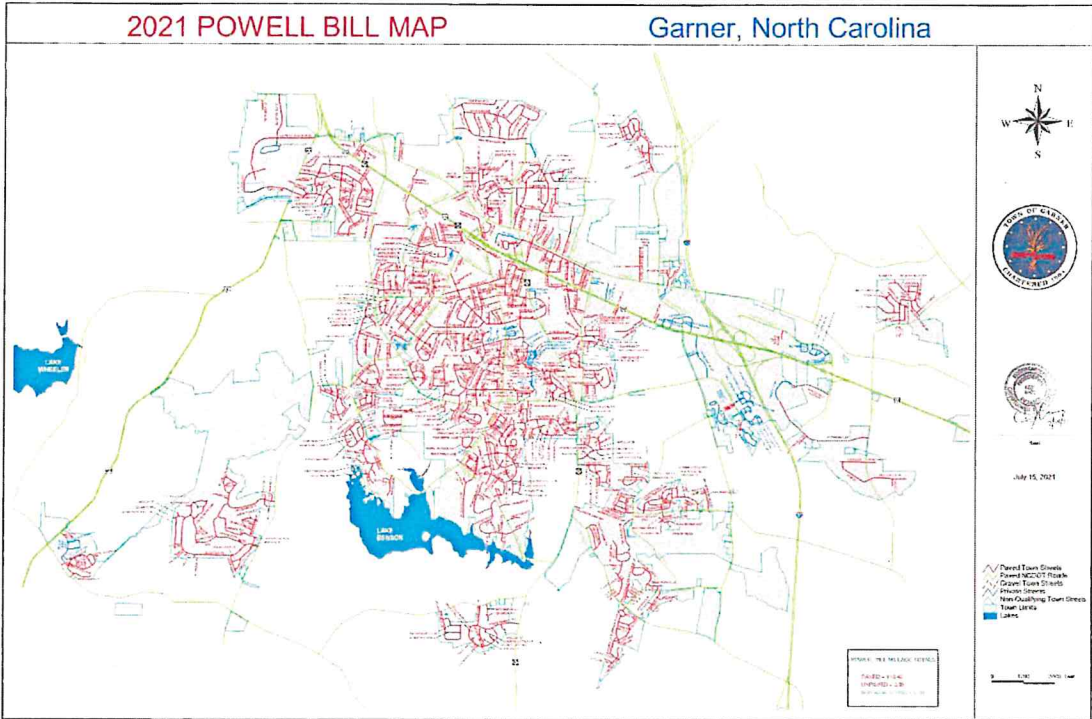
- I am a ranking elected official.
- I am a principal executive officer for the permitted MS4.
- I am a duly authorized representative for the permitted MS4 and have attached the authorization made in writing by a principal executive officer or ranking elected official which specifies me as (*check one*):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

| | |
|---|---|
| <i>Signature:</i> |  |
| <i>Print Name:</i> | Rodney Dickerson |
| <i>Title:</i> | Town Manager |
| Signed this 12 day of April 20 23 . | |

PART 3: MS4 INFORMATION

3.1 Permitted MS4 Area

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



3.2 Existing MS4 Mapping

The current MS4 mapping system consists primarily of reinforced concrete pipe with some corrugated metal pipe used in mainly residential and commercial areas. Most of the storm water enters the system through catch basins and some yard inlets. All SCMs that are owned by private developments or HOAs as well as publicly by the Town of Garner are also mapped within the Town of Garner GIS system, but not represented on the above map. Maps of the stormwater collection system are updated on a routine basis as the Town receives as-builts of completed development projects.

Table 1: Summary of Current MS4 Mapping

| | | |
|-------------------------------|------|-------|
| Percent of MS4 Area Mapped | 95 | % |
| No. of Major Outfalls* Mapped | ~165 | 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.*

The storm sewer system map was developed with initial criteria and every year starting in 2003, approximately 95% of the system has been mapped with additional information. The map is in digital form and paper maps can be created upon request. Discrepancies that were found by field verification were noted and changed accordingly. The storm sewer system is updated as the town receives as-built drawings, and any field discrepancies are changed accordingly as they are noted. The maps can be accessed through the Engineering Department of the Town. The number of major outfalls maps changes each year as we update our mapping to include new infrastructure. The number of major outfalls mapped above represents the current number of outfalls that are checked through high priority dry weather screenings. These numbers are updated within high priority areas when screened as new infrastructure has been added.

3.3 Receiving Waters

The Town of Garner MS4 is located within the Neuse 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:

- o [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 / AU Number | Water Quality Classification | 303(d) Listed Parameter(s) of Interest |
|----------------------------------|--------------------------|------------------------------|--|
| Swift Creek (Lake Benson) | 27-43-(5.5) | WS-III; NSW, CA | Ecological/Benthos |
| Buck Branch | 27-43-6-(1) | WS-III; NSW | |
| Buck Branch | 27-43-6-(2) | WS-III; NSW, CA | |
| Reedy Branch | 27-43-7-(1) | WS-III; NSW | |
| Reedy Branch | 27-43-7-(2) | WS-III; NSW, CA | |
| Mahler's Creek | 27-43-9 | C; NSW | |
| White Oak Creek (Austin Pond) | 27-43-11 | C; NSW | |
| Unnamed Tributary to Swift Creek | 27-43-5-(2) | WS-III; NSW, CA | |
| Bagwell Branch | | Not Classified | |
| Echo creek | | Not Classified | |

3.4 MS4 Interconnection

The Town of Garner 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 unknown.
- b. The interconnection is discharging stormwater into the NCDOT MS4. The number of interconnections is unknown.
- c. The Town of Garner MS4 mapping does identify some interconnections with the NCDOT MS4.
- d. The Town of Garner MS4 mapping does include some, not all, 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) |
|-----------------|------------------------------|--|--------------------------------------|
| N/A | | | |

The Town of Garner does not currently have any TMDLs, but there are 3 streams that are currently on the 303D list that include Swift Creek and Lake Benson. When a TMDL is assigned to the Town of Garner, the Town shall comply with the requirements of any approved TMDL. Within 12 months of the final approval of a TMDL, the Town annual reports shall include a description of existing programs, controls, partnerships, projects and strategies to address impaired waters and a brief explanation as to how the programs, controls, partnerships, projects and strategies address impaired waters. In the event of an adopted TMDL, a Water Quality Recovery Program will be adopted to address reduction of the pollutant levels of concern in accordance with an approved Waste Load Allocation (WLA) assigned to the Town.

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 | | | |

3.7 Industrial Facility Discharges

The Town of Garner MS4 jurisdictional area includes the following industrial facilities which hold NPDES Industrial Stormwater Permits, as determined from the [NCDEQ Maps & Permit Data web page](#).

Currently there is only one municipal facility owned by the Town of Garner that holds an additional MS4 NPDES Industrial Permit to release stormwater, the Wade H Vester Public Works Center. Municipal employees are trained annually on pollution prevention and good housekeeping, general stormwater information, stormwater control measure maintenance and illicit discharges. The municipal facility has an annual inspection for the vehicle maintenance shop, fueling station and grounds and the outfall on site that drains the fueling area is inspected twice a year for any stormwater pollution discharges. Table 5 includes all other NDPEs Stormwater Permitted Industrial facilities within the Town of Garner.

Table 5: NPDES Stormwater Permitted Industrial Facilities

| Permit Number | Facility Name |
|---------------|--|
| NCG080688 | Town of Garner – Wade H Vester Public Works Center |
| NCGNE1322 | Martin-Brower Distribution Center |
| NCG210346 | Pergo, Inc. |
| NCG030111 | Morris & Associates Incorporated |
| NCG140074 | Ready Mixed Concrete |
| NCG140236 | ST Wooten |
| NCG200510 | TT&E Iron & Metal, Inc. |
| NCG130026 | Safety Kleen Corp |
| NCGNE1212 | BG James Moore ARC NC019 |
| NCG060420 | Amazon.com Services LLC – DRT7 |
| NCG060235 | Dominos Pizza Distribution |
| NCG160232 | ST Wooten |
| NCG070072 | Oldcastle Infrastructure |

3.8 Non-Stormwater Discharges

The water quality impacts of non-stormwater discharges have been evaluated by the Town of Garner as summarized in Table 6 below. The unpermitted non-stormwater flows listed as incidental do not significantly impact water quality. The Town of Garner 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 Town of Garner.

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 Town of Garner to determine whether they may significantly impact water quality. Any commercial car wash or detergents that are draining to the storm drain system receive a notice of violation (NOV) until they connect their wash water to sanitary sewer or an oil/water separator.

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 Town of Garner is aware of other significant water quality issues within the permitted MS4 area. These include fertilizer and application of lawn care products, general stormwater, disposal of household chemicals and used oil, car washing, pet waste and litter. Some of these topics are currently targeted by our regional partnership with the Clean Water Education Partnership and other items are tackled through the Town of Garner Engineering Department based on citizen complaints as well as field observations. Litter, pet waste, fats and oils have been the most recent focus as well as educating restaurant owners regarding illicit discharges.

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 Town of Garner 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 |
| Fertilizer | Residents, Businesses | Public Education & Outreach |
| Household Chemicals | Residents | Public Education & Outreach |
| Pet Waste | Residents | Public Education & Outreach |
| Illicit Discharges | Businesses | Public Education & Outreach |
| Car Washing | Residents, Businesses | Public Education & Outreach |
| Used Oil | Residents, Businesses | Public Education & Outreach |
| Yard Waste | Residents, Landscaping Businesses | Public Education & Outreach |
| Fats, Grease and Oil | Residents, Business | Public Education & Outreach |

The Town of Garner has a Public Education Action Plan in Section 5-B of the Town of Garner Stormwater Program for Nitrogen Control. We continue to participate in the Clean Water Education Partnership coordinated by the Triangle J Council of Governments (TJCOG). See agreement between TJCOG and the Town of Garner located in attachment 5. We also participate in various educational opportunities as they arise throughout Town. The Town participates in two semi-annual events that incorporate both the Litter Sweep and Big Sweep for the past permit years anticipate continued participation in the future as time and weather permits. The Town also utilizes CWEP's Americorps volunteer to attend a Town Event to promote stormwater education. The Town of Garner also produces mass media stormwater education commercials for the Garner cable access channel, Town of Garner website and social media (Facebook and Instagram). Stormwater educational give-a-ways are also awarded to the community at applicable Town events.

PART 4: STORMWATER MANAGEMENT PROGRAM ADMINISTRATION

4.1 Organizational Structure

The Town of Garner has one funded position, the Stormwater Program Administrator, who is responsible for implementation of the stormwater program and permit compliance. This position is housed within the Engineering Department but works closely with other departments such as Public Works, Inspections and Planning to comply with all aspects of the stormwater permit. The Stormwater Program Administrator works closely with Development Services (Planning Department and Inspections Department) to complete site plan and construction drawing review of all development projects as well as with Public Works for all aspects that pertain to the good housekeeping and pollution prevention minimum measure. This position is also responsible for public education and outreach and public involvement. The Town also maintains a partnership with the Clean Water Education Partnership (CWEP) for mass media and public involvement opportunities as well, although the Stormwater Program Manager produces target pollutant PSAs for the Town with the help of the Communications Specialist that run on social media and Garner’s cable access channel. The Stormwater Program Administrator is responsible for the Illicit Discharge Detection and Elimination program (complaints, education, and dry weather screening) as well as annual SCM inspections for publicly and privately owned stormwater control measures for maintenance compliance. This position trains Public Works employees annually on general stormwater, SCM maintenance, good housekeeping and pollution prevent, and illicit discharges as well as completes an annual facility inspection.

The Public Works Department is responsible for several items within the Good Housekeeping and Pollution Prevention measure as well as compliance with their own MS4 permit to discharge stormwater. They train employees in spill response; complete maintenance of storm drain conveyance system, manage pesticide/fertilizer and herbicide licenses as well as operate the street sweeper.

An organizational chart for the Town as well as the Engineering Department is attached.

Table 8: Summary of Responsible Parties

| SWMP Component | Responsible Position | Staff Name | Department |
|------------------------------------|----------------------------------|-----------------|-------------|
| Stormwater Program Administration | Stormwater Program Administrator | Jaclyn Stannard | Engineering |
| SWMP Management | Stormwater Program Administrator | Jaclyn Stannard | Engineering |
| Public Education & Outreach | Stormwater Program Administrator | Jaclyn Stannard | Engineering |
| Public Involvement & Participation | Stormwater Program Administrator | Jaclyn Stannard | Engineering |

| | | | |
|---|--|---------------------------------|---------------------------|
| Illicit Discharge Detection & Elimination | Stormwater Program Administrator | Jaclyn Stannard | Engineering |
| Construction Site Runoff Control | Wake County | Andrew Lake | Environmental Services |
| Post-Construction Stormwater Management | Stormwater Program Administrator | Jaclyn Stannard | Engineering |
| Pollution Prevention/Good Housekeeping for Municipal Operations | Stormwater Program Administrator | Jaclyn Stannard | Engineering |
| Municipal Facilities Operation & Maintenance Program | Stormwater Program Administrator/Public Works Assistant Director | Jaclyn Stannard/Tyson Langdon | Engineering/Public Works |
| Spill Response Program | Stormwater Program Administrator/Public Works Assistant Director | Jaclyn Stannard/Tyson Langdon | Engineering/Public Works |
| MS4 Operation & Maintenance Program | Stormwater Program Administrator/Public Works Assistant Director | Jaclyn Stannard, Tyson Langdon | Engineering/Public Works |
| Municipal SCM Operation & Maintenance Program | Stormwater Program Administrator/Public Works Streets Superintendent | Jaclyn Stannard/TL Bradley | Engineering/Public Works |
| Pesticide, Herbicide & Fertilizer Management Program | Public Works Parks Superintendent | Derek Walsh | Public Works |
| Vehicle & Equipment Cleaning Program | Fleet Manager, Stormwater Program Administrator | Lynwood Daniel, Jaclyn Stannard | Public Works, Engineering |
| Pavement Management Program | Public Works Assistant Director | Tyson Langdon | Public Works |
| Total Maximum Daily Load (TMDL) Requirements | N/A | N/A | N/A |

4.2 Program Funding and Budget

In accordance with the issued permit, the Town of Garner 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.

Currently there is one funded position for stormwater within the Town of Garner and that position is the Stormwater Program Administrator. This position salary plus benefits is \$119,489 plus an additional \$5,000 budget for education for a total of \$124,489 for the primary funding source for the program. Heavy equipment like the street sweeper or drainage repair projects are funded through the Town of Garner's general fund and evaluated on a year by year basis as needed.

4.3 Shared Responsibility

The Town of Garner 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 Town of Garner remains responsible for compliance if the other entity fails to perform the permit obligation and may be subject to enforcement action if neither the Town of Garner 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. The legal agreement for Construction Runoff Controls with Wake County can be found as Appendix A. Documents for agreement with the Clean Water Education Partnership and the Town of Garner can be found as Appendix B.

Table 9: Shared Responsibilities

| SWMP BMP or Permit Requirement | Implementing Entity & Program Name | Legal Agreement (Y/N) |
|-----------------------------------|--|-----------------------|
| Public Education and Outreach | Clean Water Education Partnership (CWEP) | Y |
| Construction Site Runoff Controls | Wake County Sediment and Erosion Control Program | Y |
| | | |

4.4 Co-Permittees

There are no other entities applying for co-permittee status under the NPDES MS4 permit number NCS000420 for the Town of Garner. 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 | | | |
| | | | |
| | | | |

4.5 Measurable Goals for Program Administration

The Town of Garner 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. | 1. Prepare, conduct and document an annual evaluation of the program components. | 1. Permit Years 1 – 5. | 1. Yes/No. |
| 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 | | | |

Table 11: Program Administration BMPs

| | | | | |
|-----|---|--|----------------------|--|
| | 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. |
| #3. | Permittee shall create written programs for all 6 minimum measures and update them accordingly when programs need to be modified. | 1. Permittee shall create and assess all 6 written programs for minimum measures annually and modify them as necessary. | 1. Permit years 1-5. | 1. Yes/No. |
| #4. | Permittee shall maintain adequate funding and staffing to meet all the permit requirements. | 1. Evaluate funding and staffing needs annually in order to maintain an adequate program to satisfy all permit requirements or determine if there is either inadequate funding or staffing to satisfy all permit requirements. | 1. Permit years 1-5. | 1. Yes/No. |

PART 5: PUBLIC EDUCATION AND OUTREACH PROGRAM

The Town of Garner 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 Town of Garner 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 | General Public |
| Illicit Discharges | General Public, Businesses, Municipal Employees |
| Illegal Dumping | General Public, Businesses, Municipal Employees |
| Improper Disposal of Waste | General Public, Businesses, Municipal Employees |
| General Stormwater | General Public, Citizen, Businesses, Municipal Employees |
| Pet Waste | General Public, Citizens |
| Fertilizer | General Public, Citizens, Businesses, Municipal Employees |
| Fats, Grease and Oil | General Public, Citizens, Businesses |

The Town of Garner will manage, implement and report the following public education and outreach BMPs. Along with the following BMPs, the Town also partners with the Clean Water Education Partnership to provide regional/community stormwater education. CWEP is a component of the public education and outreach program that the Town utilizes.

| 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 |
| #5. | Implement a Public Education Outreach Program | | | |

Table 13: Public Education and Outreach BMPs

| | | | | |
|-------------|--|--|------------------------------------|---|
| | Permittee will attend community/town events to promote stormwater education and education of target pollutants as opportunities arise. Permittee will distribute education materials and give-a-ways during these events. | 1. Permittee will attend 1-2 town events per year for stormwater education to provide informative education and hand out give-a-ways/education materials. | 1. Permit years 1-5 | 1. Number of Events Attended. 2. Exposure time at events attended. |
| #6. | Cooperative Agreements | | | |
| | Permittee shall continue to be a member of the Clean Water Education Partnership for community education through a cooperative/regional program. | 1. Permittee shall review the MOA with CWEP on a 3 year schedule (when the contract renews) to ensure that contract continues to meet the permit requirements. | 1. Permit years 2 and 5. | 1. Yes/No. |
| #7. | Target Pollutants and/or Stressors | | | |
| | Permittee shall generate local public service announcements that will run on social media as well as the Garner cable channel for target pollutants. | 1. Permittee will work with communication specialist to generate at least 3 PSAs for target pollutants within the current permit cycle. | 1. Permit years 2, 3 and 5. | 1. Number of PSAs created in the reporting year. |
| 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 | B | C | D |
| | Description of BMP | Measurable Goal(s) | Schedule for Implementation | Annual Reporting Metric |
| #8. | Informational Website | | | |
| | Permittee will maintain and update a website that is hosted on the Town’s website for information regarding the stormwater program, education, | 1. Permittee will evaluate stormwater program website annually and update accordingly with new information. | 1. Permit years 1-5. | 1. Yes/No. |

Table 13: Public Education and Outreach BMPs

| | | | | |
|--------------------|---|---|------------------------------------|--------------------------------|
| | how to report concerns or issues and find stormwater information. | | | |
| Permit Ref. | 3.2.5: Stormwater Hotline Measures for a stormwater hotline/helpline for the purpose of public education and outreach. | | | |
| BMP No. | A | B | C | D |
| | Description of BMP | Measurable Goal(s) | Schedule for Implementation | Annual Reporting Metric |
| #9. | Maintain Hotline/Helpline | | | |
| | Permittee shall maintain and promote a hotline/helpline for the purpose of education and outreach. This hotline shall be advertised on the website as well as stormwater education material generated by the permittee. | 1. Permittee shall evaluate annually that the hotline number and message system is operational. | 1. Continuously. | 1. Yes/No. |
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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 Town of Garner 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 |
| #10. | Hotline/Helpline | | | |
| | The Permittee shall maintain a hotline and stormwater specific email address for citizens to report any stormwater complaints or stormwater concerns. | 1. Permittee shall evaluate annually that the hotline number, message system and email address is operational. | 1. Permit years 1-5. | 1. Yes/No. |
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| #11. | Mechanism for Public Involvement | | | |
| | Permittee shall provide an opportunity for the general public to bring stormwater concerns to the Town Council. | 1. There shall be at least one meeting per year that is publicized where citizens can discuss stormwater concerns at the Town Council Meeting. | 1. Permit years 1-5. | 1. Yes/No. |
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| 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 |
| #12. | Volunteer Community Involvement Program | | | |
| | Permittee shall provide Town hosted cleanup events for citizens to attend. | 1. Permittee shall conduct two cleanups per year in the spring and fall for both town streets and town creeks. | 1. Permit years 1-5. | 1. Number of Volunteers at events. |
| | | | | 2. Number bags/weight of bags collected. |
| | | | | |

PART 7: ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

The Town of Garner 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 |
| #13. | MS4 Map | | | |
| | Permittee shall maintain a current map showing all major outfalls and receiving streams, stormwater conveyances. | 1. A map showing all major outfalls, streams and stormwater conveyances shall be maintained and updated as new infrastructure is added to the Town. | 1. Continuous. | 1. Yes/No. |
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| 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 |
| #14. | Maintain Adequate Legal authorities | | | |
| | The permittee shall maintain an IDDE ordinance and other regulatory mechanisms that provide the legal authority to prohibit illicit connections and illicit discharges. | 1. Permittee shall review annually and update as necessary any IDDE ordinance or legal authority that prohibits illicit connections and illicit discharges. | 1. Permit years 1-5. | 1. Yes/No. |
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Table 15: Illicit Discharge Detection and Elimination BMPs

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|--------------------|--|--|------------------------------------|--|
| 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: <ol 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 |
| #15. | Maintain an Illicit Discharge Detection and Elimination Plan | | | |
| | The permittee shall maintain a written IDDE plan. This plan will include dry weather screening, high priority areas, trace sources, elimination of the illicit discharges and evaluation of the overall IDDE program. | 1. The written IDDE plan shall be evaluated and updated annually as necessary. | 1. Permit years 1-5. | 1. Yes/No. |
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| 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 |
| #16. | Tracking and Document Investigations Illicit Discharges | | | |
| | The permittee shall maintain a database to track all illicit discharges/connections/dumping, along with any follow ups, NOVs, dates of investigation and enforcement actions and notice of compliances (NOCs). | 1. Permittee shall enter in any reported illicit discharge and/or illicit connection as well as track any NOVs or NOCs on a continuous basis as they are reported to or observed by staff. | 1. Continuous. | 1. Number of illicit discharges reported. 2. Number of investigations conducted. 3. Number of illicit discharges identified. |
| | | | | |
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Table 15: Illicit Discharge Detection and Elimination BMPs

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|--------------------|--|--|------------------------------------|---|
| 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 |
| #17. | Provide Employee Training | | | |
| | Permittee shall conduct training to all applicable municipal staff who are most likely to detect an illicit discharge. Permittee shall also conduct training to staff who are most likely to investigate an illicit discharge. | 1. Permittee shall conduct annual IDDE training to all applicable municipal staff. Permittee shall conduct annual IDDE in depth training to all applicable municipal staff who are most likely to investigate and/or repair an illicit discharge. | 1. Permit years 1-5. | 1. Number of employees who may detect an illicit discharge trained. 2. Number of employees trained who may investigate an illicit discharge. |
| | | | | |
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| 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 |
| #18. | Provide a Public Reporting Mechanism | | | |
| | The permittee shall promote, publicize, and facilitate a reporting mechanism for the public and staff to report illicit discharges and establish and implement citizen response procedures. This will be done through a hotline as well as a designated stormwater email address. | 1. The permittee shall maintain the hotline as well as the email address on an annual basis to ensure they are operational. | 1. Permit years 1-5. | 1. Yes/No. |
| | | | | |
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| #19 | Dry Weather Flow Field Screening | | | |

Table 15: Illicit Discharge Detection and Elimination BMPs

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|--|---|--|----------------------|-------------------------------------|
| | Permittee shall maintain a program to conduct dry weather flow field screening in accordance with written procedures. | 1. Permittee shall investigate 20% of outfalls for dry weather screening annually and keep records of results in a proper tracking system. | 1. Permit years 1-5. | 1. Number of outfalls investigated. |
|--|---|--|----------------------|-------------------------------------|

PART 8: CONSTRUCTION SITE RUNOFF CONTROL PROGRAM

In accordance with 15A NCAC 02H .0153, the Town of Garner 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 | Wake County Delegated SPCA Program* | 15A NCAC Chapter 04, NCDEQ Approved Delegation, Interlocal Agreement/Joint Resolution, Local Ordinance | Wake County |

* The local delegated SPCA Program ordinance(s)/regulatory mechanism(s) can be found at: [Sedimentation and Erosion Control | Wake County Government \(wakegov.com\)](https://www.wakegov.com/development/erosion-sedimentation-control)

The Town of Garner 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 Description of BMP | B Measurable Goal(s) | C Schedule for Implementation | D Annual Reporting Metric |
| #20. | Municipal Staff Training | | | |
| | Construction Site Runoff Staff Training. | 1. Train municipal staff who receive calls from the public on the protocols for referral and tracking of construction site runoff control complaints. | 1. Permit Years 1-5. | 1. Number of staff trained. |
| 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. | | | |

Table 17: Construction Site Runoff Control BMPs

| BMP No. | A | B | C | D |
|---------|--|---|---|---|
| | Description of BMP | Measurable Goal(s) | Schedule for Implementation | Annual Reporting Metric |
| #21. | Waste Management | | | |
| | Permittee will rely on Wake County to any waste on a construction site that may impact water quality, but if needed permittee has legal authority to step in to make a construction site operator comply with water quality rules. | 1. Permittee will work with Wake County to generate a list of offenders and compliance for any waste associated with a construction site. | 1. Permittee will work with Wake County in permit year 1 to generate a list. 2. Permit years 2-5 this BMP shall be implemented to track any offenders. | 1. Number of waste management cases associated with construction. |

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 Town of Garner 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 Town of Garner 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-III) | 15A NCAC 2B .0620 - .0624 | UDO Ordinance 11.3 |
| Neuse River Basin Nutrient Sensitive (NSW) Management Strategy (Town of Garner Stormwater Program for Nitrogen Control) | 15A NCAC 2B .0235 | Unified Development Ordinance No. (2001) 3006 to Amend Ordinance No. (1984) 1907 – UDO Ordinance 11.2 |

The Town of Garner has existing requirements within the unified development ordinance other than Qualifying Alternative Program(s) listed above 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. The Town’s Stormwater Program for Nitrogen Control lists all stormwater rules and requirements that are also relevant to the NPDES Phase II MS4 permit as well. Please see Appendix C for a copy of the Town of Garner Stormwater Program for Nitrogen Control.

Table 19: Summary of Existing Post-Construction Program Elements

| Permit Requirements for Plan Review and Approval | Municipal Ordinance/Code Reference(s) and/or Document Title(s) | Date Adopted |
|--|---|--------------|
| 3.6.2(a) Authority | Stormwater Program for Nitrogen Control | 2001 |
| 3.6.3(a) & 15A NCAC 02H.0153(c) Federal, State & Local Projects | Stormwater Program for Nitrogen Control | 2001 |
| 3.6.3(b) Plan Review | Stormwater Program for Nitrogen Control | 2001 |
| 3.6.3(c) O&M Agreement | Stormwater Program for Nitrogen Control | 2001 |
| 3.6.3(d) O&M Plan | Stormwater Program for Nitrogen Control | 2001 |
| 3.6.3(e) Deed Restrictions/Covenants | UDO section 3.1 and UDO section 10.1 | |
| 3.6.3(f) Access Easements | UDO section 11.2 | |
| Permit Requirements for Inspections and Enforcement | Municipal Ordinance/Code Reference(s) and/or Document Title(s) | Date Adopted |
| 3.6.2(b) Documentation | Stormwater Program for Nitrogen Control | 2001 |
| 3.6.2(c) Right of Entry | Stormwater Program for Nitrogen Control | 2001 |
| 3.6.4(a) Pre-CO Inspections | Will be developed, currently performing actions in accordance to UDO Section 8.1.9 | 2022 |
| 3.6.4(b) Compliance with Plans | UDO Section 3.5 | 2022 |
| 3.6.4(c) Annual SCM Inspections | Stormwater Program for Nitrogen Control | 2001 |
| 3.6.4(d) Low Density Inspections | Will be developed | |
| 3.6.4(e) Qualified Professional | Stormwater Program for Nitrogen Control | 2001 |
| Permit Requirements for Fecal Coliform Reduction | Municipal Ordinance/Code Reference(s) and/or Document Title(s) | Date Adopted |
| 3.6.6(a) Pet Waste | N/A, will be developed | |
| 3.6.6(b) On-Site Domestic Wastewater Treatment | N/A | |
| | | |

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 |
| #22. | Standard Reporting | | | |

Table 20: Post Construction Site Runoff Control BMPs

| | | | | |
|--------------------|---|--|------------------------------------|---|
| | 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. | 1. Track number plan reviews performed that apply to Neuse Rules or Water Supply Watershed Rules. | 1. Continuously | 1. Number of plan reviews performed that apply to Neuse Rules or Watershed Water Supply Rules. |
| | | 2. Track number plan reviews performed that apply to Neuse Rules or Water Supply Watershed Rules. | 2. Continuously | 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 acreage, location and last inspection date. | 3. Continuously | 3. Summary of number SCMs added to the inventory; and number and acreage of low-density projects constructed. |
| | | 4. Track number of SCM inspections performed. | 4. Continuously | 4. Number of SCM inspections. |
| | | 5. Track number and type of enforcement actions taken | 5. Continuously | 5. Number of enforcement actions taken. |
| | | | | |
| Permit Ref. | <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> | | | |
| BMP No. | A | B | C | D |
| | Description of BMP | Measurable Goal(s) | Schedule for Implementation | Annual Reporting Metric |
| #23. | Legal Authority | | | |
| | The permittee shall maintain through ordinance, or other regulatory mechanism, adequate legal authorities designed to meet the objectives of the Post- | 1. The permittee shall review legal authority annually to ensure all proper authority is in place for compliance with the permit and local approved | 1. Permit Years 1-5. | 1. Yes/No. |
| | | | | |
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Table 20: Post Construction Site Runoff Control BMPs

| | | | | |
|--------------------|--|--|-----------------------------|-------------------|
| | <p>Construction Site Runoff Stormwater Management Program.</p> <p>The permittee shall have the authority to review designs and proposals for new development and redevelopment to determine whether adequate stormwater control measures will be installed, implemented, and maintained.</p> <p>The permittee shall have the authority to request information such as stormwater plans, inspection reports, monitoring results and other information deemed necessary to evaluate compliance with the Post-Construction Stormwater Management Program.</p> | <p>Neuse program and Water Supply Watershed Protection program.</p> | | |
| #24. | Legal Authority to Enter Private Property for Inspections | | | |
| | <p>Maintain Adequate Legal Authority for Private Property Inspections.</p> | <p>1. The Permittee shall review annually to ensure all proper legal authority is in place to complete private property inspections.</p> | <p>1. Permit Years 1-5.</p> | <p>1. Yes/No.</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 |
|---------|---|---|-----------------------------|--------------------------------------|
| #25. | Plan Reviews | | | |
| | The permittee shall conduct site plan reviews of all new development and redeveloped sites that disturb greater than or equal to one acre (including sites that disturb less than one acre that are part of a larger common plan of development or sale). The site plan review shall address how the project applicant meets the performance standards and how the project will ensure long-term maintenance. | 1. This is met with the qualified program for Neuse Nutrient Strategy Program and Water Supply Watershed Program. | 1. Permit years 1-5. | 1. Number of Plan Reviews completed. |
| | | | | |
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| | | | | |
| #26. | O&M Agreement | | | |
| | The permittee shall implement or require an operation and maintenance plan for the long-term operation of the SCMs required by the program. The operations and maintenance plan shall require the owner of each SCM to perform and maintain a record of annual inspections of each SCM. Annual inspection of permitted structural SCMs shall be performed by a qualified professional. | 1. This is met with the qualified program for Neuse Nutrient Strategy Program and Water Supply Watershed Program. | 1. Permit years 1-5. | 1. Yes/No. |
| | | | | |
| | | | | |
| | | | | |
| #27. | Deed Restrictions and Covenants | | | |
| | The permittee shall provide mechanisms such a recorded deed restrictions and protective covenances that ensure development activities will maintain the project consistent with approved plans. | 1. This is met with the qualified Neuse Nutrient Management Strategy Program and Water Supply Watershed Program. | 1. Permit years 1-5. | 1. Yes/No. |
| #28. | SCM Access Easements | | | |

Table 20: Post Construction Site Runoff Control BMPs

| | | | | |
|--------------------|---|--|------------------------------------|---|
| | Permittee shall ensure all SCMs have a public access and maintenance easements on the recorded drawing. | 1. This is met with the qualified Neuse Nutrient Management Strategy Program and Water Supply Watershed Program. | 1. Permit years 1-5. | 1. Yes/No. |
| Permit Ref. | 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. | | | |
| BMP No. | A | B | C | D |
| | Description of BMP | Measurable Goal(s) | Schedule for Implementation | Annual Reporting Metric |
| #29. | Post Construction Inspection | | | |
| | Permittee shall conduct a post-construction inspection prior to issuance of a Certificate of Occupancy or Temporary Certificate of Occupancy. Permittee shall also ensure project has been constructed in accordance with the approved plan. | 1. This is met with the qualified Neuse Nutrient Management Strategy Program and Water Supply Watershed Program. | 1. Permit years 1-5. | 1. Yes/No. |
| | | | | 2. Number of inspections reported. |
| | | | | |
| | | | | |
| #30. | Annual Inspection of SCM | | | |
| | Permittee shall either complete annual inspection of each permitted SCM to ensure compliance with approved O&M or shall review third party inspection and certification of permitted SCM(s). Inspections and Certifications to be provided by a qualified individual. Third party inspections and certifications are accepted for underground systems. | 1. This is met with the qualified Neuse Nutrient Management Strategy Program and Water Supply Watershed Program. | 1. Permit years 1-5. | 1. Number of SCM inspections completed. |
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| #31. | Low Density Projects | | | |

Table 20: Post Construction Site Runoff Control BMPs

| | | | | |
|--------------------|---|---|------------------------------------|--|
| | Low density projects shall be inspected at least once during the permit term. | 1. This is met with the qualified Neuse Nutrient Management Strategy Program and Water Supply Watershed Program. | 1. Permit years 1-5. | 1. Number of inspections completed. |
| 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 No. | A | B | C | D |
| | Description of BMP | Measurable Goal(s) | Schedule for Implementation | Annual Reporting Metric |
| #32. | Fecal Coliform Reduction | | | |
| | Permittee shall ensure stormwater program includes a pet waste component. This shall include implementing pet waste stations in developments as needed as well as pet waste education. | 1. Permittee shall request pet waste stations during plan review for developments as they see necessary and conduct education regarding pet waste within their education minimum measure. | 1. Permit years 1-5. | 1. Number of pet waste stations provided within Town facilities. 2. Number of Pet Waste PSAs completed. |
| | | | | |
| | | | | |

PART 10: POLLUTION PREVENTION AND GOOD HOUSEKEEPING PROGRAMS

This SWMP provides a comprehensive pollution prevention and good housekeeping strategy for the Town of Garner 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 Town of Garner 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 |
| #33. | Inventory of Municipal Facilities | | | |
| | Permittee shall maintain a current inventory of municipal facilities and perform facility inspections with proper documentation and photographic evidence of inspections. | 1. Permittee shall identify and inspect all municipal facilities quarterly and track the results of those inspections on a report form. Permittee shall update the form after each inspection to ensure information and issues are being reported and resolved. | 1. Continuously. | 1. Number of facilities inspected. |
| | | | | 2. Yes/No. |
| | | | | |
| | | | | |

Table 21: Pollution Prevention and Good Housekeeping BMPs

| | | | | |
|---------------------------|---|---|---|--|
| <p>#34.</p> | <p>Staff Training</p> | | | |
| | <p>Permittee shall provide staff training on pollution prevention and good housekeeping as well as general stormwater awareness, spill response, vehicle and equipment maintenance and cleaning as well as other items to municipal employees within the Public Works Department.</p> | <p>1. Permittee shall train staff members annually and track which employees received training in a spreadsheet for the reporting year.</p> | <p>1. Permit years 1-5.</p> | <p>1. Number of employees trained.</p> |
| <p>Permit Ref.</p> | <p>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.</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>#35.</p> | <p>Spill Response Procedures</p> | | | |
| | <p>Permittee shall maintain written spill response procedures, which will be reviewed during basic annual training and shall be located in a convenient place for employees to obtain.</p> | <p>1. The permittee shall have written spill response procedures available for all municipal employees. These documents will be located at the maintenance shop to be viewed by employees as well as a spill response kit located outside at the fuel island.</p> | <p>1. Permit Years 1-5.</p> | <p>1. Yes/No.</p> |
| <p>Permit Ref.</p> | <p>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.</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>#36.</p> | <p>Municipal Operations and Maintenance Program</p> | | | |

Table 21: Pollution Prevention and Good Housekeeping BMPs

| | <p>The permittee shall implement and maintain an Operations and Maintenance program for municipally owned and operated facilities with the potential to generate polluted stormwater runoff.</p> <p>This program shall specify frequency of inspections and routine maintenance requirements.</p> | <p>1. The permittee shall review the O&M plan annually and update the plan as necessary.</p> | <p>1. Permit Years 1-5.</p> | <p>1. Yes/No.</p> |
|-------------|---|---|-----------------------------|-------------------|
| <p>#37.</p> | <p>Inventory of Stormwater Control Measures</p> | | | |
| | <p>Permittee shall maintain an inventory of all drainage structures and pipes and stormwater structural controls and update it as new information as added due to development.</p> | <p>1. The permittee shall maintain an inventory of all municipally owned or operated structural controls installed for compliance with the permittee's post-construction ordinance.</p> | <p>1. Permit Years 1-5.</p> | <p>1. Yes/No.</p> |
| <p>#38.</p> | <p>Municipally Owned Stormwater Control Measures Operations and Maintenance</p> | | | |

Table 21: Pollution Prevention and Good Housekeeping BMPs

| | | | | |
|--------------------|---|---|------------------------------------|--|
| | <p>The permittee shall implement and maintain an Operations and Maintenance program for municipally owned Stormwater Control Measures (SCMs) installed for compliance with the Permittees post-construction stormwater program.</p> <p>The O&M Plan shall specify frequency of inspections and routine maintenance requirements. The Permittee shall inspect and maintain municipally owned and maintained structural stormwater controls in accordance with the schedule developed by the Permittee.</p> <p>The permittee shall document inspections and maintenance of all municipally owned structural SCMs.</p> | <p>The number of inspections, maintenance items and remediation shall be tracked by the Permittee on an annual basis in a spreadsheet/online tracking system.</p> | <p>1. Continuous.</p> | <p>1. Number of SCMs inspected and maintained.</p> |
| Permit Ref. | <p>3.7.4: 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.</p> | | | |
| BMP No. | A | B | C | D |
| | Description of BMP | Measurable Goal(s) | Schedule for Implementation | Annual Reporting Metric |
| #39. | Pesticide, Herbicide and Fertilizer Application Management | | | |
| | <p>Permittee shall ensure municipal employees and contractors are properly trained and all permits, certifications, and other measures for applicators are followed.</p> | <p>1. Permittee shall document how many employees have certifications annually.</p> | <p>1. Permit Years 1-5.</p> | <p>1. Number of employees certified.</p> |
| Permit Ref. | <p>3.7.5: 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.</p> | | | |

Table 21: Pollution Prevention and Good Housekeeping BMPs

| BMP No. | A | B | C | D |
|--------------------|---|--|-----------------------------|--|
| | Description of BMP | Measurable Goal(s) | Schedule for Implementation | Annual Reporting Metric |
| #40. | Prevent or Minimize Contamination of Stormwater Runoff from Vehicle and Equipment Cleaning Areas | | | |
| | The Permittee shall describe and implement measures to prevent or minimize contamination of the stormwater runoff from all areas used for vehicle and equipment cleaning. | 1. A vehicle and equipment cleaning procedure document is available for staff to access within the maintenance shop. The Permittee shall annually review and update the procedure document as necessary. | 1. Permit years 1-5. | 1. Yes/No. |
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| Permit Ref. | 3.7.6: Pavement Management Program Measures to reduce pollutants in stormwater runoff from municipally owned streets, roads, and parking lots within the permittee's corporate limits. The permittee shall implement measures to control litter, leaves, debris, particulate and fluid pollutants associated with vehicles, 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 |
| #41. | Streets, Roads and Public Parking Lots Maintenance | | | |
| | Street sweeper operates to clean the Town of Garner streets, Town owned parking lots as well as some NCDOT streets within Garner corporate limits. | 1. The street sweeper shall operate to sweep 150 streets within town per year. The days the street sweeper operates shall be tracked within Public Works electronic system. | 1. Permit years 1-5. | Number of Town streets swept by the street sweeper. |
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| #42. | Municipally Owned or Maintained Storm Drains Catch Basins, and Conveyance Systems | | | |
| | Permittee shall maintain all storm drains, catch basins and conveyance systems within town. | 1. Permittee shall maintain all storm drain, catch basins and conveyance systems located within the right-of-way. They shall be maintained on an as needed basis and tracked within the Public Works system. | 1. Permit years 1-5. | 1. Number of storm drains, catch basins and conveyance systems maintained. |