

**Local Program to Implement
Neuse and Tar-Pamlico Stormwater Rules
in Wilson County**

July 1, 2024



**Wilson
County**

N o r t h C a r o l i n a

Wilson County Government Center
2201 Miller Road South
Wilson North Carolina, 27893

Contents

Part 1: INTRODUCTION	3
Part 2: CERTIFICATION	4
Part 3: LOCAL GOVERNMENT INFORMATION	5
3.1 Local Program Area	5
3.2 Interconnection with Other Local Jurisdictions	5
3.3 Receiving Waters.....	6
Part 4: STORMWATER MANAGEMENT PROGRAM ADMINISTRATION.....	7
4.1 Organizational Structure	7
4.2 Program Funding and Budget	7
4.3 Measurable Tasks for Program Administration	8
Part 5: POST-CONSTRUCTION SITE RUNOFF AND NUTRIENT LOADING MANAGEMENT PROGRAM.....	10
5.1 Applicable State Post-Construction Programs	10
5.2 Existing Post-Construction Ordinances, Procedures, and Guides.....	11
5.3 Summary Description of Stormwater Program.....	12
5.4 Measurable Tasks for Post-Construction Runoff Control BMPs	13
Part 6: ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM.....	22
6.1 Non-Stormwater Discharges	22
6.2 Measurable Tasks for Illicit Discharge Detection and Elimination BMPs.....	23
PART 7: PUBLIC EDUCATION AND OUTREACH PROGRAM	27
7.1 Pollutants, Sources, Audiences Worksheet	27
7.2 Measurable Tasks for Public Education and Outreach BMPs	29

PART 1: INTRODUCTION

The purpose of this Neuse and Tar-Pamlico Local Program is to establish and define the means by which Wilson County will comply with the requirements of the Neuse and Tar-Pamlico nutrient stormwater rule (henceforth, "Rule") (15A NCAC 02B .0711, .0731).

This Local Program identifies the specific elements and minimum measures that Wilson County will develop, implement, enforce, evaluate and report to the North Carolina Department of Environmental Quality (NCDEQ) Division of Water Resources (DWR) to comply with the requirements of the Rule. This Local Program covers activities associated with the discharge of nutrients in stormwater from Wilson County.

The Local Program will be evaluated annually, and updated as needed, to ensure that the elements and minimum measures it contains continue to adequately provide for Rule compliance.

Once the Local Program is approved by NCDEQ and the Environmental Management Commission, all provisions contained and referenced in it, along with any approved modifications, become enforceable.

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 Local Program, and that NCDEQ has enforcement authority.

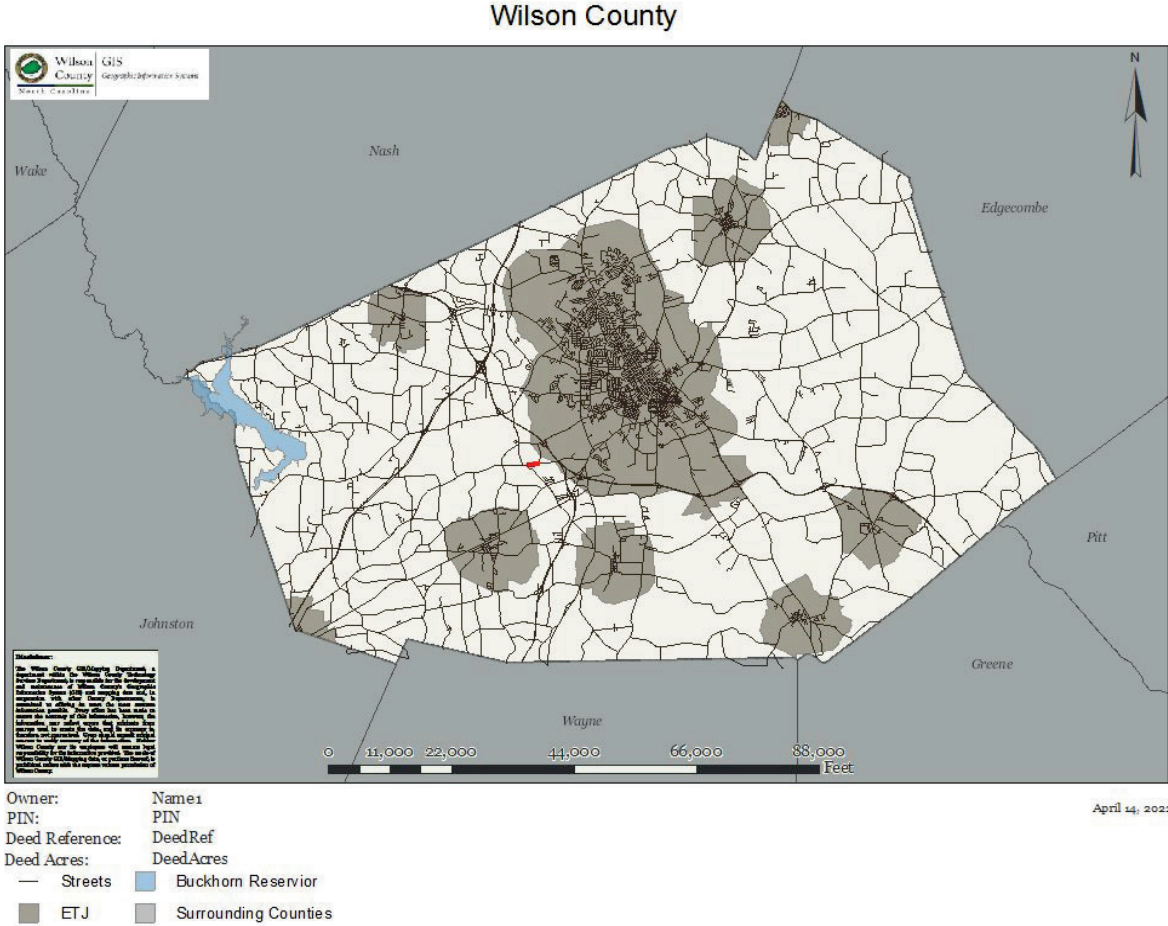
- I am a ranking elected official for Wilson County.
- I am a principal executive officer for Wilson County.
- I am a duly authorized representative for Wilson County and have attached the authorization made in writing by a principal executive officer or ranking elected official which specifies me as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

Signature:	
Print Name:	<i>Brad Thompson</i>
Title:	<i>Development Services Director</i>
Signed this <input type="text"/> day of 20 <input type="text"/> .	

PART 3: LOCAL GOVERNMENT INFORMATION

3.1 Local Program Area

This Local Program applies throughout the non-incorporated jurisdictional limits of Wilson County, including all regulated activities associated with the discharge of stormwater from the jurisdiction. The map below shows the area regulated by the jurisdiction for implementation of the Neuse and Tar-Pamlico Nutrient Management Strategy as of the date of this document. (NOTE: Areas outside of the municipal jurisdictions are within Wilson County’s jurisdiction.)



3.2 Interconnection with Other Local Jurisdictions

Wilson County does not have an interconnected stormwater system with another entity regulated under the Neuse and Tar-Pamlico Nutrient Management Strategy, and directly discharges to the receiving waters as listed in [Table 2](#) below.

3.3 Receiving Waters

Wilson County is located within the Neuse and Tar-Pamlico watershed 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 Receiving Waters

Receiving Water Name	Stream Index / AU Number	River Basin	Water Quality Classification	303(d) Listed Parameter(s) of Interest
Aycock Swamp	27-86-9-4	Neuse	C;Sw,NSW	
Black Creek	27-86-9	Neuse	C;Sw,NSW	
Buck Branch	27-86-11-6; 27-86-11-7-2	Neuse	C;Sw,NSW	
Buckhorn Branch	27-86-4	Neuse	C; NSW	
Cattail Branch	28-83-1-0.5	Tar-Pamlico	C; NSW	
Cattail Swamp	28-83-1-1	Tar-Pamlico	C; NSW	
Cedar Branch	27-86-9-2	Neuse	C;Sw,NSW	
Contentnea Creek (Buckhorn Reservoir)	27-28(1)b	Neuse	PWSWS-V;NSW	
Contentnea Creek	27-86-(4.5)	Neuse	WS-IV;NSW	
Contentnea Creek	27-86-(7); 27-86-(7)a, 27-86-(7)b1	Neuse	C; Sw; NSW	Fish Community (Na, Al, FW)
Contentnea Creek (Wiggins Mill Reservoir)	27-86-(5.8)	Neuse	WS-IV;NSW,CA	
Goss Swamp	27-86-11-8	Neuse	C;Sw,NSW	
Great Swamp	27-86-9-3	Neuse	C;Sw,NSW	
Hominy Swamp	27-86-8	Neuse	C;Sw,NSW	
Ivy Swamp	27-86-10	Neuse	C;Sw,NSW	
Lee Swamp	27-86-9-1	Neuse	C;Sw,NSW	
Little Contentnea Creek	27-86-26; 27-86-26a	Neuse	C; Sw; NSW	Fish Community (Na, Al, FW)
Little Creek	27-86-3.7	Neuse	C; NSW	
Little Swamp	27-86-5.2	Neuse	WS-IV; NSW	
Marsh Swamp	27-86-5-(1)	Neuse	C; NSW	
Mill Branch	27-86-5.5	Neuse	WS-IV;NSW	
Mill Branch	27-86-11-7-1	Neuse	C; Sw; NSW	
Mill Creek	27-86-3.4	Neuse	C; NSW	
Mill Run	27-86-9-3.5	Neuse	C; Sw; NSW	
Moccasin Creek	27-86-2	Neuse	C; NSW	
Nelson Swamp	27-86-9-0.5-1	Neuse	C; Sw; NSW	
Otter Creek	28-86-(0.3)	Tar-Pamlico	C; NSW	
Robin Swamp	27-86-9-0.5	Neuse	C; Sw; NSW	
Shepard Branch	27-86-5.7	Neuse	WS-IV;NSW	
Tar River	28-83a		WS-III; NSW	
The Canal	28-39-(1)	Tar-Pamlico	WS-IV;NSW	
Toisnot Swamp (Silver Lake, Lake Wilson)	27-86-11-(1)	Neuse	WS-III;NSW	
Toisnot Swamp (Toisnot Reservoir)	27-86-11-(4.5)	Neuse	WS-III;NSW,CA	
Toisnot Swamp	27-86-11-(5)	Neuse	C;Sw,NSW	
Town Creek	28-83	Tar-Pamlico	C; NSW	D.O. (4 mg/l, AL, FW)
Turkey Creek	27-86-3-(1)	Neuse	C; NSW	
Turner Swamp	27-86-9.5	Neuse	C; Sw; NSW	
Ward Run	27-86-26-1	Neuse	C; Sw; NSW	
White Swamp	28-83-1	Tar-Pamlico	C; NSW	
Whiteoak Swamp	27-86-11-7	Neuse	C; Sw; NSW	
Williamson Branch	28-83-2	Tar-Pamlico	C; NSW	

PART 4: STORMWATER MANAGEMENT PROGRAM ADMINISTRATION

4.1 Organizational Structure

The Wilson County Development Services Department is responsible for administering stormwater regulations described in this Local Program and the Wilson County Stormwater Ordinance. For the purposes of this program, the Development Services Director or Designee shall be referred to as the Stormwater Administrator, and is responsible for the Stormwater Program Administration, Pre-Construction Stormwater Management, Illicit Discharge Detection & Elimination, and Public Education & Outreach.

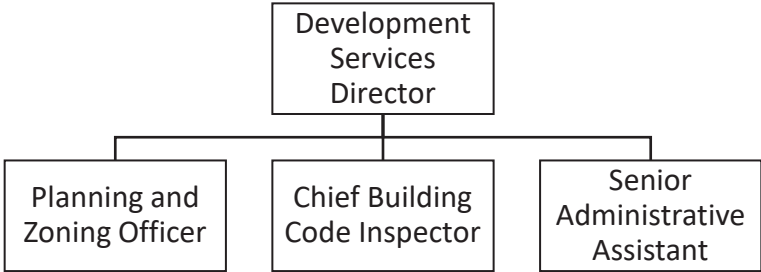


Table 3: Summary of Responsible Parties

Local Program Component	Responsible Position	Department
Stormwater Program Administration	Development Services Director	Development Services
Post-Construction Stormwater Management	Development Services Director	Development Services
Illicit Discharge Detection & Elimination	Development Services Director	Development Services
Public Education & Outreach	Development Services Director	Development Services

4.2 Program Funding and Budget

Wilson County shall maintain adequate funding and staffing to implement and manage the provisions of the Local Program and comply with the requirements of the Neuse and Tar-Pamlico Stormwater Rule. The Development Services Department, including administration of the stormwater programs, is funded by the overall fiscal budget of the County. The local program is primarily administered by the Stormwater Administrator, a role assigned to the position of Director in the Wilson County Development Services Department (approximately 10% of the position’s overall workload).

Wilson County Development Services Department has an overall budget of \$700,000. It is estimated that the implementation of the Neuse and Tar-Pamlico Stormwater Rule will cost \$70,000 per year.

4.3 Measurable Tasks for Program Administration

Wilson County will manage and report on the following Best Management Practices (BMPs) for administration of the Local Program, as described in [Table 4](#). The annual assessment and reporting period runs from July 1 to June 30 of every year, and is part of the annual reporting required to be submitted to comply with requirements of the Nutrient Management Strategy. This annual assessment is to be submitted to the Division of Water Resources by October 30 of each year.

Table 4: Program Administration BMPs

Program Administration BMPs				
	Annual Self-Assessment Measures to evaluate the performance and effectiveness of the Local Program components at least annually. Results will be used to modify the program components as necessary to accomplish the intent of the Neuse and Tar-Pamlico Stormwater Rule. The self-assessment reporting period is the fiscal year (July 1 – June 30).			
BMP No.	A	B	C	D
	Description of BMP	Measurable Task(s)	Schedule for Implementation	Annual Reporting Metric
4.1.1	Annual Self-Assessment and Report			
	Perform an annual evaluation of Local Program implementation, suitability of Local Program commitments and any proposed changes to the Local Program utilizing the NCDEQ Annual Self-Assessment Template.	1. Record annual reporting metrics in the Annual Self-Assessment Template customized to this Local Program, provide formal certification by a local official, and submit to NCDEQ as part of annual reporting.	1. Annually	1. Annual reporting metrics received by NCDEQ - DWR no later than October 30 of each year.
2. Review results of self-assessment for suitability and achievability of Local Program commitments. Propose Local Program changes to NCDEQ as part of annual reporting.		2. Annually	2. Assessment of Local Program commitments suitability, and proposed changes to the Local Program, are included in the Annual Self-Assessment submitted no later than October 30 of each year.	

Program Administration BMPs				
	Local Program Updates Process to be used to update the Local Program and/or Local Ordinances.			
BMP No.	A	B	C	D
	Description of BMP	Measurable Task(s)	Schedule for Implementation	Annual Reporting Metric
4.2.1	Local Program Updates			
	Audit stormwater program implementation for compliance with Neuse and Tar-Pamlico Rules and approved Local Program and utilize the results to prepare and submit a permit renewal application package.	1. Self-audit and document any stormwater program components not audited by EPA or NCDEQ utilizing the DEQ Audit Template.	1. Annually	1. Submit Self-Audit to DWR (if non-MS4) no later than October 30 of each year.
		2. Participate in a Neuse and Tar-Pamlico Nutrient Management Strategy Audit, as scheduled and performed by NCDEQ.	2. TBD	2. N/A
		3.	3.	3.
	Adequate Funding and Staffing Local Program activities to determine and maintain adequate funding and staffing to implement and manage the provisions of the Local Program and meet all requirements of the Neuse and Tar-Pamlico Stormwater Rule			
BMP No.	A	B	C	D
	Description of BMP	Measurable Task(s)	Schedule for Implementation	Annual Reporting Metric
4.3.1.	Funding and Staffing Evaluation			
	Review of Annual Self-Assessment may identify uncompleted tasks. Determine if more funding or staffing is needed to implement the Local Program.	1. Identify uncompleted tasks from Annual Self-Assessment.	1. Annually.	1. List of uncompleted tasks
		2. Determine whether additional funding or staff time are needed to achieve task, if Local Program change is needed, or if there were unusual circumstances.	2. Annually.	2. Report corrective actions needed
		3. Set up steps to implement program changes.	3. Annually.	3. Date changes implemented.
		4.	4.	4.

PART 5: POST-CONSTRUCTION SITE RUNOFF AND NUTRIENT LOADING MANAGEMENT PROGRAM

This part of the Local Program identifies the elements being used to develop, implement, and enforce a program to reduce nutrients in stormwater runoff from new development projects and development expansions. These elements meet the requirements set forth in the Neuse and Tar-Pamlico Stormwater Rule (15A NCAC 02B .0711, 15A NCAC 02B .0731). These elements are designed to minimize water quality impacts through a combination of structural Stormwater Control Measures (SCMs) and nutrient offset buy-downs, and to ensure adequate long-term operation and maintenance of SCMs.

5.1 Applicable State Post-Construction Programs

Wilson County implements the State post-construction programs for which reference information is added in [Table 5](#).

Table 5: List of State Programs for Post-Construction Site Runoff Control

State Stormwater Program Name	State Requirements	Local Ordinance / Regulatory Mechanism Reference
Water Supply Watershed (WS-I)	15A NCAC 02B .0620 - .0624	NC Code of Ordinance, Chapter 22, Article 2 & Stormwater Management Program for Nutrient Control
Water Supply Watershed (WS-II)	15A NCAC 02B .0620 - .0624	NC Code of Ordinance, Chapter 22, Article 2 & Stormwater Management Program for Nutrient Control
Water Supply Watershed (WS-III)	15A NCAC 02B .0620 - .0624	NC Code of Ordinance, Chapter 22, Article 2 & Stormwater Management Program for Nutrient Control
Water Supply Watershed (WS-IV)	15A NCAC 02B .0620 - .0624	NC Code of Ordinance, Chapter 22, Article 2 & Stormwater Management Program for Nutrient Control
Neuse River Basin Nutrient Management in Stormwater Strategy	15A NCAC 02B .0711	Wilson County Stormwater Ordinance
Tar-Pamlico River Basin Nutrient Management in Stormwater Strategy	15A NCAC 02B .0731	Wilson County Stormwater Ordinance

5.2 Existing Post-Construction Ordinances, Procedures, and Guides

Wilson County has existing ordinances, guidance manuals, standard operating procedures, and reference material that cover part or all of the implementation of the nutrient stormwater rule's post-construction requirements. These ordinances and references are summarized in [Table 6](#) below.

Table 6: Summary of Existing Post-Construction Ordinances, Procedures, and References

Plan Review and Approval	Municipal Ordinance/Code Reference(s) and/or Document Title(s)	Date Adopted
Authority	NC Code of Ordinance, Chapter 22, Article 2 & Stormwater Management Program for Nutrient Control	1/10/2011 & 7/1/2010
Federal, State & Local Projects	NC Code of Ordinance, Chapter 22, Article 2 & Stormwater Management Program for Nutrient Control	1/10/2011 & 7/1/2010
Plan Review	NC Code of Ordinance, Chapter 22, Article 2 & Stormwater Management Program for Nutrient Control	1/10/2011 & 7/1/2010
O&M Agreement	NC Code of Ordinance, Chapter 22, Article 2 & Stormwater Management Program for Nutrient Control	1/10/2011 & 7/1/2010
O&M Plan	NC Code of Ordinance, Chapter 22, Article 2 & Stormwater Management Program for Nutrient Control	1/10/2011 & 7/1/2010
Deed Restrictions/Covenants	NC Code of Ordinance, Chapter 22, Article 2 & Stormwater Management Program for Nutrient Control	1/10/2011 & 7/1/2010
Access Easements	NC Code of Ordinance, Chapter 22, Article 2 & Stormwater Management Program for Nutrient Control	1/10/2011 & 7/1/2010
Nutrient Calculation	NC Code of Ordinance, Chapter 22, Article 2 & Stormwater Management Program for Nutrient Control	1/10/2011 & 7/1/2010
Nutrient Offset	NC Code of Ordinance, Chapter 22, Article 2 & Stormwater Management Program for Nutrient Control	1/10/2011 & 7/1/2010
Inspections and Enforcement	Municipal Ordinance/Code Reference(s) and/or Document Title(s)	Date Adopted
Documentation	Wilson County Unified Development Ordinance	November 2, 2009
Right of Entry	Wilson County Unified Development Ordinance	November 2, 2009
Pre-CO Inspections	Wilson County Unified Development Ordinance	November 2, 2009
Compliance with Plans	Wilson County Unified Development Ordinance	November 2, 2009
Annual SCM Inspections	Wilson County Unified Development Ordinance	November 2, 2009
Qualified Professional	Wilson County Unified Development Ordinance	November 2, 2009

5.3 Summary Description of Stormwater Program

In accordance with stormwater rule 15A NCAC 2B .0258 and 0.202, Tar-Pamlico and Neuse River Basin Nutrient Sensitive Waters Management Strategy: Basin wide Stormwater Requirements, hereafter referred to as the "Rule", the County of Wilson is required to develop a local stormwater program to comply with the substantive requirements of the Rule. This document is intended to satisfy the substantive requirements of the Rule along with some additional requirements of the National Pollution Discharge Elimination System (NPDES) Phase II Stormwater Rule.

This Program includes all technical requirements to satisfy the Rules and works together with the Wilson County Unified Development Ordinance. Article 13 of the Wilson County Unified Development Ordinance contain regulations relative to Watershed Management and Protection. By reference all the enforcement procedures outline in the Wilson County Unified Development Ordinance is hereby adopted as part of this document.

The Ordinance has been updated to comply with updated Neuse and Tar-Pamlico Management Strategies adopted effective April 1, 2020, pursuant to rules readopted as Neuse Nutrient Strategy, 15A NCAC 02B .0711. (Reference Memorandum from NCDEQ DWR, Richard Rogers, "Approval of Stormwater Nitrogen and Phosphorus Tool (SNAP) v4.2.0," 3/13/23). The Local Program is required as part of the new strategies and requires:

- Review of development plans to ensure they meet above requirements and riparian buffer rule requirements
- Implementation of public education and Illicit Discharge Detection and Elimination (IDDE) programs
- Implementation of a stormwater mapping program
- Implementation of a program to ensure maintenance of permitted stormwater SCMs and compliance with rule for life of development
- Annual reports to DWQ documenting progress and providing all data used in SNAP calculations

As part of this new Local Program, numerous tasks for post-construction runoff control are described below. Best management practices include that the County will require that the maximum designed built upon area for a given site be clearly indicated on all development plans. Upon plan approval, the Stormwater Administrator will record in the Wilson County Register of Deeds a project-specific stormwater permit detailing disturbed area, impervious coverage, maximum built upon areas, pre- and post- calculated nutrient export and nutrient in-lieu fee payment provided (as applicable). Future development at the site will require an up-to-date accounting of actual vs permitted impervious area. Additional Best Management Practices are identified in Section 5.4.

5.4 Measurable Tasks for Post-Construction Runoff Control BMPs

Wilson County will implement the following program measures to satisfy the post-construction runoff control requirements of the nutrient stormwater rule.

Table 7: Post Construction Site Runoff Control BMPs

Post Construction Site Runoff Control BMPs				
	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 Task(s)	Schedule for Implementation	Annual Reporting Metric
7.1	Standard Nutrient Management Strategy Reporting			
	Implement standardized tracking, documentation, inspections and reporting mechanisms to compile appropriate data for the annual self-assessment process.	1. Track number of NMS-subject plans approved in past year.	1. Continuously	1. Number of plan approvals issued for NMS-subject developments in the past year.
		2. Maintain a current inventory of developments and lots with BUA limits (BMP 7.22) and constructed SCMs including SCM type or location, and last inspection date (BMP 7.23).	2. Continuously	2. Summary of number and type of SCMs added to the inventory in the past year; and number of developments with BUA limits added to inventory in the past year.
		3. Track number of post-construction SCM inspections performed by staff in the past year. (BMP 7.24)	3. Continuously	3. Number of post-construction SCM inspections in the past year.
		4. Track number and type of construction-phase stormwater inspections performed.	4. Continuously	4. Number and type of construction-phase stormwater inspections.
7.2.	Data Used in Nutrient Calculations			
	Input data used for the calculation of nutrient export and reduction by SCMs for all development sites subject to .0711 and .0731 will be collected for the year and submitted as an appendix for the Local Program's Annual Report.	1. Export SNAP input data from each development upon approval.	1. Continuously	1. Nutrient calculation input data for all developments and expansions subject to the Neuse/Tar-Pamlico Stormwater Rule submitted to NCDEQ by October 30 of each year.
		2. Provide adjusted SNAP input data from each development where completed landcovers are different from what was permitted.	2. Annually	2. Nutrient calculation data for these developments and a notice for which previously-submitted data to be replaced.

Post Construction Site Runoff Control BMPs				
	<p>Legal Authority</p> <p>Measures to maintain adequate legal authorities through ordinance or other regulatory mechanism to:</p> <ul style="list-style-type: none"> (a) review designs and proposals for new development and expansion of development to determine whether adequate stormwater control measures will be installed, implemented, and maintained, (b) implement requirements of the Neuse and Tar-Pamlico Nutrient Management Strategy Stormwater Rule, including nutrient targets, Rule applicability, stormwater treatment requirements, nutrient calculation methods, and nutrient offset. (c) 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 (d) 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. 			
BMP No.	A	B	C	D
	Description of BMP	Measurable Task(s)	Schedule for Implementation	Annual Reporting Metric
7.3	Nutrient Management Strategy Requirements Specified in Ordinance			
	<p>Neuse/Tar-Pamlico Nutrient Management Strategy requirements shall be included in the jurisdiction's development ordinance. Ordinance needs to be at least as stringent as the NMS Rule requirements for Rule applicability, nutrient targets, stormwater requirements, specify the calculation method, and procedures for nutrient offset.</p>	1. Establish nutrient targets through code revision	1. First year	1. Completed y/n?
		2.	2.	2.
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.
7.4	Authority to Review Federal, State, and Local Government Plans			
	<p>Ensure local ordinance specifically requires compliance with Nutrient Management Strategy by Federal, State, and Local government projects.</p>	1. Revise code to require Federal, State, and local government projects to comply with post construction requirements unless subject to its own NPDES MS4 permit or qualifying alternative program.	1. First year	1. Completed y/n?
		2. Contact representatives of all Federal, State, and local government land holdings within the jurisdiction to advise them of this development review requirement.	2. First year	2. Completed y/n?
		3. Since County does not intend to review Federal or State projects, the County will send letters to both DEMLR-Stormwater and the Federal and State entities in jurisdiction advising them that the relevant development authority is the State.	3.	3.

Post Construction Site Runoff Control BMPs				
7.5	Legal Authorities for Development Plans and Plan Review			
	Provide adequate legal authorities designed to meet the objectives of the Post-Construction Site Runoff Controls Stormwater Management program, including the ability to request stormwater plans, conduct development design reviews and approvals, review and approve O&M Plans and Agreements for all SCMs, requiring deed restrictions and protective covenants for SCMs, and requiring recordation of BUA limits for projects and individual lots within.	1. Establish legal authority through code revision	1. First year	1. Completed y/n?
7.6	Authority to Require Submission of Annual SCM Inspection Reports			
	Provide legal authority to require owners and operators of post-construction SCMs to perform and submit inspections performed by a qualified professional on an annual basis.	1. Establish legal authority through code revision	1. First year	1. Completed y/n?
7.7	Legal Authorities for Inspections and Enforcement			
	Provide legal authorities needed for inspections and enforcement including right-of-entry, ability to issue Notices of Violation and Stop Work Orders, ability to review as-builts for compliance with approved plans, and other enforcement mechanisms.	1. Establish legal authority through code revision	1. First year	1. Completed y/n?
7.8	SCM Minimum Design Criteria Specified			
	Ensure the local ordinance or local SCM design manual specifically refers to the State's Minimum Design Criteria.	1. Revise code to specify State Minimum Design Criteria for SCM design	1. First year	1. Completed y/n?

Post Construction Site Runoff Control BMPs				
	<p>Plan Review and Approval</p> <p>Measures to maintain plan review and approval authority, standards, and procedures to:</p> <ul style="list-style-type: none"> (a) Conduct site plan reviews of all new development and development expansions for compliance with the stormwater treatment and nutrient reduction requirements in 15A NCAC 02B .0711 or .0731, including reviews of nutrient calculations using a DWR-approved calculation tool, (b) Ensure that each project has an Operation and Maintenance Agreement that complies with 15A NCAC 02H .1050(12), (c) Ensure that each project has an Operation and Maintenance Plan that complies with 15A NCAC 02H .1050(13), (d) Ensure that each project has recorded deed restrictions and protective covenants, that require the project to be maintained consistent with approved plans, and (e) Ensure that each SCM and associated maintenance accesses be protected in a permanent recorded easement per 15A NCAC 02H 1050 (9) and (10). 			
BMP No.	A	B	C	D
	Description of BMP	Measurable Task(s)	Schedule for Implementation	Annual Reporting Metric
7.9	MOAs for Plan Review – Federal, State, Local Government			
	Local Program will have an MOA with each Federal, State, and Local Government entity within its jurisdiction, stating whether the entity has chosen to have the Local Program review any future development plans for compliance with NMS Rule, or whether plans will be submitted to DEMLR for review.	1. Set up Memoranda of Agreement with a responsible party of each Federal, State, and Local Government entity with property within the jurisdiction of the Local Program.	1. First year	1. List of entities, responsible parties and contact information, and whether plan review will be local or state.
		2.	2.	2.
		3.	3.	3.
7.10	Review Plans for Compliance with Nutrient Management Strategy			
	Conduct site plan reviews of all new development and development expansions for compliance with the stormwater treatment and nutrient reduction requirements in 15A NCAC 02B .0711 or .0731, including reviews of nutrient calculations using a DWR-approved calculation tool.	1. Establish application intake and review procedures	1. First year	1. Completed y/n?
		2. Conduct site plan reviews	2. Continuously	2. Number of plans approved that year
		3. Require submittal of SNAP Tool during plan review. As part of development approval, a CSV file of the submitted SNAP Tool will be saved to a directory for that year's approvals.	3. First year	3. Completed y/n?
		4. Ensure that intermittent and perennial streams and their riparian buffers are shown on development plans.	4. Continuously	2. Completed y/n?

7.11	SCM Operations and Maintenance Agreements and Plans			
	Ensure each stormwater control measure has an Operation and Maintenance Plan that complies with 15A NCAC 02H .1050(13) and an Operation and Maintenance Agreement that complies with 15A NCAC 02H .1050(12)	1. Establish legal authority through code revision.	1. First year	1. Completed y/n?
2. Enforcement of new code by requiring approval of O&M Plan and Agreement by Stormwater Administrator prior to plan approval		2. Continuously	2. Number of O&M Plans and Agreements approved that year	
7.12	Deed Restrictions and Protective Covenants			
	Provide mechanisms such as recorded deed restrictions and protective covenants that ensure development activities will maintain the project consistent with approved plans. (Don't close project until deed restrictions are recorded.)	1. Establish legal authority through code revisions.	1. First year	1. Completed y/n?
2.		2.	2.	
7.13	Protective Easements for SCMs			
	Require that each SCM and associated maintenance accesses be protected in a permanent recorded easement per 15A NCAC 02H 1050 (9) and (10).	1. Establish legal authority through code revisions.	1. First year	1. Completed y/n?
2.		2.	2.	
7.14	Require Recordation of BUA Limits on Deeds or Plats			
	Ensure that a maximum designed built upon area for a given site be clearly indicated on all development plans, and that a stormwater permit is recorded in Register of Deeds.	1. Establish legal authority through code revisions.	1. First year	1. Establish legal authority through code revision
		2. Upon plan approval, the Stormwater Administrator will record in the Register of Deeds a project-specific stormwater permit detailing disturbed area, impervious coverage, maximum built upon areas, pre- and post-calculated nutrient export and nutrient in-lieu fee payment provided (as applicable).	2. Continuously	2. Number of stormwater permits recorded that year
3. Future development at the site will require an up-to-date accounting of actual vs permitted impervious area.		3. Continuously	3. Number of stormwater permits recorded that year	

7.15	Plan Review Staff Training on Nutrient Calculator Tool			
	Ensure all plan review staff have gone through DWR-provided plan reviewer training for the approved nutrient calculator.	1. All current plan review staff participate in live online training for calculator tool. 2. Plan review staff who were unable to attend live online workshop view recording of training.	1. First year 2. As needed	1. Number of review staff that attended live online training 2. Number of review staff that viewed recording of training that year
7.16	SCM Transfer Process			
	Prepare a "handoff" educational process for when developers transfer ownership of SCMs to HOAs/POAs. Educational materials should include estimates of annual costs for O&M and inspection, LG general expectations, possible/likely modes of failure, HOA/POA general obligations, other guidance and resources. Integrate this process with the as-built inspection of SCMs.	1. Develop instructions and materials for outreach to HOAs	1. First year	1. Completed y/n?
		2. Set up annual reminders (postcards/email) to HOAs for SCM O&M and inspection	2. Second year and annually thereafter	2. Completed y/n?
3.		3.	3.	
Inspections and Enforcement Measures to maintain inspection and enforcement authority, standards and procedures to: <ul style="list-style-type: none"> (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 every five years (MS4s only), and (e) Require that inspections be conducted by a qualified professional. 				
BMP No.	A	B	C	D
	Description of BMP	Measurable Task(s)	Schedule for Implementation	Annual Reporting Metric
7.17	Inspection of Post-Construction SCMs			
	Conduct staff inspection of all post-construction SCMs at least once every five (5) years.	1. Conduct inspection of 20% of SCMs each year	1. Annually	1. Number of SCMs inspected
2. Maintain log of written inspection reports conducted by County staff.		2. Continuously	2. Include with annual report	
7.18	Require submission of Annual Post-Construction SCM Inspections			
	Require annual submission of post-construction SCM inspections reports, that inspections are conducted by a qualified professional for compliance with the approved O&M plan, and that SCM owners keep O&M records available for viewing by the Local Program for 5 years.	1. Assign data storage location for reports and staff to log them in.	1. First year	1. Completed y/n?
2. Log reports as they're received		2. Continuously	2. Number of reports received that year	

7.19	Inspection of Projects for Compliance With an Approved Plan			
	Ensure inspection of all development projects for compliance with approved stormwater plans, forest protection, and BUA limits, including projects with a lack of an approved plan. Use enforcement measures such as NOVs and stop work orders.	1. Conduct inspection prior to issuance of Certificate of Occupancy. Require post-construction inspection and certification from developer.	1. Continuously	1. Number of reports received that year
		2. Maintain log of written inspection reports conducted by County staff.	2. Continuously	2. Include with annual report
		3. Maintain log of enforcement measures such as NOVs and stop work orders.	3. Continuously	3. Include with annual report
7.20	End-of-construction SCM Inspections			
	Conduct post-construction SCM 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), and ensure that the project has been constructed in accordance with the approved plan(s).	1. Conduct inspection prior to issuance of Certificate of Occupancy. Require post-construction inspection and certification from developer.	1. Continuously	1. Number of reports received that year
		2. Maintain log of written inspection reports conducted by County staff.	2. Continuously	2. Include with annual report
		3. Add new SCMs to GIS layer (for internal view only) indicating type of SCM, last inspection date, responsible party contact information, etc.	3. First year	3. Report percent of system mapped
Documentation				
Measures to maintain adequate documentation and standardized inspection and tracking mechanisms to:				
(a) Maintain an inventory of post-construction SCMs and their responsible parties,				
(b) Maintain an inventory of developments and parcels with BUA limits,				
(c) Document, track and maintain records of inspections and enforcement actions through the end of construction for compliance with development plans. Tracking shall include the ability to identify chronic violators,				
(d) Provide education resources for developers to meet stormwater and nutrient management Rules,				
(e) Provide education resources for the public regarding BUA limits in developments and management of SCMs.				
BMP No.	A	B	C	D
	Description of BMP	Measurable Task(s)	Schedule for Implementation	Annual Reporting Metric
7.21	Inventory of Post-Construction SCMs			
	Develop and maintain a comprehensive inventory of post-construction SCMs to be utilized for inspections and tracking. Inventory shall include information on responsible parties and contact information.	1. Establish list of existing post-construction SCMs and responsible parties. Create spreadsheet to track all SCMs, when annual reports have been received, when deficiencies have been observed/ reported, and when these deficiencies have been remedied.	1. First year	1. number of SCMs
		2. Add SCMs to inventory list when project as-builts are approved	2. Annually	2. total number of SCMs

		3. Update responsible party information from submitted annual inspection reports	3. Annually	3. Completed y/n?
		4. Add existing SCMs to GIS layer (for internal view only) indicating type of SCM, last inspection date, responsible party contact information, etc.	4. First year	4. Report percent of system mapped
7.22	Inventory of Developments and Lots with BUA Limits			
	Develop and maintain a comprehensive inventory of projects that have BUA limits tied to their stormwater management or nutrient loading requirements to be used when reviewing new development plans. Develop and maintain a database BUA limits on developments and individual lots within, with BUA limits based on their approved stormwater plans. Actual BUA amounts are updated as new development is approved for and occurs on individual lots.	1. Establish a list of developments with BUA limits	1. First year	1. number of developments
		2. Establish a list of parcels or lots with BUA limits	2. First year	2. number of parcels
		3. Add developments and lots within to the list when project as-builts are approved	3. Continuously	3. total numbers of developments and lots
		4. Site development to be based on approved and recorded stormwater permit with an up-to-date accounting of actual vs permitted impervious area.	3. Continuously	3. Number of stormwater permits recorded that year
7.23	Inspections & Enforcement Tracking – Construction-Stage Compliance			
	Develop and maintain a tracking mechanism for inspections, enforcement, and follow-up actions through the end of construction for compliance with development plans, including SCM installations, BUA limits, and protection of forested areas. Provide the ability to identify chronic violators.	1. Develop inspection tracking mechanism to meet all requirements	1. First year	1. Completed y/n?
		2. Enforcement actions are followed for sites with frequent deficiencies	2. Continuously	2. Number of SCMs with deficiencies that year, number of SCMs with unresolved deficiencies
		3. Add new SCMs to GIS layer (for internal view only) indicating type of SCM, last inspection date, responsible party contact information, etc.	3. Continuously	3. Completed y/n?
7.24	Inspections & Enforcement Tracking – Post-Construction SCM Compliance			
	Develop and maintain a tracking mechanism for inspections, enforcement, and follow-up actions of post-construction SCM inspections, including annual inspection submissions and periodic staff inspections. Provide the ability to identify chronic violators.	1. A list of SCMs and responsible parties is developed and kept updated	1. First year	1. Cumulative number of SCMs identified
		2. Due dates are set for submission of annual inspection reports	2. First year	2. Due dates roll through the year or if there is a single date?
		3. Staff are assigned responsibility for ensuring missed reports have follow-up	3. Annual report check-in	3. Number of missed annual reports that year
		4. From inventory of post-construction SCMs, send out email reminder of annual SCM inspection report due by June 30.	4. Annually	4. Completed y/n?

		4. Enforcement actions are followed for sites with frequent deficiencies	4. Continuously	4. Number of SCMs with deficiencies that year, number of SCMs with unresolved deficiencies
7.25	Developer Resources - General			
	(See full BMP description in Public Education and Outreach Table 11, BMP 11.6)	1. Create an “ Interactive Development Map ” on County website showing pending and approved recent development. Contains link to approved plans. Map has search engine “Which Watershed Am In?” for address entry and indication of which watershed (Tar-Pam, Neuse).	1. First year	1. Completed y/n?
		2. Add existing SCMs to GIS layer (for internal view only) indicating type of SCM, last inspection date, responsible party contact information, etc.	2. First year	2. Report percent of system mapped
		3. Provide description of review process on website for: Commercial Plan review, Major Subdivision Procedures, Minor/ Recombination Plats, etc.	3. First year	3. Completed y/n?
7.26	Developer Resources – Nutrient Rules			
	(See full BMP description in Public Education and Outreach Table 11, BMP 11.7)	1. Upload links to the NMS Rule, local ordinances, nutrient calculation guidance, nutrient targets, onsite stormwater requirements, and nutrient offset procedures	1. First year	1. Completed (yes/no), status
		2. Update when changes to resources occur	2. Annually	2. Completed (yes/no), status
7.27	Public Education for BUA Limits and SCM Maintenance			
	(See full BMP description in Public Education and Outreach Table 11, BMP 11.8)	1. Upload links to the NMS Rule, local ordinances, nutrient calculation guidance, nutrient targets, onsite stormwater requirements, and nutrient offset procedures	1. First year	1. Completed (yes/no), status
		2. Update when changes to resources occur	2. Annually	2. Completed (yes/no), status
		3. Send annual O&M reminder letter and/or email to parties responsible for SCMs that their annual inspection report will be due	3. Annually	3. Completed (yes/no), status

PART 6: ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

6.1 Non-Stormwater Discharges

The water quality impacts of non-stormwater discharges have been evaluated by Wilson County as summarized Table 8: Non-Stormwater Discharges below as to whether they are incidental or possible. The unpermitted non-stormwater flows listed as incidental do not significantly impact water quality. Wilson County has evaluated residential and charity car washing and street washing for possible significant water quality impacts.

Street washing discharges are addressed under the Illicit Discharge Detection and Elimination section of this SWMP. The Division has not required that other non-stormwater flows be specifically controlled by Wilson County.

Wash water associated with car washing that does not contain detergents or does not discharge directly into the local drainage system is considered incidental. However, these types of non-stormwater discharges that do contain detergents have been evaluated by Wilson County to determine whether they may significantly impact water quality.

Table 8: Non-Stormwater Discharges

Non-Stormwater Discharge	Water Quality Impacts
Water line and fire hydrant flushing	Possible
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	Incidental
Flows from firefighting activities	Possible

6.2 Measurable Tasks for Illicit Discharge Detection and Elimination BMPs

Wilson County will develop, manage, implement, document, report and enforce an Illicit Discharge Detection and Elimination Program which includes the following illicit discharge detection and elimination BMPs.

Table 9: Illicit Discharge Detection and Elimination BMPs

Illicit Discharge Detection and Elimination BMPs				
	Stormwater Drainage Network Map Measures to develop, update and maintain a stormwater drainage network 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 Task(s)	Schedule for Implementation	Annual Reporting Metric
9.1	Creation and Maintenance of Stormdrain Network Map			
	The stormdrain network map will be created through field mapping and GIS analysis of existing data. Major components include stormwater inlets, conveyances, roadside ditches, and outfalls. Infrastructure type and flow direction will be identified. Data will be continually maintained.	1. Create a GIS data layer containing known major outfalls, stormwater inlets, conveyances, and other infrastructure	1. First year	1. Report percent of system initially mapped
		2. Update GIS data layer with field mapped objects, verify flow directions of all conveyances	2. Second year	2. Report number and type of objects identified
		3. When new public stormwater infrastructure is identified or constructed add objects to the map with flow direction	3. Annually	3. Report types and number of new public infrastructure added to the map during the reporting period
4. Ensure Ordinance requires submittal of GIS-compatible as-built surveys of new storm drainage structures. Incorporate into GIS.		4. Continually	4. Report percent of as-builts received that have been mapped	
9.2	Waters of the State GIS Data Layer			
	A GIS data layer of waters of the state will be created or acquired, with regular updates sought.	1. Acquire a GIS data layer of the waters of the state from the USGS or other source	1. First year	1. Report when data layer is acquired and source of data, note publication date
		2. Check for regular updates from data source, or add field-identified objects to self-sourced dataset	2. Annually	2. Report whether data were updated (if self-sourced), or whether a new dataset was issued with publication date
3. (Acquiring a fine-scale watersheds data layer is highly recommended.)		3.	3.	
9.3	Land Use GIS Data Layer			
	The Local Program will maintain a GIS data layer of current land use types in the jurisdictional area.	1. Create landuse data layer starting from zoning maps or current landuse data layer.	1. First year	1. Report when data are acquired or updated.

		2.(optional) Refine land use polygon data with identification of specific discharge types and potential sources (e.g. restaurants, auto care, animal care, etc.).	2. Annually	2. Report when data are acquired or updated.
9.4	Location of Sanitary Sewers and Other Human Waste Sources			
	The Local Program will create or acquire a copy of the sanitary sewer network GIS data layer and other septic infrastructure in GIS format that covers the jurisdictional area for identification of potential nutrient contributions to the stormdrain network or Waters of the State.	1. Obtain regular updates of a sanitary sewer GIS layer from providers overlapping the area of its jurisdiction	1. Annually	1. Report whether updates were received. Note publication date or date of last update.
		2. Obtain regular updates of a septic system GIS layer showing systems in its jurisdiction.	2. Annually	2. Report whether updates were received. Note publication date or date of last update.
3.		3.	3.	
9.5	Preparation of Source Tracking Maps for Field Staff			
	The Local Program will prepare paper or electronic maps for use by field staff conducting dry weather inspections, discharge identification and tracking, and identification of sanitary cross-connections.	1. Create initial maps containing stormdrain infrastructure, waters of the state, sanitary and septic locations, and land use.	1. First year	1. Completed y/n?
		2. Update maps with revised data layers, and additional data sources if available. Distribute to field staff.	2. Annually	2. Completed y/n?
Regulatory Mechanism Measures to provide an IDDE ordinance or other regulatory mechanism that provides legal authority to prohibit, detect, investigate, and eliminate illicit connections and discharges, illegal dumping and spills into the stormdrain network, including enforcement procedures and actions.				
BMP No.	A	B	C	D
	Description of BMP	Measurable Task(s)	Schedule for Implementation	Annual Reporting Metric
9.6	Maintain Legal Authority			
	Maintain the legal authority to prohibit, detect, investigate, and eliminate illicit connections and discharges, illegal dumping and spills into the stormdrain network and waters of the state, including adequate support for enforcement procedures and actions.	1. Review ordinance against EPA model ordinance and update if revision is required to maintain adequate legal authority	1. First year	1. Report if a revision is required and if a revision is made.
		2.	2.	2.
		3.	3.	3.
4.		4.	4.	
9.7	Enforcement and Resolution Standard Operating Procedures			
	Develop and maintain a set of procedures and data collection for notifying property owners of discharge and violation, advising on and verifying correction of discharge (see Elimination Protocols BMP 9.11), and the process for escalation of enforcement.	1. Develop enforcement and resolution protocol	1. First year	1. Completed y/n?
		2. Train staff in protocol	2. As needed	2. training dates
		3. Update based on annual IDDE review	3. second year and annually thereafter	3. Date of review
		4.	4.	4.
		5.	5.	5.

Illicit Discharge Detection and Elimination BMPs				
	IDDE Plan and Implementation 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 stormdrain network.			
BMP No.	A	B	C	D
	Description of BMP	Measurable Task(s)	Schedule for Implementation	Annual Reporting Metric
9.8	Proactive Program: Outfall Inspections: Omitted because County is not covering incorporated areas			
9.9	Discharge/Dumping and Source Type Scoping: Omitted because County is not covering incorporated areas			
9.10	Detection, Tracing, and Investigation Standard Operating Procedures: Omitted because County is not covering incorporated areas			
9.11	Elimination Protocols and Agreements: Omitted because County is not covering incorporated areas.			
9.12	Proactive Program: IDDE Priority/Hot Spot Screening Program: Omitted because County is not covering incorporated areas.			
9.13	IDDE Program Evaluation: Omitted because County is not covering incorporated areas.			
9.14	Public/Business Outreach About Illicit Discharges, Dumping, Cross-Connection			
	(See full BMP description in Public Education and Outreach Table 11, BMP 11.2)	1. Develop initial Public Education and Outreach Plan based on identified pollutants, sources, and audiences.	1. First year	1. Share plan with DEQ.
		2. Modify Plan based on review changes in pollutants, sources, audiences list, IDDE investigations, and public contacts. Include a review of past events/outreach, including unplanned ones (BMP 9.15).	2. Second year and annually thereafter.	2. Share revised plan with DEQ
	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 Task(s)	Schedule for Implementation	Annual Reporting Metric
9.15	IDDE Tracking System Omitted because County is not covering incorporated areas.			
	IDDE Training and Reporting 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

9.16	Staff Training and Reporting			
	Develop a program to educate local government staff of indicators of potential illicit discharges, cross-connections, and illegal dumping and the appropriate avenues through which to report suspected illicit discharge.	1. Develop staff training program for employees	1. Year 2	1. Yes/no/status
		2. Train staff with Illicit Discharge & Detection responsibilities or the potential to discover an illicit discharge during routine work activities	2. Year 2	2. Report topics/agenda, training date, and number of attendees
		3. Train new staff that will be part of the IDDE program	3. As needed.	3. Report topics/agenda, training date, and number of attendees
		4. Update based on annual IDDE review	4. Second year and annually thereafter	4. date of review
5.		5.	5.	
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 Task(s)	Schedule for Implementation	Annual Reporting Metric
9.17	Stormwater Hotline			
	(See full BMP description in Public Education and Outreach Table 12, BMP 11.4) Encourage the reporting of strange smells, colored water, foam, and oil.	1. Maintain existing Illicit Discharge Hotline phone number. List hotline and Stormwater Pollution Complaint Form on Wilson County website.	1. First year	1. Completed (yes/no), status
		2. Train responsible parties in general stormwater knowledge, appropriate contacts for stormwater questions, and citizen opportunities within the stormwater program	2. First year, and subsequent years as needed	2. Report the date of training, and the dates any additional staff are trained
		3. Publicize hotline in materials developed for the stormwater program, post on stormwater web page, include in local government's phone tree/contact lookup, include in staff email signatures	3. First year, and subsequent years as needed	3. Completed (yes/no), status
		4. Establish a tracking mechanism to document the number and type of calls received, actions and processes used through to resolution	4. First year, and maintain all subsequent years	4. Report the number and type of calls

PART 7: PUBLIC EDUCATION AND OUTREACH PROGRAM

Wilson County 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 nutrients in storm water runoff.

7.1 Pollutants, Sources, Audiences Worksheet

Identified nutrient sources and target audiences listed in Table 10 below will be addressed by the Public Education and Outreach Program.

Table 10: Pollutants, Sources, Audiences Worksheet

Pollutants	Source Types	Land use Types	Target Audience(s)	Detection Methods	Preventive Practices	Cleanup Methods	Priority Frequency Severity
Nitrogen	fertilizer	Residential office commercial	Homeowners, businesses, Public Utilities	Water testing	Soil tests, fertilizer guidance, alternative planting	Remove contaminated material	Occasional
	Sanitary sewer leaks, sanitary cross- connections	All types	Homeowners, businesses, Public Utilities	Visual Observation; Metering	Education on website		Infrequent
	Animal waste	Residential ROW, parks	Dog owners	Visual Observation	Pet waste bags and disposal stations	Remove waste	Frequent
Phosphorus	New development- impervious areas	Commercial Institutional Residential	General Public, Businesses	Water testing	Soil tests, fertilizer guidance, alternative planting	Remove contaminated material	Infrequent
Petroleum Products	Petroleum Products	Residential auto care businesses Industrial	General Public, Businesses, Local Government Employees	Visual Observation	Stormwater Pollution Prevention Plans; education on website	Absorbent materials	Infrequent
Fecal Indicator Bacteria	Sanitary sewer leaks, sanitary cross- connections	All types	Homeowners, businesses, Public Utilities	Visual Observation; Metering	Education on website		Infrequent
Chlorine (misc. hypochlorite)	Swimming pools/ spas	Residential recreation centers	General Public	high conductivity water testing	Pool draining guidance for owners, rec center operators		Infrequent
Detergents	Sanitary sewer leaks, cross- connections	All types	Homeowners, businesses, Public Utilities	Visual Observation; Metering	Education on website		Infrequent
	Car washes	Residential commercial	Homeowners, charity organizations	water testing	Direct water to grassy areas, intercept with boom and direct to sanitary sewer		Occasional

7.2 Measurable Tasks for Public Education and Outreach BMPs

Wilson County will manage, implement and report the following public education and outreach BMPs.

Table 11: Public Education and Outreach BMPs

Public Education and Outreach BMPs				
	Public Education and Outreach Planning Measures to develop a Public Education and Outreach Plan, review implementation, and adjust as needed. The Plan will identify the specific elements and implementation of a Public Education 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.			
BMP No.	A	B	C	D
	Description of BMP	Measurable Task(s)	Schedule for Implementation	Annual Reporting Metric
11.1	Review and Update Target Pollutants, Sources, Audiences List			
	Develop a list of target pollutants, sources, and audiences for the Local Program. Review pollutants likely to have significant stormwater impact against past IDDE investigations, Impaired Waters list, and other resources. Update sources and potential audiences based on IDDE investigations and other resources.	1. Create table of target pollutants, sources, and audiences for inclusion in Local Program	1. First year	1. List is in initial Local Program.
		2. Annual review of Impaired Waters and TMDL Map and most recent 303(d) list.	2. Reviewed annually.	2. List new or changed pollutants, likely sources, and possible audiences.
		3. Review tracking of illicit discharge investigations and enforcement and identify emerging target pollutants.	3. Reviewed annually.	3. List new or changed pollutants, likely sources, and possible audiences.
		4. Review public contacts for pollutant, source, or audience changes.	4. Reviewed annually.	4. List new or changed pollutants, likely sources, and possible audiences.
		5.	5.	5.
11.2	Develop and Update Public Education Plan			
	Develop a Public Education and Outreach Plan based on the pollutants, sources, and audiences identified (BMP 11.1). The plan will describe specific materials and approaches for addressing identified pollutants, sources, and audiences. Effectiveness will be reviewed annually against IDDE investigations, Public Education and Outreach efforts of the past year, and contacts with the public, and lead to Plan revisions.	1. Develop initial Public Education and Outreach Plan based on identified pollutants, sources, and audiences.	1. First year	1. Share plan with DEQ.
		2. Modify Plan based on review changes in pollutants, sources, audiences list, IDDE investigations, and public contacts. Include a review of past events/outreach, including unplanned ones (BMP 9.15).	2. Second year and annually thereafter.	2. Share revised plan with DEQ
		3.	3.	3.
		4.	4.	4.

Education and Outreach Media Types				
Measures to collect and/or develop education, outreach, and involvement materials in different media or through different mechanisms. Media are not specific to pollutant types, pollutant sources, or target audiences – they comprise methods of education and outreach.				
BMP No.	A	B	C	D
	Description of BMP	Measurable Task(s)	Schedule for Implementation	Annual Reporting Metric
11.3	Stormwater Page on Local Government Website			
	Set up a web site designed to convey the program’s message(s) and provide a place to host online materials including information on the local government’s water resources activities, the NMS Local Program, annual reports, educational materials, ordinances, guidelines, events announcements, etc. The web page will also serve to advertise the stormwater hotline and opportunities for involvement.	1. Establish the stormwater web page	1. First year	1. Report the date the web page goes live, webpage URL
		2. Maintain the webpage, update any broken links, upload new educational material, upload Local Program	2. Annually	2. Report the date the web page is reviewed and updated as well as what updates are made, list specific materials posted
		3. Set a hit counter in order to monitor engagement	3. Annually	3. Report the number of hits
11.4	Stormwater Phone Hotline			
	A phone hotline will be maintained and monitored by assigned staff for citizens to ask stormwater questions and report stormwater issues. Questions or comments from the public and responses from staff will be tracked through to resolution. (This BMP is referenced in Illicit Discharge and Detection Table 9, BMP 9.15)	1. Establish Illicit Discharge Hotline phone number. List hotline and Stormwater Pollution Complaint Form on Wilson County website.	1. First year	1. Report the date the hotline is established, the phone number, and status in subsequent years
		2. Train responsible parties in general stormwater knowledge, appropriate contacts for stormwater questions, and citizen opportunities within the stormwater program	2. First year, and subsequent years as needed	2. Report the date of training, and the dates any additional staff are trained
		3. Publicize hotline in materials developed for the stormwater program, post on stormwater web page, include in local government’s phone tree/contact lookup, include in staff email signatures	3. First year, and subsequent years as needed	3. Completed (yes/no), status
4. Establish a tracking mechanism to document the number and type of calls received, actions and processes used through to resolution		4. First year, and maintain all subsequent years	4. Report the number and type of calls	

11.5	Partnership with Wilson Soil & Water Conservation District			
	Wilson County engages the Wilson Soil & Water Conservation District to develop Education and Outreach Initiatives that will be administered by the Conservation District.	1. Cosponsor the annual Area IV Envirothon Competition for middle and high school teams demonstrating their knowledge of science and natural resource management.	1. Annually	1. Report date and number of participants.
		2. Cosponsor one or two high school students each year to attend the Resources Conservation Workshop at NCSU.	2. Annually	2. Report date and number of participants.
Targeted Outreach Audiences and Topics Measures below include specific messages to singular or groups of target audiences, pollutant types, pollutant sources, or management actions.				
BMP No.	A	B	C	D
	Description of BMP	Measurable Task(s)	Schedule for Implementation	Annual Reporting Metric
11.6	Developer Resources - General			
	Establish a developer stormwater resources section on the website so relevant materials are easily accessible for developers. Include a checklist of submissions materials for development applications. (This BMP is referenced in Post-Construction Site Runoff Control Table 7, BMP 7.25)	1. Upload links to ordinances, post-construction requirements, link to design standards, and other relevant material to website	1. First year	1. Completed (yes/no), status
2. Update when changes to resources occur		2. Annually	2. Completed (yes/no), status	
3. Develop and provide on website a checklist for development applications that include runoff targets for stormwater.		3. First year	3. Completed (yes/no), status	
11.7	Developer Resources – Nutrient Rules			
	Prepare educational materials for developers specific to the requirements of Nutrient Management Strategy implementation. Include information on nutrient calculation guidance, minimum onsite stormwater requirements, nutrient targets, and nutrient offset procedures. (This BMP is referenced in Post-Construction Site Runoff Control Table 7, BMP 7.26)	1. Upload links to the NMS Rule, local ordinances, nutrient calculation guidance, nutrient targets, onsite stormwater requirements, and nutrient offset procedures	1. First year	1. Completed (yes/no), status
2. Update when changes to resources occur		2. Annually	2. Completed (yes/no), status	
3.		3.	3.	
11.8	Public Education for BUA Limits and SCM Maintenance			
	Provide education and information resources for Property Owners Associations and the general public regarding BUA limits and the need for adequate SCM maintenance. (This BMP is referenced in Post-Construction Site Runoff Control Table 7, BMP 7.27)	1. Upload links to the NMS Rule, local ordinances, nutrient calculation guidance, nutrient targets, onsite stormwater requirements, and nutrient offset procedures	1. First year	1. Completed (yes/no), status
2. Update when changes to resources occur		2. Annually	2. Completed (yes/no), status	

		3. Send annual O&M reminder letter and/or email to parties responsible for SCMs that their annual inspection report will be due	3. Annually	3. Completed (yes/no), status
11.9	Public/Business Outreach About Illicit Discharges, Dumping, Cross-Connection			
	Design outreach materials for the general public and businesses addressing illicit discharges, dumping, and sewer-cross-connections. Materials describe the problem, how to report it if encountered, sources of assistance, and provide descriptions of desired alternative behavior. Provide Spanish or other language materials training if investigation determines this is a common cause of miscommunication. (This BMP is referenced in Illicit Discharge and Detection Table 9, BMP 9.14)	1. Establish the stormwater web page	1. First year	1. Report the date the web page goes live, webpage URL
		2. Maintain the webpage, update any broken links, upload new educational material, upload Local Program	2. Annually	2. Report the date the web page is reviewed and updated as well as what updates are made, list specific materials posted
		3. Ensure that outreach materials are freely and widely available at County offices and each public festival or event hosted or sponsored by the County	3. Annually	3. Completed (yes/no), status
3. Explore possibility of MOA with CWEP to provide education and outreach services, detailing exactly what outreach CWEP will perform and what data CWEP will collect and report back to the County.		3. Annually	3. Completed (yes/no), status	

END OF LOCAL PROGRAM