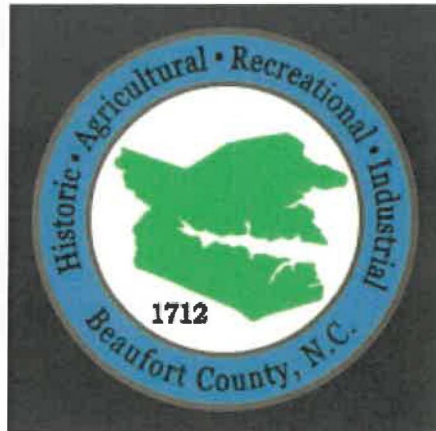


Local Program to Implement Tar-Pamlico Stormwater Rules in Beaufort County, North Carolina



Adopted by Beaufort County Board of Commissioners: 06-04-24

Effective Date: 07-01-24

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PART 1: INTRODUCTION

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

This Local Program identifies the specific elements and minimum measures that Beaufort 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 Beaufort 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.

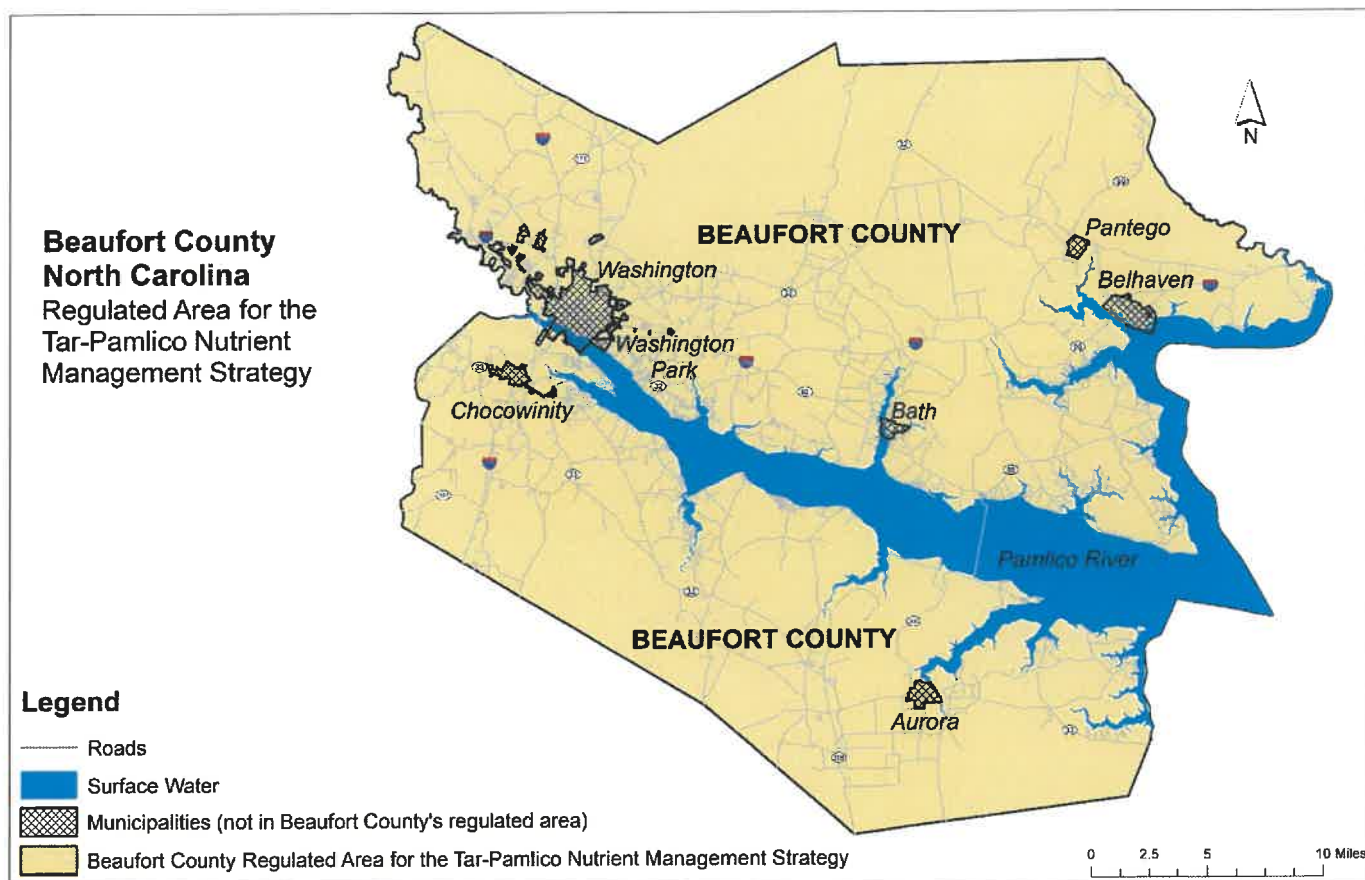
- I am a ranking elected official for Beaufort County.
- I am a principal executive officer for Beaufort County.
- I am a duly authorized representative for Beaufort County and have attached the authorization made in writing by a principal executive officer or ranking elected official which specifies 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:	Brian Alligood
Title:	County Manager
Signed this <u>4TH</u> day of <u>JUNE</u> 20 <u>24</u> .	

PART 3: LOCAL GOVERNMENT INFORMATION

Local Program Area

This Local Program applies throughout the limits of Beaufort 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 Tar-Pamlico Nutrient Management Strategy as of the date of this document.



Interconnection with Other Local Jurisdictions

Beaufort County does not have an interconnected stormwater system with another entity regulated under the Tar-Pamlico Nutrient Management Strategy, and directly discharges to the receiving waters as listed in Table 1 below.

Receiving Waters

Beaufort County is located within the Tar-Pamlico watershed and discharges directly into receiving waters as listed in Table 1 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 1: Summary of Receiving Waters

Receiving Water Name	Stream Index / AU Number	Water Quality Classification	303(d) Listed Parameter(s) of Interest
Tar River (River segment)	28-(102.5)	C; NSW	
Kennedy Creek	28-104	C; NSW	
Pamlico River (Upper Pamlico segment)	29-(1)	SC; NSW	
Rodman Creek	29-4-(2)	SC; NSW	
Pamlico River (Upper Pamlico segment)	29-(5)a	SB; NSW	303d listed – Legacy Category 5 Total Metals Assessment
Chocowinity Bay	29-6-(5)	Data inconclusive	
Chocowinity Bay	29-6-(1)	SC; NSW	
Pamlico River (Pamlico Blounts Bay segment)	29-(5)b1	SB; NSW	303d listed - Legacy Category 5 Total Metals Assessment; pH Exceeding Criteria with Statistical Confidence
Blounts Bay	29-9	Data inconclusive	303d listed - Legacy Category 5 Total Metals Assessment
Broad Creek	29-10-(3)	Data inconclusive	303d listed - Legacy Category 5 Total Metals Assessment
Little Goose Creek	29-11-(2)	SC; NSW	
Pamlico River (Pamlico Bath segment)	29-(5)b2	SB; NSW	303d listed - Legacy Category 5 Total Metals Assessment; Enterrococcus Pathogen Indicator Standards Exceedance
Nevil Creek	29-12-(2)	SC; NSW	
Bath Creek	29-19-(5.5)	SB; NSW	303d listed - Legacy Category 5 Total Metals Assessment
Pamlico River (Pamlico Middle segment)	29-(5)b3	SB; NSW	303d listed - Legacy Category 5 Total Metals Assessment; Chlorophyll a Exceeding Criteria with Statistical Confidence
Durham Creek	29-21-(2)	SC; NSW	

Pamlico River (Pamlico South River segment)	29-(5)b4	SB; NSW	
Pamlico River	29-(27)	SA; HQW; NSW	
South Creek	29-28-(6.5)	SA; HQW; NSW	303d listed – Prohibited Shellfish Growing Area (Fecal, SH, SA)
South Creek	29-28-(4)	SC; NSW	303d listed - Prohibited Shellfish Growing Area (Fecal, SH, SA)
Bond Creek	29-28-15-(2)	SA; HQW; NSW	303d listed - Prohibited Shellfish Growing Area (Fecal, SH, SA)
Muddy Creek	29-28-15-5-(2)	SA; HQW; NSW	303d listed - Prohibited Shellfish Growing Area (Fecal, SH, SA)
Davis Creek	29-30	SA; HQW; NSW	
Strawhorn Creek	29-31	SA; HQW; NSW	
Lower Spring Creek	29-33-11	SA; HQW; NSW	303d listed - Prohibited Shellfish Growing Area (Fecal, SH, SA)
Goose Creek	29-33	SA; HQW; NSW	
Snode Creek	29-33-6	SA; HQW; NSW	
Campbell Creek	29-33-2-(2)	SA; HQW; NSW	303d listed - Restricted Shellfish Growing Area (Fecal, SH, SA)
Great Gut Bay	29-34-52	SA; HQW; NSW	
Pungo River	29-34-(38)	SA; HQW; NSW	303d listed – Enderrococcus Pathogen Indicator Standards Exceedance
Satterthwaite Creek	29-34-48b	SA; HQW; NSW	303d listed - Restricted Shellfish Growing Area (Fecal, SH, SA)
Linier Bay	29-34-47	SA; HQW; NSW	
Tarklin Creek Bay	29-34-42	SA; HQW; NSW	
Tarklin Creek	29-34-42-1	SA; HQW; NSW	
Jordan Creek	29-34-41b	SA; HQW; NSW	303d listed - Prohibited Shellfish Growing Area (Fecal, SH, SA)
Pungo River	29-34-(12)a	SB; NSW	303d listed – Enderrococcus Pathogen Indicator Standards Exceedance
Pungo Creek	29-34-35	SC; NSW	303d listed – pH Exceeding Criteria with Statistical Confidence; Chlorophyll a

			Exceeding Criteria with Statistical Confidence
Pantego Creek	29-34-34-(2)	SC; NSW	303d listed – Legacy Category 5 Total Metals Assessment; Chlorophyll a Exceeding Criteria with Statistical Confidence
Beaverdam Swamp	29-10-2	C; NSW	
Blounts Creek	29-9-1-(3)	SB; NSW	

PART 4: STORMWATER MANAGEMENT PROGRAM ADMINISTRATION

Organizational Structure

The Mid-East Commission Council of Governments implements Beaufort County’s stormwater program and Tar-Pamlico Stormwater Rule compliance.

Table 2: Summary of Responsible Parties

Local Program Component	Responsible Position	Department
Stormwater Program Administration	Planner	Mid-East Commission Planning Dept.
Post-Construction Stormwater Management	Planner	Mid-East Commission Planning Dept.
Illicit Discharge Detection & Elimination	Planning/Inspections/Environmental Health	Beaufort County
Public Education & Outreach	CWEP staff	Clean Water Education Partnership (CWEP)

Program Funding and Budget

Beaufort County shall maintain adequate funding and staffing to implement and manage the provisions of the Local Program and comply with the requirements of the Tar-Pamlico Stormwater Rule. The Stormwater Program is funded through the county’s general fund, planning budget.

Measurable Tasks for Program Administration

Beaufort County will manage and report on the following Best Management Practices (BMPs) for administration of the Local Program, as described in Table 3. 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 3: 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 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
#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.
	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
#2.	Local Program Updates			

Program Administration BMPs				
	Audit stormwater program implementation for compliance with 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. As needed	1. Submit Self-Audit to DEMLR (if MS4) or DWR (if non-MS4) (required component of permit renewal application package).
		2. Participate in a Tar-Pamlico Nutrient Management Strategy Audit, as scheduled and performed by NCDEQ.	2. As needed	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 Tar-Pamlico Stormwater Rule				
BMP No.	A	B	C	D
	Description of BMP	Measurable Task(s)	Schedule for Implementation	Annual Reporting Metric
#3.	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.

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 Tar-Pamlico Stormwater Rule 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.

Applicable State Post-Construction Programs

Beaufort County implements the State post-construction programs for which reference information is added in Table 4.

Table 4: 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	
Water Supply Watershed (WS-II)	15A NCAC 02B .0620 - .0624	
Water Supply Watershed (WS-III)	15A NCAC 02B .0620 - .0624	
Water Supply Watershed (WS-IV)	15A NCAC 02B .0620 - .0624	
Neuse River Basin Nutrient Management in Stormwater Strategy	15A NCAC 02B .0711	
Tar-Pamlico River Basin Nutrient Management in Stormwater Strategy	15A NCAC 02B .0731	Beaufort County Tar-Pamlico Stormwater Ordinance for New Development
Randleman Lake Water Supply Watershed Nutrient Management Strategy	15A NCAC 02B .0251	
Falls Reservoir Water Supply Nutrient Strategy: Stormwater Management for New Development	15A NCAC 02B .0277	
Jordan Water Supply Nutrient Strategy: Stormwater Management for New Development	15A NCAC 02B .0265	
High Quality Waters (HQW) in Non-Coastal Counties	15A NCAC 02H .1021	
Outstanding Resource Waters (ORW) in Non-Coastal Counties	15A NCAC 02H .1021	

Coastal Counties: Stormwater Management Requirements	15A NCAC 02H .1019	Beaufort County Tar-Pamlico Stormwater Ordinance for New Development
Universal Stormwater Management Program	15A NCAC 02H .1020	
Urbanizing Areas: MS4 Delegation	15A NCAC 02H .1018	

Existing Post-Construction Ordinances, Procedures, and Guides

Beaufort 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 5 below.

Table 5: 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	Beaufort County Tar-Pamlico Stormwater Ordinance for New Development (draft ordinance, current ordinance in effect is Beaufort County Stormwater Ordinance)	New draft ordinance not yet adopted. Current ordinance was adopted on November 1, 2004.
Federal, State & Local Projects	Same	Same
Plan Review	Same	Same
O&M Agreement	Same	Same
O&M Plan	Same	Same
Deed Restrictions/Covenants	Same	Same
Access Easements	Same	Same
Nutrient Calculation	Same	Same
Nutrient Offset	Same	Same
Inspections and Enforcement	Municipal Ordinance/Code Reference(s) and/or Document Title(s)	Date Adopted
Documentation	Same	Same
Right of Entry	Same	Same
Pre-CO Inspections	Same	Same
Compliance with Plans	Same	Same
Annual SCM Inspections	Same	Same
Qualified Professional	Same	Same

Summary Description of Stormwater Program

Beaufort County requires stormwater plan review for applicable new development and expansions. Permitting and inspection procedures are described in detail in the Beaufort County Tar-Pamlico Stormwater Ordinance for New Development. Beaufort County has approval authority, standards, and procedures to:

- (a) 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,
- (b) 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 .0731, including reviews of nutrient calculations using a DWR-approved calculation tool,
- (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).

Measurable Tasks for Post-Construction Runoff Control BMPs

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

Table 6: 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
#4.	Standard Nutrient Management Strategy Reporting			
	Update standardized tracking, documentation, inspections and reporting mechanisms to compile appropriate data for the annual self-assessment process. Updates will ensure that documents are consistent with new rules.	1. Track number of NMS-subject plans approved in past year. 2. Maintain a current inventory of developments and lots with BUA limits and constructed SCMs including SCM type or location, and last inspection date.	1. Continuously 2. Continuously	1. Number of plan approvals issued for NMS-subject developments in the past year. 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.

Post Construction Site Runoff Control BMPs				
		3. Track number of post-construction SCM inspections performed by staff in the past year.	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.
		5.	5.	5.
#5.	Data Used in Nutrient Calculations			
	Input data used for the calculation of nutrient export and reduction by SCMs for all development sites subject to .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 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 are to be replaced.
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.
	<p>Legal Authority 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 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
#6.	Nutrient Management Strategy Requirements Specified in Ordinance			

Post Construction Site Runoff Control BMPs				
	Tar-Pamlico Nutrient Management Strategy requirements are included in Beaufort County's Stormwater Ordinance for New Development. The Ordinance meets the NMS Rule requirements for Rule applicability, nutrient targets, stormwater requirements, specify the calculation method, and procedures for nutrient offset.	1. Establish nutrient targets through code revision	1. Update will be adopted by Beaufort County Board of Commissioner's after state approval of draft ordinance.	1. Completed y/n?
		2.	2.	2.
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.
#7.	Authority to Review Federal, State, and Local Government Plans			
	Beaufort County's Stormwater Ordinance for New Development complies with Nutrient Management Strategy by Federal, State, and Local government projects.	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. Update will be adopted by Beaufort County Board of Commissioner's after state approval of draft ordinance.	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.	3.	3.
		4.	4.	4.
		5.	5.	5.
#8.	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. Already existing in Beaufort County Stormwater Ordinance, and included in update.	1. Update will be adopted by Beaufort County Board of Commissioner's after state approval of draft ordinance.	1. Completed y/n?
		2.	2.	2.
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.
#9.	Authority to Require Submission of Annual SCM Inspection Reports			

Post Construction Site Runoff Control BMPs

	Provide legal authority to require owners and operators of post-construction SCMs to perform and submit inspections performed by a qualified professional on a annual basis.	1. Already existing in Beaufort County Stormwater Ordinance, and included in update.	1. Update will be adopted by Beaufort County Board of Commissioner's after state approval of draft ordinance.	1. Completed y/n?
		2.	2.	2.
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.
#10.	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. Already existing in Beaufort County Stormwater Ordinance, and included in update.	1. Update will be adopted by Beaufort County Board of Commissioner's after state approval of draft ordinance	1. Completed y/n?
		2.	2.	2.
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.
#11.	SCM Minimum Design Criteria Specified			
	Ensure the local ordinance or local SCM design manual specifically refers to the State's Minimum Design Criteria.	1. Already existing in Beaufort County Stormwater Ordinance, and included in update.	1. Update will be adopted by Beaufort County Board of Commissioner's after state approval of draft ordinance	1. Completed y/n?
		2.	2.	2.
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.
#12.	BMP Maintenance			c

Post Construction Site Runoff Control BMPs

	<p>If BMPs are implemented to achieve the nitrogen and phosphorus loading and flow attenuation requirements for a development, then Beaufort County requires an operation and maintenance plan for the BMPs to be submitted by the Owner (Developer) with the plans and specifications for approval. The maintenance plan must meet the County's requirements for assuring BMP maintenance by the Owner. Ordinance gives county right to conduct inspections and issue violations.</p>	<p>1. Already existing in Beaufort County Stormwater Ordinance, and included in update.</p>	<p>1. Update will be adopted by Beaufort County Board of Commissioner's after state approval of draft ordinance</p>	<p>1. Completed y/n?</p>
		2.	2.	2.
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.

Plan Review and Approval

Measures to maintain plan review and approval authority, standards, and procedures to:

- (g) 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 (MS4 only),
- (h) 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 .0731, including reviews of nutrient calculations using a DWR-approved calculation tool,
- (i) Ensure that each project has an Operation and Maintenance Agreement that complies with 15A NCAC 02H .1050(12),
- (j) Ensure that each project has an Operation and Maintenance Plan that complies with 15A NCAC 02H .1050(13),
- (k) Ensure that each project has recorded deed restrictions and protective covenants, that require the project to be maintained consistent with approved plans, and
- (l) 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
#13.	MOAs for Plan Review – Federal, State, Local Government			
	Beaufort County will submit state/federal projects for compliance with NMS Rule to DEMLR for review.	1. Will continue submitting these projects to DEMLR for review. 2. 3. 4.	1. Continuous 2. 3. 4.	1. Continuous 2. 3. 4.

Post Construction Site Runoff Control BMPs

		5.	5.	5.
#14.	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. Continue permit application intake and review procedures	1. Continuously	1. Number of permits approved that year.
		2. Conduct site plan reviews	2. Continuously	2. Number of plans approved that year
		3.	3.	3.
		4.	4.	4.
5.		5.	5.	
#15.	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. Already existing in Beaufort County Stormwater Ordinance, and included in update.	1. Update will be adopted by Beaufort County Board of Commissioner's after state approval of draft ordinance	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
		3.	3.	3.
		4.	4.	4.
5.		5.	5.	
#16.	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. Already existing in Beaufort County Stormwater Ordinance, and included in update.	1. Update will be adopted by Beaufort County Board of Commissioner's after state approval of draft ordinance	1. Completed y/n?
		2.	2.	2.
		3.	3.	3.
		4.	4.	4.
5.		5.	5.	
#17.	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. Already existing in Beaufort County Stormwater Ordinance, and included in update.	1. Update will be adopted by Beaufort County Board of Commissioner's after state approval of draft ordinance	1. Completed y/n?
		2.	2.	2.
3.		3.	3.	

Post Construction Site Runoff Control BMPs				
		4.	4.	4.
		5.	5.	5.
#18.	Require Recordation of BUA Limits on Deeds or Plats			
	Ensure that for lots in developments with a Common Plan of Development that a BUA limit, based on the approved stormwater plan, is recorded with either the deed or plat	1. Already existing in Beaufort County Stormwater Ordinance, and included in update.	1. Update will be adopted by Beaufort County Board of Commissioner's after state approval of draft ordinance	1. Completed y/n?
		2.	2.	2.
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.
#19.	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.	1. Continuous for new plan review staff	1. Number of review staff that attended live online training
		2. Plan review staff who were unable to attend live online workshop view recording of training.	2. As needed	2. Number of review staff that viewed recording of training that year
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.
#20.	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.
		4.	4.	4.
		5.	5.	5.

Post Construction Site Runoff Control BMPs

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, and
- (d) 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
#21.	Inspection of Post-Construction SCMs			
	Conduct staff inspection of all post-construction SCMs at least once every five years.	1. Conduct inspection of 20% of SCMs each year	1. Annually	1. Number of SCMs inspected
		2.	2.	2.
		3.	3.	3.
		4.	4.	4.
5.		5.	5.	
#22.	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. Completed	1. Y
		2. Log reports as they're received	2. Continuously	2. Number of reports received that year
		3.	3.	3.
		4.	4.	4.
5.		5.	5.	
#23.	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. Continuously	1. Continuously	1. Inspection reports and records of notices of violations
		2.	2.	2.
		3.	3.	3.
		4.	4.	4.
5.		5.	5.	
#24.	End-of-construction SCM Inspections			
		1. Continuously	1. Continuously	1. Inspection reports
		2.	2.	2.
3.		3.	3.	

Post Construction Site Runoff Control BMPs

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).	4.	4.	4.
	5.	5.	5.

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 low-density projects (MS4s only),
- (c) Maintain an inventory of developments and parcels with BUA limits,
- (d) 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,
- (e) Provide education resources for developers to meet stormwater and nutrient management Rules,
- (f) 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

#25.	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	1. First year	1. number of SCMs
		2. Add SCMs to inventory list when project as-builts are approved	2. Continuously	2. total number of SCMs
		3. Update responsible party information from submitted annual inspection reports	3. Annually	3. Completed y/n?
		4.	4.	4.
		5.	5.	5.

#26.	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	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

Post Construction Site Runoff Control BMPs

	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.	4.	4.	4.
		5.	5.	5.
#27.	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. Y
		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.	3.	3.
		4.	4.	4.
		5.	5.	5.
#28.	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. Existing	2. By October 30 th each year
		3. Staff are assigned responsibility for ensuring missed reports have followup	3. Annual report check-in	3. Number of missed annual reports that year
		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
		5.	5.	5.
#29.	Developer Resources - General			
	(See full BMP description in Public Education and Outreach Table 11)	1.	1.	1.
		2.	2.	2.
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.
#30.	Developer Resources – Nutrient Rules			

Post Construction Site Runoff Control BMPs				
	(See full BMP description in Public Education and Outreach Table 11)	1.	1.	1.
		2.	2.	2.
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.
#31.	Public Education for BUA Limits and SCM Maintenance (See full BMP description in Public Education and Outreach Table 11)	1.	1.	1.
		2.	2.	2.
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.

PART 6: ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

Non-Stormwater Discharges

The water quality impacts of non-stormwater discharges have been evaluated by Beaufort County as summarized in Table 7 below as to whether they are incidental or possible. The unpermitted non-stormwater flows listed as incidental do not significantly impact water quality. Beaufort 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 Beaufort 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 Beaufort County to determine whether they may significantly impact water quality.

Table 7: Allowable Discharges to the Stormwater Collection System

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	Incidental
Flows from riparian habitats and wetlands	Incidental
Dechlorinated swimming pool discharges	Incidental
Street wash water	Incidental
Flows from firefighting activities	Incidental

Table 8: Discharges Not Allowed to the Stormwater Collection System

Dumping of oil, anti-freeze, paint, cleaning fluids	Commercial car wash
Industrial discharges	Contaminated foundation drains
Cooling water unless no chemicals added and has NPDES permit	Washwaters from commercial/industrial activities
Sanitary sewer discharges	Septic tank discharges
Washing machine discharges	Chlorinated backwash and draining associated with swimming pools

Measurable Tasks for Illicit Discharge Detection and Elimination BMPs

Beaufort 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
#32.	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. Completed	1. Report when data layer is acquired and source of data, note publication date

Illicit Discharge Detection and Elimination BMPs				
		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.	3.	3.
		4.	4.	4.
		5.	5.	5.
#33.	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. Completed	1. Land use layers from Beaufort County CAMA Land Use Plan are used.
		2.	2.	2.
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.
#34.	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. (Most municipalities in the county do not have sewer systems in GIS maps, but dated paper maps.)	1. Annually as municipalities have data available. (Beaufort County does not have a sewer system)	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.
		4.	4.	4.
		5.	5.	5.
#35.	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 tracing, 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?
		3.	3.	3.
		4.	4.	4.

Illicit Discharge Detection and Elimination BMPs				
		5.	5.	5.
	<p>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.</p>			
BMP No.	A	B	C	D
	Description of BMP	Measurable Task(s)	Schedule for Implementation	Annual Reporting Metric
#36.	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.
		5.	5.	5.
#37.	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), 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.
	<p>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.</p>			
BMP No.	A	B	C	D
	Description of BMP	Measurable Task(s)	Schedule for Implementation	Annual Reporting Metric
#38.	Proactive Program: Outfall Inspections			
	Perform regular dry weather (no rain in previous 72 hours) outfall	1. Train inspections staff to perform dry weather outfall inspections and illicit discharge investigations	1. Initial staff training and as needed for new staff	1. Completed y/n?

Illicit Discharge Detection and Elimination BMPs

	inspections to proactively identify illicit discharges and illicit connections.	2. Split major outfalls into five equal groups (20% of total) for inspection; so that with one group inspected per year, all major outfalls will be inspected over a five-year period, update as needed	2. Rotate to next group of 20% every year, update as needed	2. total number of outfalls
		3. Inspect one group of outfalls (set listed above) annually in dry weather conditions and document any potential violations using forms and procedures	3. Inspect set in one year	3. outfalls inspected that year
		4.	4.	4.
		5.	5.	5.
#39.	Discharge/Dumping and Source Type Scoping			
	A set of common or expected illicit discharge and dumping types for the community and likely source types will be identified and revised based on IDDE investigations.	1. Use discharge/pollutant worksheet included in this document or similar approach	1. Completed	1. Y
		2. Revise worksheet based on past year's IDDE incidents	2. Second year and annually thereafter.	2. Date of review
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.
#40.	Detection, Tracing, and Investigation Standard Operating Procedures			
	A set of detection methods, source tracing methods, and investigation methods will be identified based on the discharges and source types identified. This includes indicators (like test strips discharge appearance), tracing methods (like dye tests), and screening locations (like outfalls). Standard Operating Procedures for IDDE investigation will be developed from that, incorporating use of Tracking Maps and updated based on IDDE investigations. Forms for collecting data in response to discharge reports will be developed. This program will be regularly updated based on IDDE investigations.	1. Using discharge and source type scoping, consult with other jurisdictions and DWR for methods for detecting discharge types, and identifying unknown discharges	1. First year	1. Completed y/n?
		2. Develop standard operating procedures and data collection forms for field investigations	2. First year	2. Completed y/n?
		3. Update based on annual IDDE review	3. Second year and annually thereafter.	3. Date of review
		4.	4.	4.
		5.	5.	5.
#41.	Elimination Protocols and Agreements			

Illicit Discharge Detection and Elimination BMPs				
	A set of discharge and dumping elimination and cleanup protocols will be developed based on the discharges and source types identified. Instruction materials will be developed where appropriate. Agreements with other entities (such as WWTP operators) will be set up. This will be updated based on prior IDDE cleanup efforts.	1. Determine appropriate elimination / treatment protocols for each type of source/discharge	1. First year.	1. Completed y/n?
		2. Arrange agreements with cooperating entities as needed	2. First year	2. Completed y/n?
		3. Update based on annual IDDE review	3. Second year and annually thereafter	3. Date of review
		4.	4.	4.
		5.	5.	5.
#42.	IDDE Program Evaluation			
	Yearly evaluation of IDDE program to promote continuance of effective components and improvement in areas that are lacking.	1. Evaluation meeting with IDDE program stakeholders; to include at least Stormwater Administrator and Utilities Director	1. Year 2 and annually thereafter.	1. Date of review
		2. Review of IDDE reports and identification of chronic violators, issues, and/or "hot-spot" areas	2. Year 2 and annually thereafter.	2. Chronic violators and/or hot-spots found? y/n
		3. Review against other BMPs for needed SWMP updates	3. Year 2 and annually thereafter.	3. date of review
		4.	4.	4.
		5.	5.	5.
#43.	Public/Business Outreach About Illicit Discharges, Dumping, Cross-Connection			
	(See full BMP description in Public Education and Outreach Table 11)	1.	1.	1.
		2.	2.	2.
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.
	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
#44.	IDDE Tracking System			

Illicit Discharge Detection and Elimination BMPs				
	Develop a tracking system for observed IDDE incidents and results of investigation, cleanup or elimination actions, follow-up actions, enforcement actions, and when the investigation was close. Tracking system will be able to identify chronic violators. Ensure data collected through proactive screening (BMP#), reports collected from staff, and via the Stormwater Hotline are integrated into this system.	1. Develop a tracking spreadsheet or database to collect data from IDDE investigations and follow-up actions including enforcement, through to closure.	1. Completed	1. Y
		2. Develop an "Illicit Discharge/Dumping Investigation" form to include observed illicit discharge indicators, date, location, and contacts made	2. Completed	2. Y
		3. Ensure IDDE incidents and followup are properly tracked.	3. First year and subsequent years.	3. Number of incidents reported each year.
		4. Update based on annual IDDE review	4. Second year and annually thereafter.	4. date of review
		5.	5.	5.
<p>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.</p>				
BMP No.	A	B	C	D
	Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric
#45.	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.
<p>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.</p>				
BMP No.	A	B	C	D
	Description of BMP	Measurable Task(s)	Schedule for Implementation	Annual Reporting Metric

Illicit Discharge Detection and Elimination BMPs

#46.	Stormwater Hotline			
	(See full BMP description in Public Education and Outreach Table 11) Encourage the reporting of strange smells, colored water, foam, and oil.	1.	1.	1.
		2.	2.	2.
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.

Summary of First Year Illicit Discharge Detection and Elimination Activities

- Create initial maps containing stormdrain infrastructure, waters of the state, sanitary sewer and septic locations, and land use.
- Review ordinance against EPA model ordinance and update if revision is required to maintain adequate legal authority
- Develop enforcement and resolution protocol
- Using discharge and source type scoping, consult with other jurisdictions and DWR for methods for detecting discharge types, and identifying unknown discharges.
- Develop standard operating procedures and data collection forms for field investigations.
- Determine appropriate elimination / treatment protocols for each type of source/discharge.
- Arrange agreements with cooperating entities as needed.
- Ensure IDDE incidents and follow-up are properly tracked.

PART 7: PUBLIC EDUCATION AND OUTREACH PROGRAM

Beaufort 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.

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	Landuse Types	Target Audience(s)	Detection Methods	Preventive Practices	Cleanup Methods	Priority / Frequency / Severity
Nitrogen	fertilizer	SFR, office/comm	Homeowners, businesses, City Public Works		Soil tests, fertilizer guidance, alternative planting		
	Sanitary sewer leaks, sanitary cross-connections	All types					
	Animal waste	SFR ROW, parks	Dog owners		Pet waste bags and disposal stations		
Phosphorus							
Petroleum Products		low-density SFR, auto care businesses	General Public, Businesses, Local Government Employees			Absorbent materials	
Fecal Indicator Bacteria	Sanitary sewer leaks, sanitary cross-connections						
Chlorine (misc hypochlorite)	Pools	SFR, recreation centers		high conductivity	Pool draining guidance for owners, rec center operators		
	Sanitary sewer leaks, cross-connections						
Detergents	Car washes	SFR, commercial	Homeowners, charity organizations		Direct water to grassy areas, intercept with boom and direct to sanitary sewer		

Measurable Tasks for Public Education and Outreach BMPs

Beaufort 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
#47.	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. Completed	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.
#48.	Develop and Update Public Education Plan			
	Develop a Public Education and Outreach Plan based on the pollutants, sources, and audiences identified. The plan will describe specific materials and approaches for addressing identified pollutants, sources, and audiences. Effectiveness will be reviewed annually against	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	2. Second year and annually thereafter.	2. Share revised plan with DEQ

Public Education and Outreach BMPs				
	IDDE investigations, Public Education and Outreach efforts of the past year, and contacts with the public, and lead to Plan revisions.	past events/outreach, including unplanned ones.		
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.
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
#49.	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 (not yet existing)	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 (<i>list materials under Targeted Audiences and Topics</i>), 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
		4.	4.	4.
		5.	5.	5.
#50.	Stormwater Phone Hotline			
	Beaufort County Planning/Inspections: (252)946-7182	1. Will be advertised on stormwater webpage	1. Advertised once website completed	1. Completed y/n?
		2. Beaufort County Inspection's Office to maintain hotline.	2. Completed	2. Y
		3. Add required recording to hotline for after hours calls.	3. First year	1. Completed y/n?
#51.	Partnership with CWEP or Similar Entity			
	Beaufort County will engage with CWEP to develop Education and Outreach Initiatives.	1. Arrange partnership with Entity and establish legal agreement or contract	1. Annually	1. Report date established and terms of legal agreement
		2. Submit a partnership plan detailing specific	2. When required by DEQ	2. Report date plan is approved and

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		commitments of the Entity partnership to NC DEQ for approval		include as enforceable amendment to Local Program
		3. Monitor Entity activities to ensure partnership commitments are met	3. Annually, following establishment of partnership	3. Yes/no/status
		4.	4.	4
		5.	5.	5.

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
#52.	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 6)	1. Upload links to ordinances, post-construction requirements, link to design standards, and other relevant material to website	1. First year	1. Completed y/n?
		2. Update when changes to resources occur	2. Annually	2. Information on what if any updates made.
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.
#53.	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 6)	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 y/n?
		2. Update when changes to resources occur	2. Annually	2. Information on what if any updates made.
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.
#54.	Public Education for BUA Limits and SCM Maintenance			
	Provide education and information resources for Property Owners Associations and the general public regarding	1.	1.	1. C
		2.	2.	2.
		3.	3.	3.

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	BUA limits and the need for adequate SCM maintenance. (This BMP is referenced in Post-Construction Site Runoff Control Table 6)	4.	4.	4.
		5.	5.	5.
#55.	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 and training if investigation determines this is a common cause of miscommunication. (This BMP is referenced in Illicit Discharge and Detection Table 8)	1.	1.	1.
		2.	2.	2.
		3.	3.	3.
		4.	4.	4.
		5.	5.	5.

Summary of First Year Public Education and Outreach Activities

- Develop initial Public Education and Outreach Plan based on identified pollutants, sources, and audiences.
- Establish the stormwater web page.
- Developer resources – general: Upload links to ordinances, post-construction requirements, links to design standards, and other relevant materials to website.
- Developer resources – nutrient rules: Upload links to the NMS Rule, local ordinances, nutrient calculation guidance, nutrient targets, onsite stormwater requirements, and nutrient offset procedures.
- Provide education and information resources for Property Owners Associations and the general public regarding BUA limits and the need for adequate SCM maintenance – Post information to website. (This BMP is referenced in Post-Construction Site Runoff Control Table 6.)
- 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 and training if investigation determines this is a common cause of miscommunication.- Post information to website.(This BMP is referenced in Illicit Discharge and Detection Table 9.)
- Add required recording to stormwater hotline for after-hours calls.