

**GENERAL ASSEMBLY OF NORTH CAROLINA  
SESSION 2013**

**SENATE BILL 294  
RATIFIED BILL**

AN ACT TO ALLOW ENTITIES REGULATED UNDER PHASE II OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PROGRAM TO UTILIZE THE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES TOOLBOX FOR LINEAR TRANSPORTATION PROJECTS.

The General Assembly of North Carolina enacts:

**SECTION 1.** Section 9 of S.L. 2006-246, as amended by S.L. 2008-198, reads as rewritten:

**"SECTION 9.** Post-Construction Practices. –

(a) For post-construction requirements, a program will be deemed compliant for the areas where it is implementing any of the following programs:

- (1) Water Supply Watershed I (WS-I) – 15A NCAC 2B.0212.
- (2) Water Supply Watershed II (WS-II) – 15A NCAC 2B.0214.
- (3) Water Supply Watershed III (WS-III) – 15A NCAC 2B.0215.
- (4) Water Supply Watershed IV (WS-IV) – 15A NCAC 2B.0216.
- (5) Freshwater High Quality Waters (HQW) – 15A NCAC 2H.1006.
- (6) Freshwater Outstanding Resource Waters (ORW) – 15A NCAC 2H.1007.
- (7) The Neuse River Basin Nutrient Sensitive Waters (NSW) Management Strategy – 15A NCAC 2B.0235.
- (8) The Tar-Pamlico River Basin Nutrient Sensitive (NSW) Management Strategy – 15A NCAC 2B.0258.
- (9) The Randleman Lake Water Supply Watershed Nutrient Management Strategy – 15A NCAC 2B.0251.

(b) In order to fulfill the post-construction minimum measure program requirement, a permittee, delegated program, or regulated entity may use the Department's model ordinance, design its own post-construction practices based on the Department's guidance on scientific and engineering standards for best management practices (BMPs), incorporate the post-construction model practices described in this act, or develop its own comprehensive watershed plan that is determined by the Department to meet the post-construction stormwater management measure required by 40 Code of Federal Regulations § 122.34(b)(5) (1 July 2003 Edition).

(b1) In order to fulfill the post-construction minimum measure requirement for linear transportation projects, including private transportation projects constructed to North Carolina Department of Transportation standards that will be conveyed to the State upon completion, a permittee, delegated program, or regulated entity may use the Stormwater Best Management Practices Toolbox developed by the North Carolina Department of Transportation.

(c) Permittees, delegated programs, and regulated entities must require stormwater controls for a project that disturbs one acre or more of land, including a project that disturbs less than one acre of land that is part of a larger common plan of development or sale. The stormwater controls shall be appropriate to the project's level of density as follows:

- (1) Post-construction model practices for low-density projects. – A project that is located within one-half mile of and draining to Shellfish Resource Waters is a low-density project if it contains no more than twelve percent (12%) built-upon area. A project that is not located within one-half mile of Shellfish Resource Waters is a low-density project if it contains no more than twenty-four percent (24%) built-upon area or no more than two dwelling units per acre. Low-density projects must use vegetated conveyances to the maximum extent practicable to transport stormwater



runoff from the project. On-site stormwater treatment devices such as infiltration areas, bioretention areas, and level spreaders may also be used as added controls for stormwater runoff. A project with an overall density at or below the low-density thresholds, but containing areas with a density greater than the overall project density, may be considered low density as long as the project meets or exceeds the post-construction model practices for low-density projects and locates the higher density in upland areas and away from surface waters and drainageways to the maximum extent practicable.

- (2) Post-construction model practices for high-density projects. – A project that is located within one-half mile of and draining to Shellfish Resource Waters is a high-density project if it contains more than twelve percent (12%) built-upon area. A project that is not located within one-half mile of Shellfish Resource Waters is a high-density project if it contains more than twenty-four percent (24%) built-upon area or more than two dwelling units per acre. High-density projects must use structural stormwater management systems that will control and treat runoff from the first one inch of rain unless the project is in a county that is subject to the Coastal Area Management Act of 1974, in which case the project must use structural stormwater management systems that will control and treat runoff from the first one and one-half inches of rain. In addition, projects that are located within one-half mile and draining to Shellfish Resource Waters must control and treat the difference in the stormwater runoff from the predevelopment and post-development conditions for the one-year, 24- hour storm. The structural stormwater management system must also meet the following design standards:

- a. Draw down the treatment volume no faster than 48 hours, but no slower than 120 hours.
- b. Discharge the storage volume at a rate equal to or less than the predevelopment discharge rate for the one-year, 24-hour storm.
- c. Remove an eighty-five percent (85%) average annual amount of Total Suspended Solids.
- d. Meet the General Engineering Design Criteria set out in 15A NCAC 02H .1008(c).
- e. Wet detention ponds designed in accordance with the requirements of subsection (h) of this section may be used for projects draining to Class SA waters.

(d) Permittees, delegated programs, and regulated entities must require built-upon areas to be located at least 30 feet landward of all perennial and intermittent surface waters. For purposes of this section, a surface water shall be present if the feature is shown on either the most recent version of the soil survey map prepared by the Natural Resources Conservation Service of the United States Department of Agriculture or the most recent version of the 1:24,000 scale (7.5 minute) quadrangle topographic maps prepared by the United States Geologic Survey (USGS). Relief from this requirement may be allowed when surface waters are not present in accordance with the provisions of 15A NCAC 02B .0233(3)(a). In addition, an exception to this requirement may be pursued in accordance with subsection (a) of Section 11 of this act.

(e) Permittees, delegated programs, and regulated entities must implement or require a fecal coliform reduction program that controls, to the maximum extent practicable, the sources of fecal coliform. At a minimum, the program shall include the development and implementation of an oversight program to ensure proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater. For municipalities, this program may be coordinated with local county health departments.

(f) Permittees, delegated programs, and regulated entities must impose or require recorded restrictions and protective covenants to be recorded on the property in the Office of the Register of Deeds in the county where the property is located prior to the issuance of a certificate of occupancy in order to ensure that development activities will maintain the project consistent with approved plans.

(g) Permittees, delegated programs, and regulated entities must implement or require an operation and maintenance plan that ensures the adequate long-term operation of the structural

BMPs required by the program. The operation and maintenance plan must require the owner of each structural BMP to submit a maintenance inspection report on each structural BMP annually to the local program.

(h) For areas draining to Class SA waters, permittees, delegated programs, and regulated entities must:

- (1) Use BMPs that result in the highest degree of fecal coliform die-off and control to the maximum extent practicable sources of fecal coliform while still incorporating the stormwater controls required by the project's density level.
- (2) Implement a program to control the sources of fecal coliform to the maximum extent practicable, including a pet waste management component, which may be achieved by revising an existing litter ordinance, and an on-site domestic wastewater treatment systems component to ensure proper operation and maintenance of such systems, which may be coordinated with local county health departments.
- (3) Prohibit new points of stormwater discharge to Class SA waters and prohibit both increases in the volume of stormwater flow through conveyances and increases in capacity of conveyances in existing stormwater conveyance systems that drain to Class SA waters. Any modification or redesign of a stormwater conveyance system within the contributing drainage basin must not increase the net amount or rate of stormwater discharge through existing outfalls to Class SA waters. Diffuse flow of stormwater at a nonerosive velocity to a vegetated buffer or other natural area capable of providing effective infiltration of the runoff from the one-year, 24-hour storm shall not be considered a direct point of stormwater discharge. Consideration shall be given to soil type, slope, vegetation, and existing hydrology when evaluating infiltration effectiveness.

(i) For areas draining to Trout Waters, permittees, delegated programs, and regulated entities must:

- (1) Use BMPs that avoid a sustained increase in the receiving water temperature, while still incorporating the stormwater controls required for the project's density level.
- (2) Allow on-site stormwater treatment devices such as infiltration areas, bioretention areas, and level spreaders as added controls.

(j) For areas draining to Nutrient Sensitive Waters, permittees, delegated programs, and regulated entities must:

- (1) Use BMPs that reduce nutrient loading, while still incorporating the stormwater controls required for the project's density level. In areas where the Department has approved a Nutrient Sensitive Water Urban Stormwater Management Program, the provisions of that program fulfill the nutrient loading reduction requirement. Nutrient Sensitive Water Urban Stormwater Management Program requirements are found in 15A NCAC 02B .0200.
- (2) Implement a nutrient application management program for both inorganic fertilizer and organic nutrients to reduce nutrients entering waters of the State.

(k) For BMPs that require a separation from the seasonal high-water table, the separation shall be provided by at least 12 inches of naturally occurring soil above the seasonal high-water table.

(l) Nothing in this section shall limit, expand, or alter the requirement that a discharge fully comply with all applicable State or federal water quality standards."

**SECTION 2.** This act becomes effective January 1, 2012.

In the General Assembly read three times and ratified this the 28<sup>th</sup> day of May,  
2014.

s/ Daniel J. Forest  
President of the Senate

s/ Thom Tillis  
Speaker of the House of Representatives

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Pat McCrory  
Governor

Approved \_\_\_\_\_ .m. this \_\_\_\_\_ day of \_\_\_\_\_, 2014