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**HOUSE BILL NO. 1224****AMENDMENT IN THE NATURE OF A SUBSTITUTE**

(Proposed by the House Committee on Agriculture, Chesapeake and Natural Resources  
on February 2, 2022)

(Patron Prior to Substitute—Delegate Bulova)

*A BILL to amend and reenact § 62.1-44.15:28, as it is currently effective and as it shall become effective, of the Code of Virginia, relating to stormwater management; proprietary best management practices.*

**Be it enacted by the General Assembly of Virginia:**

**1. That § 62.1-44.15:28, as it is currently effective and as it shall become effective, of the Code of Virginia is amended and reenacted as follows:**

**§ 62.1-44.15:28. (For expiration date, see Acts 2016, cc. 68 and 758, as amended by Acts 2017, c. 345) Development of regulations.**

A. The Board is authorized to adopt regulations that specify minimum technical criteria and administrative procedures for Virginia Stormwater Management Programs. The regulations shall:

1. Establish standards and procedures for administering a VSMP;

2. Establish minimum design criteria for measures to control nonpoint source pollution and localized flooding, and incorporate the stormwater management regulations adopted pursuant to the Erosion and Sediment Control Law (§ 62.1-44.15:51 et seq.), as they relate to the prevention of stream channel erosion. These criteria shall be periodically modified as required in order to reflect current engineering methods;

3. Require the provision of long-term responsibility for and maintenance of stormwater management control devices and other techniques specified to manage the quality and quantity of runoff;

4. Require as a minimum the inclusion in VSMPs of certain administrative procedures that include, but are not limited to, specifying the time period within which a VSMP authority shall grant land-disturbing activity approval, the conditions and processes under which approval shall be granted, the procedures for communicating disapproval, the conditions under which an approval may be changed, and requirements for inspection of approved projects;

5. Establish by regulations a statewide permit fee schedule to cover all costs associated with the implementation of a VSMP related to land-disturbing activities of one acre or greater. Such fee attributes include the costs associated with plan review, VSMP registration statement review, permit issuance, state-coverage verification, inspections, reporting, and compliance activities associated with the land-disturbing activities as well as program oversight costs. The fee schedule shall also include a provision for a reduced fee for land-disturbing activities between 2,500 square feet and up to one acre in Chesapeake Bay Preservation Act (§ 62.1-44.15:67 et seq.) localities. The fee schedule shall be governed by the following:

a. The revenue generated from the statewide stormwater permit fee shall be collected utilizing, where practicable, an online payment system, and the Department's portion shall be remitted to the State Treasurer for deposit in the Virginia Stormwater Management Fund established pursuant to § 62.1-44.15:29. However, whenever the Board has approved a VSMP, no more than 30 percent of the total revenue generated by the statewide stormwater permit fees collected shall be remitted to the State Treasurer for deposit in the Virginia Stormwater Management Fund, with the balance going to the VSMP authority.

b. Fees collected pursuant to this section shall be in addition to any general fund appropriation made to the Department or other supporting revenue from a VSMP; however, the fees shall be set at a level sufficient for the Department and the VSMP to fully carry out their responsibilities under this article and its attendant regulations and local ordinances or standards and specifications where applicable. When establishing a VSMP, the VSMP authority shall assess the statewide fee schedule and shall have the authority to reduce or increase such fees, and to consolidate such fees with other program-related charges, but in no case shall such fee changes affect the amount established in the regulations as available to the Department for program oversight responsibilities pursuant to subdivision 5 a. A VSMP's portion of the fees shall be used solely to carry out the VSMP's responsibilities under this article and its attendant regulations, ordinances, or annual standards and specifications.

c. Until July 1, 2014, the fee for coverage under the General Permit for Discharges of Stormwater from Construction Activities issued by the Board, or where the Board has issued an individual permit or coverage under the General Permit for Discharges of Stormwater from Construction Activities for an entity for which it has approved annual standards and specifications, shall be \$750 for each large construction activity with sites or common plans of development equal to or greater than five acres and \$450 for each small construction activity with sites or common plans of development equal to or greater

60 than one acre and less than five acres. On and after July 1, 2014, such fees shall only apply where  
61 coverage has been issued under the Board's General Permit for Discharges of Stormwater from  
62 Construction Activities to a state agency or federal entity for which it has approved annual standards  
63 and specifications. After establishment, such fees may be modified in the future through regulatory  
64 actions.

65 d. Until July 1, 2014, the Department is authorized to assess a \$125 reinspection fee for each visit to  
66 a project site that was necessary to check on the status of project site items noted to be in  
67 noncompliance and documented as such on a prior project inspection.

68 e. In establishing the fee schedule under this subdivision, the Department shall ensure that the VSMP  
69 authority portion of the statewide permit fee for coverage under the General Permit for Discharges of  
70 Stormwater from Construction Activities for small construction activity involving a single family  
71 detached residential structure with a site or area, within or outside a common plan of development or  
72 sale, that is equal to or greater than one acre but less than five acres shall be no greater than the VSMP  
73 authority portion of the fee for coverage of sites or areas with a land-disturbance acreage of less than  
74 one acre within a common plan of development or sale.

75 f. When any fees are collected pursuant to this section by credit cards, business transaction costs  
76 associated with processing such payments may be additionally assessed;

77 6. Establish statewide standards for stormwater management from land-disturbing activities of one  
78 acre or greater, except as specified otherwise within this article, and allow for the consolidation in the  
79 permit of a comprehensive approach to addressing stormwater management and erosion and sediment  
80 control, consistent with the provisions of the Erosion and Sediment Control Law (§ 62.1-44.15:51 et  
81 seq.) and this article. However, such standards shall also apply to land-disturbing activity exceeding an  
82 area of 2,500 square feet in all areas of the jurisdictions designated as subject to the Chesapeake Bay  
83 Preservation Area Designation and Management Regulations;

84 7. Establish a procedure by which a stormwater management plan that is approved for a residential,  
85 commercial, or industrial subdivision shall govern the development of the individual parcels, including  
86 those parcels developed under subsequent owners;

87 8. Notwithstanding the provisions of subdivision 5, establish a procedure by which neither a  
88 registration statement nor payment of the Department's portion of the statewide permit fee established  
89 pursuant to that subdivision shall be required for coverage under the General Permit for Discharges of  
90 Stormwater from Construction Activities for construction activity involving a single-family detached  
91 residential structure, within or outside a common plan of development or sale;

92 9. Provide for the *certification* and use of a proprietary best management practice only if another  
93 state, regional, or national ~~certification~~ program has verified ~~and certified~~ its nutrient or sediment  
94 removal effectiveness *and all of such program's established test protocol requirements were met or*  
95 *exceeded. As used in this subdivision and any regulations or guidance adopted pursuant to this*  
96 *subdivision, "certification" means a determination by the Department that a proprietary best*  
97 *management practice is approved for use in accordance with this article;*

98 10. Require that VSMPs maintain after-development runoff rate of flow and characteristics that  
99 replicate, as nearly as practicable, the existing predevelopment runoff characteristics and site hydrology,  
100 or improve upon the contributing share of the existing predevelopment runoff characteristics and site  
101 hydrology if stream channel erosion or localized flooding is an existing predevelopment condition.  
102 Except where more stringent requirements are necessary to address total maximum daily load  
103 requirements or to protect exceptional state waters, any land-disturbing activity that provides for  
104 stormwater management shall satisfy the conditions of this subsection if the practices are designed to (i)  
105 detain the water quality volume and to release it over 48 hours; (ii) detain and release over a 24-hour  
106 period the expected rainfall resulting from the one year, 24-hour storm; and (iii) reduce the allowable  
107 peak flow rate resulting from the 1.5-year, two-year, and 10-year, 24-hour storms to a level that is less  
108 than or equal to the peak flow rate from the site assuming it was in a good forested condition, achieved  
109 through multiplication of the forested peak flow rate by a reduction factor that is equal to the runoff  
110 volume from the site when it was in a good forested condition divided by the runoff volume from the  
111 site in its proposed condition, and shall be exempt from any flow rate capacity and velocity  
112 requirements for natural or man-made channels as defined in any regulations promulgated pursuant to  
113 this section or any ordinances adopted pursuant to § 62.1-44.15:27 or 62.1-44.15:33;

114 11. Encourage low-impact development designs, regional and watershed approaches, and  
115 nonstructural means for controlling stormwater;

116 12. Promote the reclamation and reuse of stormwater for uses other than potable water in order to  
117 protect state waters and the public health and to minimize the direct discharge of pollutants into state  
118 waters;

119 13. Establish procedures to be followed when a locality that operates a VSMP wishes to transfer  
120 administration of the VSMP to the Department;

121 14. Establish a statewide permit fee schedule for stormwater management related to municipal

122 separate storm sewer system permits;

123 15. Provide for the evaluation and potential inclusion of emerging or innovative nonproprietary  
124 stormwater control technologies that may prove effective in reducing nonpoint source pollution;

125 16. Require the owner of property that is zoned for residential use and on which is located a  
126 privately owned stormwater management facility serving one or more residential properties to record the  
127 long-term maintenance and inspection requirements for such facility with the deed for the owner's  
128 property; and

129 17. Require that all final plan elements, specifications, or calculations whose preparation requires a  
130 license under Chapter 4 (§ 54.1-400 et seq.) or 22 (§ 54.1-2200 et seq.) of Title 54.1 be appropriately  
131 signed and sealed by a professional who is licensed to engage in practice in the Commonwealth.  
132 Nothing in this subdivision shall authorize any person to engage in practice outside his area of  
133 professional competence.

134 B. The Board may integrate and consolidate components of the regulations implementing the Erosion  
135 and Sediment Control program and the Chesapeake Bay Preservation Area Designation and Management  
136 program with the regulations governing the Virginia Stormwater Management Program (VSMP) Permit  
137 program or repeal components so that these programs may be implemented in a consolidated manner  
138 that provides greater consistency, understanding, and efficiency for those regulated by and administering  
139 a VSMP.

140 § 62.1-44.15:28. (For effective date, see Acts 2016, cc. 68 and 758, as amended by Acts 2017, c.  
141 345) Development of regulations.

142 The Board is authorized to adopt regulations that establish requirements for the effective control of  
143 soil erosion, sediment deposition, and stormwater, including nonagricultural runoff, that shall be met in  
144 any VESMP to prevent the unreasonable degradation of properties, stream channels, waters, and other  
145 natural resources, and that specify minimum technical criteria and administrative procedures for  
146 VESMPs. The regulations shall:

147 1. Establish standards and procedures for administering a VESMP;

148 2. Establish minimum standards of effectiveness of the VESMP and criteria and procedures for  
149 reviewing and evaluating its effectiveness. The minimum standards of program effectiveness established  
150 by the Board shall provide that (i) no soil erosion control and stormwater management plan shall be  
151 approved until it is reviewed by a plan reviewer certified pursuant to § 62.1-44.15:30, (ii) each  
152 inspection of a land-disturbing activity shall be conducted by an inspector certified pursuant to  
153 § 62.1-44.15:30, and (iii) each VESMP shall contain a program administrator, a plan reviewer, and an  
154 inspector, each of whom is certified pursuant to § 62.1-44.15:30 and all of whom may be the same  
155 person;

156 3. Be based upon relevant physical and developmental information concerning the watersheds and  
157 drainage basins of the Commonwealth, including data relating to land use, soils, hydrology, geology,  
158 size of land area being disturbed, proximate water bodies and their characteristics, transportation, and  
159 public facilities and services;

160 4. Include any survey of lands and waters as the Board deems appropriate or as any applicable law  
161 requires to identify areas, including multijurisdictional and watershed areas, with critical soil erosion and  
162 sediment problems;

163 5. Contain conservation standards for various types of soils and land uses, which shall include  
164 criteria, techniques, and methods for the control of soil erosion and sediment resulting from  
165 land-disturbing activities;

166 6. Establish water quality and water quantity technical criteria. These criteria shall be periodically  
167 modified as required in order to reflect current engineering methods;

168 7. Require the provision of long-term responsibility for and maintenance of stormwater management  
169 control devices and other techniques specified to manage the quality and quantity of runoff;

170 8. Require as a minimum the inclusion in VESMPs of certain administrative procedures that include,  
171 but are not limited to, specifying the time period within which a VESMP authority shall grant  
172 land-disturbance approval, the conditions and processes under which such approval shall be granted, the  
173 procedures for communicating disapproval, the conditions under which an approval may be changed, and  
174 requirements for inspection of approved projects;

175 9. Establish a statewide fee schedule to cover all costs associated with the implementation of a  
176 VESMP related to land-disturbing activities where permit coverage is required, and for land-disturbing  
177 activities where the Board serves as a VESMP authority or VSMP authority. Such fee attributes include  
178 the costs associated with plan review, permit registration statement review, permit issuance, permit  
179 coverage verification, inspections, reporting, and compliance activities associated with the land-disturbing  
180 activities as well as program oversight costs. The fee schedule shall also include a provision for a  
181 reduced fee for a land-disturbing activity that disturbs 2,500 square feet or more but less than one acre  
182 in an area of a locality designated as a Chesapeake Bay Preservation Area pursuant to the Chesapeake

183 Bay Preservation Act (§ 62.1-44.15:67 et seq.). The fee schedule shall be governed by the following:

184 a. The revenue generated from the statewide fee shall be collected utilizing, where practicable, an  
185 online payment system, and the Department's portion shall be remitted to the State Treasurer for deposit  
186 in the Virginia Stormwater Management Fund established pursuant to § 62.1-44.15:29. However,  
187 whenever the Board has approved a VESMP, no more than 30 percent of the total revenue generated by  
188 the statewide fees collected shall be remitted to the State Treasurer for deposit in the Virginia  
189 Stormwater Management Fund, with the balance going to the VESMP authority;

190 b. Fees collected pursuant to this section shall be in addition to any general fund appropriation made  
191 to the Department or other supporting revenue from a VESMP; however, the fees shall be set at a level  
192 sufficient for the Department, the Board, and the VESMP to fully carry out their responsibilities under  
193 this article and local ordinances or standards and specifications where applicable. When establishing a  
194 VESMP, the VESMP authority shall assess the statewide fees pursuant to the schedule and shall have  
195 the authority to reduce or increase such fees, and to consolidate such fees with other program-related  
196 charges, but in no case shall such fee changes affect the amount established in the regulations as  
197 available to the Department for program oversight responsibilities pursuant to subdivision a. A VESMP's  
198 portion of the fees shall be used solely to carry out the VESMP's responsibilities under this article and  
199 associated ordinances;

200 c. In establishing the fee schedule under this subdivision, the Department shall ensure that the  
201 VESMP authority portion of the statewide fee for coverage under the General Permit for Discharges of  
202 Stormwater from Construction Activities for small construction activity involving a single-family  
203 detached residential structure with a site or area, within or outside a common plan of development or  
204 sale, that is equal to or greater than one acre but less than five acres shall be no greater than the  
205 VESMP authority portion of the fee for coverage of sites or areas with a land-disturbance acreage of  
206 less than one acre within a common plan of development or sale;

207 d. When any fees are collected pursuant to this section by credit cards, business transaction costs  
208 associated with processing such payments may be additionally assessed;

209 e. Notwithstanding the other provisions of this subdivision 9, establish a procedure by which neither  
210 a registration statement nor payment of the Department's portion of the statewide fee established  
211 pursuant to this subdivision 9 shall be required for coverage under the General Permit for Discharges of  
212 Stormwater from Construction Activities for construction activity involving a single-family detached  
213 residential structure, within or outside a common plan of development or sale;

214 10. Establish statewide standards for soil erosion control and stormwater management from  
215 land-disturbing activities;

216 11. Establish a procedure by which a soil erosion control and stormwater management plan or  
217 stormwater management plan that is approved for a residential, commercial, or industrial subdivision  
218 shall govern the development of the individual parcels, including those parcels developed under  
219 subsequent owners;

220 12. Provide for the *certification and* use of a proprietary best management practice only if another  
221 state, regional, or national ~~certification~~ program has verified ~~and certified~~ its nutrient or sediment  
222 removal effectiveness *and all of such program's established test protocol requirements were met or*  
223 *exceeded. As used in this subdivision and any regulations or guidance adopted pursuant to this*  
224 *subdivision, "certification" means a determination by the Department that a proprietary best*  
225 *management practice is approved for use in accordance with this article;*

226 13. Require that VESMPs maintain after-development runoff rate of flow and characteristics that  
227 replicate, as nearly as practicable, the existing predevelopment runoff characteristics and site hydrology,  
228 or improve upon the contributing share of the existing predevelopment runoff characteristics and site  
229 hydrology if stream channel erosion or localized flooding is an existing predevelopment condition.

230 a. Except where more stringent requirements are necessary to address total maximum daily load  
231 requirements or to protect exceptional state waters, any land-disturbing activity that was subject to the  
232 water quantity requirements that were in effect pursuant to this article prior to July 1, 2014, shall be  
233 deemed to satisfy the conditions of this subsection if the practices are designed to (i) detain the water  
234 volume equal to the first one-half inch of runoff multiplied by the impervious surface of the land  
235 development project and to release it over 48 hours; (ii) detain and release over a 24-hour period the  
236 expected rainfall resulting from the one year, 24-hour storm; and (iii) reduce the allowable peak flow  
237 rate resulting from the 1.5-year, two-year, and 10-year, 24-hour storms to a level that is less than or  
238 equal to the peak flow rate from the site assuming it was in a good forested condition, achieved through  
239 multiplication of the forested peak flow rate by a reduction factor that is equal to the runoff volume  
240 from the site when it was in a good forested condition divided by the runoff volume from the site in its  
241 proposed condition. Any land-disturbing activity that complies with these requirements shall be exempt  
242 from any flow rate capacity and velocity requirements for natural or man-made channels as defined in  
243 any regulations promulgated pursuant to this section or any ordinances adopted pursuant to  
244 § 62.1-44.15:27 or 62.1-44.15:33;

b. Any stream restoration or relocation project that incorporates natural channel design concepts is not a man-made channel and shall be exempt from any flow rate capacity and velocity requirements for natural or man-made channels as defined in any regulations promulgated pursuant to this article;

14. Encourage low-impact development designs, regional and watershed approaches, and nonstructural means for controlling stormwater;

15. Promote the reclamation and reuse of stormwater for uses other than potable water in order to protect state waters and the public health and to minimize the direct discharge of pollutants into state waters;

16. Establish procedures to be followed when a locality chooses to change the type of program it administers pursuant to subsection D of § 62.1-44.15:27;

17. Establish a statewide permit fee schedule for stormwater management related to MS4 permits;

18. Provide for the evaluation and potential inclusion of emerging or innovative nonproprietary stormwater control technologies that may prove effective in reducing nonpoint source pollution;

19. Require the owner of property that is zoned for residential use and on which is located a privately owned stormwater management facility serving one or more residential properties to record the long-term maintenance and inspection requirements for such facility with the deed for the owner's property; and

20. Require that all final plan elements, specifications, or calculations whose preparation requires a license under Chapter 4 (§ 54.1-400 et seq.) or 22 (§ 54.1-2200 et seq.) of Title 54.1 be appropriately signed and sealed by a professional who is licensed to engage in practice in the Commonwealth. Nothing in this subdivision shall authorize any person to engage in practice outside his area of professional competence.

**2. That the Department of Environmental Quality shall prioritize review of any proprietary best management practice (BMP) that was on the Virginia Stormwater BMP Clearinghouse prior to December 31, 2021, and that submits documentation that another state, regional, or national program has verified its nutrient or sediment removal effectiveness and that it met or exceeded all of such program's established test protocol requirements.**