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HOUSE BILL NO. 955**AMENDMENT IN THE NATURE OF A SUBSTITUTE**

(Proposed by the House Committee on Agriculture, Chesapeake and Natural Resources
on January 21, 2004)

(Patron Prior to Substitute—Delegate Barlow)

A BILL to amend and reenact §§ 62.1-44.17:1 and 62.1-44.17:1.1 of the Code of Virginia, relating to confined animal feeding operations.

Be it enacted by the General Assembly of Virginia:

1. That §§ 62.1-44.17:1 and 62.1-44.17:1.1 of the Code of Virginia are amended and reenacted as follows:

§ 62.1-44.17:1. Permits for confined animal feeding operations.

A. For the purposes of this chapter, "confined animal feeding operation" means a lot or facility, together with any associated treatment works, where both of the following conditions are met:

1. Animals have been, are, or will be stabled or confined and fed or maintained for a total of 45 days or more in any 12-month period; and

2. Crops, vegetation, forage growth or post-harvest residues are not sustained over any portion of the operation of the lot or facility.

Two or more confined animal feeding operations under common ownership are considered to be a single confined animal feeding operation if they adjoin each other or if they use a common area or system for the disposal of liquid waste.

A1. Notwithstanding the provisions of subsection B, the Board shall promulgate regulations requiring Virginia Pollutant Discharge Elimination System permits for confined animal feeding operations to the extent necessary to comply with § 402 of the federal Clean Water Act (33 U.S.C. § 1342), as amended.

B. A confined animal feeding operation with 300 or more animal units utilizing a liquid manure collection and storage system, upon fulfillment of the requirements of this section, shall be permitted by a General Virginia Pollution Abatement permit (hereafter referred to as the "General Permit"), adopted by the Board. In adopting the General Permit the Board shall:

1. Authorize the General Permit to pertain to confined animal feeding operations having 300 or more animal units;

2. Establish procedures for submitting a registration statement meeting the requirements of subsection C. Submitting a registration statement shall be evidence of intention to be covered by the General Permit; and

3. Establish criteria for the design and operation of confined animal feeding operations only as described in subsection E.

C. For coverage under the General Permit, the owner of the confined animal feeding operation shall file a registration statement with the Department of Environmental Quality providing the name and address of the owner of the operation, the name and address of the operator of the operation (if different than the owner), the mailing address and location of the operation, and a list of the types, maximum number and average weight of the animals ~~which~~ *that* will be maintained at the facility. The owner shall attach to the registration statement:

1. A copy of a letter of approval of the nutrient management plan for the operation from the Department of Conservation and Recreation;

2. A copy of the approved nutrient management plan;

3. A notification from the governing body of the locality where the operation is located that the operation is consistent with all ordinances adopted pursuant to Chapter 22 (§ 15.2-2200 et seq.) of Title 15.2;

4. A certification that the owner or operator meets all the requirements of the Board for the General Permit; and

5. A certification that the owner has given notice of the registration statement to all owners or residents of property that adjoins the property on which the proposed operation will be located. Such notice shall include (i) the types and maximum number of animals ~~which~~ *that* will be maintained at the facility and (ii) the address and phone number of the appropriate Department of Environmental Quality regional office to which comments relevant to the permit may be submitted. Such certification of notice shall be waived whenever the registration is for the purpose of renewing coverage under a permit for which no expansion is proposed and the Department of Environmental Quality has not issued any special or consent order relating to violations under the existing permit.

D. Any person may submit written comments on the proposed operation to the Department within 30 days of the date of the filing of the registration statement. If, on the basis of such written comments or his review, the Director determines that the proposed operation will not be capable of complying with

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60 the provisions of this section, the Director shall require the owner to obtain an individual permit for the
61 operation. Any such determination by the Director shall be made in writing and received by the owner
62 not more than 45 days after the filing of the registration statement or, if in the Director's sole discretion
63 additional time is necessary to evaluate comments received from the public, not more than 60 days after
64 the filing of the registration statement.

65 E. The criteria for the design and operation of a confined animal feeding operation shall be as
66 follows:

67 1. The operation shall have a liquid manure collection and storage facility designed and operated to:
68 (i) prevent any discharge to state waters, except a discharge resulting from a storm event exceeding a
69 25-year, 24-hour storm and (ii) provide adequate waste storage capacity to accommodate periods when
70 the ground is frozen or saturated, periods when land application of nutrients should not occur due to
71 limited or nonexistent crop nutrient uptake, and periods when physical limitations prohibit the land
72 application of waste;

73 2. The operation shall implement and maintain on site a nutrient management plan approved pursuant
74 to subdivision 1 of subsection C. The nutrient management plan shall contain at a minimum the
75 following information: (i) a site map indicating the location of the waste storage facilities and the fields
76 where waste will be applied; (ii) site evaluation and assessment of soil types and potential productivities;
77 (iii) nutrient management sampling including soil and waste monitoring; (iv) storage and land area
78 requirements; (v) calculation of waste application rates; (vi) waste application schedules; and (vii) a plan
79 for waste utilization in the event the operation is discontinued;

80 3. Adequate buffer zones, where waste shall not be applied, shall be maintained between areas where
81 waste may be applied and (i) water supply wells or springs, (ii) surface water courses, (iii) rock
82 outcroppings, (iv) sinkholes, and (v) occupied dwellings unless a waiver is signed by the occupants of
83 the dwellings;

84 4. The operation shall be monitored as follows: (i) waste shall be monitored at least once per year;
85 (ii) soil shall be monitored at least once every three years; (iii) ground water shall be monitored at new
86 earthen waste storage facilities constructed to an elevation below the seasonal high water table or within
87 one foot thereof; and (iv) all facilities previously covered by a Virginia Pollution Abatement permit that
88 required ground water monitoring shall continue such monitoring. In such facilities constructed below
89 the water table, the top surface of the waste must be maintained at a level of at least two feet above the
90 water table. The Department of Environmental Quality and the Department of Conservation and
91 Recreation may include in the permit or nutrient management plan more frequent or additional
92 monitoring of waste, soils or groundwater as required to protect state waters. Records shall be
93 maintained to demonstrate where and at what rate waste has been applied, that the application schedule
94 has been followed, and what crops have been planted. Such records shall be available for inspection by
95 the Department of Environmental Quality and shall be maintained for a period of five years after
96 recorded application is made;

97 5. New earthen waste storage facilities shall include a properly designed and installed liner. Such
98 liner shall be either a synthetic liner of at least 20 mils thickness or a compacted soil liner of at least
99 one foot thickness with a maximum permeability rating of 0.0014 inches per hour. A licensed
100 professional engineer, an employee of the Natural Resources Conservation Service of the United States
101 Department of Agriculture with appropriate engineering approval authority, or an employee of a soil and
102 water conservation district with appropriate engineering approval authority shall certify that the siting,
103 design and construction of the waste storage facility comply with the requirements of this section;

104 6. New waste storage facilities shall not be located on a 100-year flood plain;

105 7. All facilities must maintain one foot of freeboard at all times, up to and including a 25-year,
106 24-hour storm;

107 8. All equipment needed for the proper operation of the permitted facilities shall be maintained in
108 good working order. Manufacturer's operating and maintenance manuals shall be retained for references
109 to allow for timely maintenance and prompt repair of equipment when appropriate;

110 9. The owner or operator of the operation shall notify the Department of Environmental Quality at
111 least 14 days prior to animals being placed in the confined facility; and

112 10. Each operator of a facility covered by the General Permit on July 1, 1999, shall, by January 1,
113 2000, complete the training program offered or approved by the Department of Conservation and
114 Recreation under subsection F. Each operator of a facility permitted after July 1, 1999, shall complete
115 such training within one year after the registration statement required by subsection C has been
116 submitted. Thereafter, all operators shall complete the training program at least once every three years.

117 F. The Department of Conservation and Recreation, in consultation with the Department of
118 Environmental Quality and the Virginia Cooperative Extension Service, shall develop or approve a
119 training program for persons operating confined animal feeding operations covered by the General
120 Permit. The program shall include training in the requirements of the General Permit; the use of best
121 management practices; inspection and management of liquid manure collection, storage and application

systems; water quality monitoring and spill prevention; and emergency procedures.

G. Operations having an individual Virginia Pollution Abatement permit or a No Discharge Certificate may submit a registration statement for operation under the General Permit pursuant to this section.

H. The Director of the Department of Environmental Quality may require the owner of a confined animal feeding operation to obtain an individual permit for an operation subject to this section upon determining that the operation is in violation of the provisions of this section or if coverage under an individual permit is required to comply with federal law. New or reissued individual permits shall contain criteria for the design and operation of confined animal feeding operations including, but not limited to, those described in subsection E.

I. No person shall operate a confined animal feeding operation with 300 or more animal units utilizing a liquid manure collection and storage system after July 1, 2000, without having submitted a registration statement as provided in subsection C or being covered by a Virginia Pollutant Discharge Elimination System permit or an individual Virginia Pollution Abatement permit.

J. Any person violating this section shall be subject only to the provisions of §§ 62.1-44.23 and 62.1-44.32 (a), except that any civil penalty imposed shall not exceed \$2,500 *for any confined animal feeding operation covered by a Virginia Pollution Abatement permit.*

§ 62.1-44.17:1.1. Poultry waste management program.

A. As used in this section, unless the context requires a different meaning:

"Commercial poultry processor" means any animal food manufacturer, as defined in § 3.1-884.18, that contracts with poultry growers for the raising of poultry.

"Confined poultry feeding operation" means any confined animal feeding operation with 200 or more animal units of poultry.

"Nutrient management plan" means a plan developed or approved by the Department of Conservation and Recreation that requires proper storage, treatment and management of poultry waste, including dry litter, and limits accumulation of excess nutrients in soils and leaching or discharge of nutrients into state waters.

"Poultry grower" means any person who owns or operates a confined poultry feeding operation.

B. The Board shall develop a regulatory program governing the storage, treatment and management of poultry waste, including dry litter, that:

1. Requires the development and implementation of nutrient management plans for any person owning or operating a confined poultry feeding operation;

2. Provides for waste tracking and accounting; and

3. Ensures proper storage of waste consistent with the terms and provisions of a nutrient management plan.

C. The program shall include, at a minimum:

1. Provisions for permitting confined poultry feeding operations under a general permit; however, the Board may require an individual permit upon determining that an operation is in violation of the program developed under this section;

2. Provisions requiring that:

a. Nitrogen application rates contained in nutrient management plans developed pursuant to this section shall not exceed crop nutrient needs as determined by the Department of Conservation and Recreation. The application of poultry waste shall be managed to minimize runoff, leaching, and volatilization losses, and reduce adverse water quality impacts from nitrogen;

b. For all nutrient management plans developed pursuant to this section after October 1, 2001, phosphorus application rates shall not exceed the greater of crop nutrient needs or crop nutrient removal, as determined by the Department of Conservation and Recreation. The application of poultry waste shall be managed to minimize runoff and leaching and reduce adverse water quality impacts from phosphorous;

c. By December 31, 2005, the Department of Conservation and Recreation, in consultation with the Department of Environmental Quality, shall (i) complete an examination of current developments in scientific research and technology ~~which~~ *that* shall include a review of land application of poultry waste, soil nutrient retention capacity, and water quality degradation and (ii) adopt and implement regulatory or other changes, if any, to its nutrient management plan program that it concludes are appropriate as a result of this examination; and

d. For all nutrient management plans developed pursuant to this section after December 31, 2005, and not prior thereto, phosphorous application rates shall conform to the provisions of subdivision 2 b of this subsection and shall be in accordance with other regulatory criteria and standards, if any, amended or adopted by the Department of Conservation and Recreation pursuant to subdivision 2 c of this subsection to protect water quality or to reduce soil concentrations of phosphorous or phosphorous loadings. The application of poultry waste shall be managed to minimize runoff and leaching and reduce

183 adverse water quality impacts from phosphorous.

184 D. The program shall reflect Board consideration of existing state-approved nutrient management
185 plans and existing general permit programs for other confined animal feeding operations, and may
186 include such other provisions as the Board determines appropriate for the protection of state waters.

187 E. After October 1, 2001, all persons owning or operating a confined poultry feeding operation shall
188 operate in compliance with the provisions of this section and any regulations promulgated thereunder.

189 F. Any person violating this section shall be subject only to the provisions of §§ 62.1-44.23 and
190 62.1-44.32 (a), except that any civil penalty shall not exceed \$2,500 *for any confined animal feeding*
191 *operation covered by a Virginia Pollution Abatement permit.*

192 G. On or before January 1, 2000, or prior to commencing operations, each commercial poultry
193 processor operating in the Commonwealth shall file with the Board a plan under which the processor,
194 either directly or under contract with a third party, shall:

195 1. Provide technical assistance to the poultry growers with whom it contracts on the proper
196 management and storage of poultry waste in accordance with best management practices;

197 2. Provide education programs on poultry waste nutrient management for the poultry growers with
198 whom it contracts as well as for poultry litter brokers and persons utilizing poultry waste;

199 3. Provide a toll-free hotline and advertising program to assist poultry growers with excess amounts
200 of poultry waste to make available such waste to persons in other areas who can use such waste as a
201 fertilizer consistent with the provisions of subdivision C 2 or for other alternative purposes;

202 4. Participate in the development of a poultry waste transportation and alternative use equal matching
203 grant program between the Commonwealth and commercial poultry processors to (i) facilitate the
204 transportation of excess poultry waste in the possession of poultry growers with whom it contracts to
205 persons in other areas who can use such waste as a fertilizer consistent with the provisions of
206 subdivision C 2 or for other alternative purposes and (ii) encourage alternative uses to land application
207 of poultry waste;

208 5. Conduct research on the reduction of phosphorus in poultry waste, innovative best management
209 practices for poultry waste, water quality issues concerning poultry waste, or alternative uses of poultry
210 waste; and

211 6. Conduct research on and consider implementation of nutrient reduction strategies in the
212 formulation of feed. Such nutrient reduction strategies may include the addition of phytase or other feed
213 additives or modifications to reduce nutrients in poultry waste.

214 H. Any amendments to the plan required by subsection G shall be filed with the Board before they
215 are implemented. After January 1, 2000, each commercial poultry processor shall implement its plan and
216 any amendments thereto. Each commercial poultry processor shall report annually to the Board on the
217 activities it has undertaken pursuant to its plan and any amendments thereto. Failure to comply with the
218 provisions of this section or to implement and follow a filed plan or any amendments thereto shall
219 constitute a violation of this section.