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SENATE BILL NO. 1413

Offered January 23, 2015

A *BILL to amend and reenact §§ 62.1-44.16 and 62.1-44.19:3 of the Code of Virginia, relating to fees for the land application of industrial wastes.*

Patron—Dance

Referred to Committee on Agriculture, Conservation and Natural Resources

Be it enacted by the General Assembly of Virginia:

1. That §§ 62.1-44.16 and 62.1-44.19:3 of the Code of Virginia are amended and reenacted as follows:

§ 62.1-44.16. Industrial wastes.

(1) A. Any owner who erects, constructs, opens, reopens, expands or employs new processes in or operates any establishment from which there is a potential or actual discharge of industrial wastes or other wastes to state waters shall first provide facilities approved by the Board for the treatment or control of such industrial wastes or other wastes.

Application for such discharge shall be made to the Board and shall be accompanied by pertinent plans, specifications, maps, and such other relevant information as may be required, in scope and details satisfactory to the Board.

(a) 1. Public notice of every such application shall be given by notice published once a week for two successive weeks in a newspaper of general circulation in the county or city where the certificate is applied for or by such other means as the Board may prescribe.

(b) 2. The Board shall review the application and the information that accompanies it as soon as practicable and making a ruling within a period of four months from the date the application is filed with the Board approving or disapproving the application and stating the grounds for conditional approval or disapproval. If the application is approved, the Board shall grant a certificate for the discharge of the industrial wastes or other wastes into state waters or for the other alteration of the physical, chemical or biological properties of state waters, as the case may be. If the application is disapproved, the Board shall notify the owner as to what measures, if any, the owner may take to secure approval.

(2) (a) B. Any owner operating under a valid certificate issued by the Board who fails to meet water quality standards established by the Board solely as a result of a change in water quality standards or in the law shall provide the necessary facilities approved by the Board within a reasonable time to meet such new requirements; provided, however, that such facilities shall be reasonable and practicable of attainment giving consideration to the public interest and the equities of the case. The Board may amend such certificate, or revoke it and issue a new one to reflect such facilities after proper hearing, with at least thirty days' notice to the owner of the time, place and purpose thereof. If such revocation or amendment of a certificate is mutually agreeable to the Board and the owner involved, the hearing and notice may be dispensed with.

(b) C. The Board shall revoke the certificate in case of a failure to comply with all such requirements and may issue a special order under subdivisions (8a), (8b), and (8c) of § 62.1-44.15 (8).

D. Any locality may adopt an ordinance that provides for the testing and monitoring of the land application of industrial wastes within its political boundaries to ensure compliance with applicable laws and regulations.

E. The Board shall adopt regulations requiring the payment of a fee for the land application of industrial wastes, pursuant to permits issued under this section, in localities that have adopted ordinances in accordance with subsection D. The person land applying industrial wastes shall (i) provide advance notice of the estimated fee to the generator of the industrial wastes unless notification is waived, (ii) collect the fee from the generator, and (iii) remit the fee to the Department of Environmental Quality as provided by regulation. The fee shall not exceed the amount necessary to reimburse the direct costs of a reasonable amount of testing and of the monitoring of the land application of industrial wastes by localities that have adopted such ordinances. The fee shall be imposed on each dry ton of industrial wastes that is land applied in a locality in accordance with the regulations adopted by the Board. The regulations shall include requirements and procedures for:

1. Collection of fees by the Department of Environmental Quality;

2. The deposit of collected fees into the Sludge Management Fund established by subsection G of § 62.1-44.19:3; and

3. Disbursement of proceeds from the Sludge Management Fund by the Department of Environmental

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59 *Quality to reimburse localities with duly adopted ordinances providing for the testing and monitoring of*
60 *the land application of industrial wastes, as provided in subsection D.*

61 **§ 62.1-44.19:3. Prohibition on land application, marketing and distribution of sewage sludge**
62 **without permit; ordinances; notice requirement; fees.**

63 A. 1. No owner of a sewage treatment works shall land apply, market or distribute sewage sludge
64 from such treatment works except in compliance with a valid Virginia Pollutant Discharge Elimination
65 System Permit or valid Virginia Pollution Abatement Permit.

66 2. Sewage sludge shall be treated to meet standards for land application as required by Board
67 regulation prior to delivery at the land application site. No person shall alter the composition of sewage
68 sludge at a site approved for land application of sewage sludge under a Virginia Pollution Abatement
69 Permit or a Virginia Pollutant Discharge Elimination System. Any person who engages in the alteration
70 of such sewage sludge shall be subject to the penalties provided in Article 6 (§ 62.1-44.31 et seq.) of
71 this chapter. The addition of lime or deodorants to sewage sludge that has been treated to meet land
72 application standards shall not constitute alteration of the composition of sewage sludge. The Department
73 may authorize public institutions of higher education to conduct scientific research on the composition of
74 sewage sludge that may be applied to land.

75 3. No person shall contract or propose to contract, with the owner of a sewage treatment works, to
76 land apply, market or distribute sewage sludge in the Commonwealth, nor shall any person land apply,
77 market or distribute sewage sludge in the Commonwealth without a current Virginia Pollution
78 Abatement Permit authorizing land application, marketing or distribution of sewage sludge and
79 specifying the location or locations, and the terms and conditions of such land application, marketing or
80 distribution. The permit application shall not be complete unless it includes the landowner's written
81 consent to apply sewage sludge on his property.

82 4. The land disposal of lime-stabilized septage and unstabilized septage is prohibited.

83 5. Beginning July 1, 2007, no application for a permit or variance to authorize the storage of sewage
84 sludge shall be complete unless it contains certification from the governing body of the locality in which
85 the sewage sludge is to be stored that the storage site is consistent with all applicable ordinances. The
86 governing body shall confirm or deny consistency within 30 days of receiving a request for certification.
87 If the governing body does not so respond, the site shall be deemed consistent.

88 B. The Board, with the assistance of the Department of Conservation and Recreation and the
89 Department of Health, shall adopt regulations to ensure that (i) sewage sludge permitted for land
90 application, marketing, or distribution is properly treated or stabilized; (ii) land application, marketing,
91 and distribution of sewage sludge is performed in a manner that will protect public health and the
92 environment; and (iii) the escape, flow or discharge of sewage sludge into state waters, in a manner that
93 would cause pollution of state waters, as those terms are defined in § 62.1-44.3, shall be prevented.

94 C. Regulations adopted by the Board, with the assistance of the Department of Conservation and
95 Recreation and the Department of Health pursuant to subsection B, shall include:

96 1. Requirements and procedures for the issuance and amendment of permits, including general
97 permits, authorizing the land application, marketing or distribution of sewage sludge;

98 2. Procedures for amending land application permits to include additional application sites and
99 sewage sludge types;

100 3. Standards for treatment or stabilization of sewage sludge prior to land application, marketing or
101 distribution;

102 4. Requirements for determining the suitability of land application sites and facilities used in land
103 application, marketing or distribution of sewage sludge;

104 5. Required procedures for land application, marketing, and distribution of sewage sludge;

105 6. Requirements for sampling, analysis, recordkeeping, and reporting in connection with land
106 application, marketing, and distribution of sewage sludge;

107 7. Provisions for notification of local governing bodies to ensure compliance with §§ 62.1-44.15:3
108 and 62.1-44.19:3.4;

109 8. Requirements for site-specific nutrient management plans, which shall be developed by persons
110 certified in accordance with § 10.1-104.2 prior to land application for all sites where sewage sludge is
111 land applied, and approved by the Department of Conservation and Recreation prior to permit issuance
112 under specific conditions, including but not limited to, sites operated by an owner or lessee of a
113 Confined Animal Feeding Operation, as defined in subsection A of § 62.1-44.17:1, or Confined Poultry
114 Feeding Operation, as defined in § 62.1-44.17:1.1, sites where the permit authorizes land application
115 more frequently than once every three years at greater than 50 percent of the annual agronomic rate, and
116 other sites based on site-specific conditions that increase the risk that land application may adversely
117 impact state waters;

118 9. Procedures for the prompt investigation and disposition of complaints concerning land application
119 of sewage sludge, including the requirements that (i) holders of permits issued under this section shall
120 report all complaints received by them to the Department and to the local governing body of the

jurisdiction in which the complaint originates, and (ii) localities receiving complaints concerning land application of sewage sludge shall notify the Department and the permit holder. The Department shall maintain a searchable electronic database of complaints received during the current and preceding calendar year, which shall include information detailing each complaint and how it was resolved; and

10. Procedures for receiving and responding to public comments on applications for permits and for permit amendments authorizing land application at additional sites. Such procedures shall provide that an application for any permit amendments to increase the acreage authorized by the initial permit by 50 percent or more shall be treated as a new application for purposes of public notice and public hearings.

D. Prior to issuance of a permit authorizing the land application, marketing or distribution of sewage sludge, the Department shall consult with, and give full consideration to the written recommendations of the Department of Health and the Department of Conservation and Recreation. Such consultation shall include any public health risks or water quality impacts associated with the permitted activity. The Department of Health and the Department of Conservation and Recreation may submit written comments on proposed permits within 30 days after notification by the Department.

E. Where, because of site-specific conditions, including soil type, identified during the permit application review process, the Department determines that special requirements are necessary to protect the environment or the health, safety or welfare of persons residing in the vicinity of a proposed land application site, the Department may incorporate in the permit at the time it is issued reasonable special conditions regarding buffering, transportation routes, slope, material source, methods of handling and application, and time of day restrictions exceeding those required by the regulations adopted under this section. Before incorporating any such conditions into the permit, the Department shall provide written notice to the permit applicant, specifying the reasons therefor and identifying the site-specific conditions justifying the additional requirements. The Department shall incorporate into the notice any written requests or recommendations concerning such site-specific conditions submitted by the local governing body where the land application is to take place. The permit applicant shall have at least 14 days in which to review and respond to the proposed conditions.

F. The Board shall adopt regulations prescribing a fee to be charged to all permit holders and persons applying for permits and permit modifications pursuant to this section. All fees collected pursuant to this subsection shall be deposited into the Sludge Management Fund. The fee for the initial issuance of a permit shall be \$5,000. The fee for the reissuance, amendment, or modification of a permit for an existing site shall not exceed \$1,000 and shall be charged only for permit actions initiated by the permit holder. Fees collected under this section shall be exempt from statewide indirect costs charged and collected by the Department of Accounts and shall not supplant or reduce the general fund appropriation to the Department.

G. There is hereby established in the treasury a special fund to be known as the Sludge Management Fund, hereinafter referred to as the Fund. The fees required by this section *and by subsection E of § 62.1-44.16* shall be transmitted to the Comptroller to be deposited into the Fund. The income and principal of the Fund shall be used only and exclusively (i) for the Department's direct and indirect costs associated with the processing of an application to issue, reissue, amend, or modify any permit to land apply, distribute, or market sewage sludge; *or industrial wastes*, the administration and management of the Department's sewage sludge *and industrial wastes* land application ~~program~~ *programs*, including but ~~not limited to~~, monitoring and inspecting, *and* the Department of Conservation and Recreation's costs for implementation of the sewage sludge application program; and (ii) to reimburse localities with duly adopted ordinances providing for the testing and monitoring of the land application of sewage sludge *or industrial wastes*. The State Treasurer shall be the custodian of the moneys deposited in the Fund. No part of the Fund, either principal or interest earned thereon, shall revert to the general fund of the state treasury.

H. All persons holding or applying for a permit authorizing the land application of sewage sludge shall provide to the Board written evidence of financial responsibility, which shall be available to pay claims for cleanup costs, personal injury, and property damages resulting from the transportation, storage or land application of sewage sludge. The Board shall, by regulation, establish and prescribe mechanisms for meeting the financial responsibility requirements of this section.

I. Any county, city or town may adopt an ordinance that provides for the testing and monitoring of the land application of sewage sludge within its political boundaries to ensure compliance with applicable laws and regulations.

J. The Department, upon the timely request of any individual to test the sewage sludge at a specific site, shall collect samples of the sewage sludge at the site prior to the land application and submit such samples to a laboratory. The testing shall include an analysis of the (i) concentration of trace elements, (ii) coliform count, and (iii) pH level. The results of the laboratory analysis shall be (a) furnished to the individual requesting that the test be conducted and (b) reviewed by the Department. The person requesting the test and analysis of the sewage sludge shall pay the costs of sampling, testing, and

182 analysis.

183 K. At least 100 days prior to commencing land application of sewage sludge at a permitted site, the
184 permit holder shall deliver or cause to be delivered written notification to the chief executive officer or
185 his designee for the local government where the site is located. The notice shall identify the location of
186 the permitted site and the expected sources of the sewage sludge to be applied to the site. This
187 requirement may be satisfied by providing a list of all available permitted sites in the locality at least
188 100 days prior to commencing the application at any site on the list. This requirement shall not apply to
189 any application commenced prior to October 10, 2005. If the site is located in more than one county,
190 the notice shall be provided to all jurisdictions where the site is located.

191 L. The permit holder shall deliver or cause to be delivered written notification to the Department at
192 least 14 days prior to commencing land application of sewage sludge at a permitted site. The notice
193 shall identify the location of the permitted site and the expected sources of the sewage sludge to be
194 applied to the site.

195 M. The Department shall randomly conduct unannounced site inspections while land application of
196 sewage sludge is in progress at a sufficient frequency to determine compliance with the requirements of
197 this section, § 62.1-44.19:3.1, or regulations adopted under those sections.

198 N. Surface incorporation into the soil of sewage sludge applied to cropland may be required when
199 practicable and compatible with a soil conservation plan meeting the standards and specifications of the
200 U.S. Department of Agriculture Natural Resources Conservation Service.

201 O. The Board shall develop regulations specifying and providing for extended buffers to be employed
202 for application of sewage sludge (i) to hay, pasture, and forestlands; or (ii) to croplands where surface
203 incorporation is not practicable or is incompatible with a soil conservation plan meeting the standards
204 and specifications of the U.S. Department of Agriculture Natural Resources Conservation Service. Such
205 extended buffers may be included by the Department as site specific permit conditions pursuant to
206 subsection E, as an alternative to surface incorporation when necessary to protect odor sensitive
207 receptors as determined by the Department or the local monitor.

208 P. The Board shall adopt regulations requiring the payment of a fee for the land application of
209 sewage sludge, pursuant to permits issued under this section. The person land applying sewage sludge
210 shall (i) provide advance notice of the estimated fee to the generator of the sewage sludge unless
211 notification is waived, (ii) collect the fee from the generator, and (iii) remit the fee to the Department as
212 provided for by regulation. The fee shall be imposed on each dry ton of sewage sludge that is land
213 applied in the Commonwealth. The regulations shall include requirements and procedures for:

- 214 1. Collection of fees by the Department;
- 215 2. Deposit of the fees into the Fund; and
- 216 3. Disbursement of proceeds by the Department pursuant to subsection G.

217 Q. The Department, in consultation with the Department of Health, the Department of Conservation
218 and Recreation, the Department of Agriculture and Consumer Services, and the Virginia Cooperative
219 Extension Service, shall establish and implement a program to train persons employed by those local
220 governments that have adopted ordinances, pursuant to this section, to test and monitor the land
221 application of sewage sludge. The program shall include, at a minimum, instruction in: (i) the provisions
222 of the Virginia Biosolids Use Regulations; (ii) land application methods and equipment, including
223 methods and processes for preparation and stabilization of sewage sludge that is land applied; (iii)
224 sampling and chain of custody control; (iv) preparation and implementation of nutrient management
225 plans for land application sites; (v) complaint response and preparation of complaint and inspection
226 reports; (vi) enforcement authority and procedures; (vii) interaction and communication with the public;
227 and (viii) preparation of applications for reimbursement of local monitoring costs disbursed pursuant to
228 subsection G. To the extent feasible, the program shall emphasize in-field instruction and practical
229 training. Persons employed by local governments shall successfully complete such training before the
230 local government may request reimbursement from the Board for testing and monitoring of land
231 application of sewage sludge performed by the person. The completion of training shall not be a
232 prerequisite to the exercise of authority granted to local governments by any applicable provision of law.

233 The Department may:

- 234 1. Charge attendees a reasonable fee to recover the actual costs of preparing course materials and
235 providing facilities and instructors for the program. The fee shall be reimbursable from the Fund
236 established pursuant to this section; and

- 237 2. Request and accept the assistance and participation of other state agencies and institutions in
238 preparing and presenting the course of training established by this subsection.

239 R. Localities, as part of their zoning ordinances, may designate or reasonably restrict the storage of
240 sewage sludge based on criteria directly related to the public health, safety, and welfare of its citizens
241 and the environment. Notwithstanding any contrary provision of law, a locality may by ordinance
242 require that a special exception or a special use permit be obtained to begin the storage of sewage
243 sludge on any property in its jurisdiction, including any area that is zoned as an agricultural district or

244 classification. Such ordinances shall not restrict the storage of sewage sludge on a farm as long as such
245 sludge is being stored (i) solely for land application on that farm and (ii) for a period no longer than 45
246 days. No person shall apply to the State Health Commissioner or the Department of Environmental
247 Quality for a permit, a variance, or a permit modification authorizing such storage without first
248 complying with all requirements adopted pursuant to this subsection.
249 **2. That the State Water Control Board shall promulgate regulations to implement the provisions**
250 **of this act to be effective within 280 days of its enactment.**

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