

GENERAL ASSEMBLY OF NORTH CAROLINA  
SESSION 2017

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HOUSE BILL 576  
Committee Substitute Favorable 4/20/17  
Committee Substitute #2 Favorable 4/24/17

Short Title: Allow Aerosolization of Leachate.

(Public)

Sponsors:

Referred to:

April 6, 2017

A BILL TO BE ENTITLED

AN ACT TO (1) REQUIRE THE DEPARTMENT OF ENVIRONMENTAL QUALITY TO APPROVE AEROSOLIZATION OF LEACHATE AND WASTEWATER FROM A LINED SANITARY LANDFILL FOR THE DISPOSAL OF MUNICIPAL SOLID WASTE LANDFILL, IN CERTAIN CIRCUMSTANCES; (2) ALLOW THE DEPARTMENT TO APPROVE AEROSOLIZATION OF LEACHATE FROM UNLINED LANDFILLS; AND (3) PROVIDE THAT AEROSOLIZATION OF LEACHATE OR WASTEWATER THAT RESULTS IN A ZERO-LIQUID DISCHARGE AND IS NOT A SIGNIFICANT AIR CONTAMINATION SOURCE DOES NOT CONSTITUTE A SOURCE THAT REQUIRES CERTAIN PERMITS.

The General Assembly of North Carolina enacts:

**SECTION 1.(a)** G.S. 130A-294(a) reads as rewritten:

**"§ 130A-294. Solid waste management program.**

(a) The Department is authorized and directed to engage in research, conduct investigations and surveys, make inspections and establish a statewide solid waste management program. In establishing a program, the Department shall have authority to:

...

- (4) a. Develop a permit system governing the establishment and operation of solid waste management facilities. A landfill with a disposal area of 1/2 acre or less for the on-site disposal of land clearing and inert debris is exempt from the permit requirement of this section and shall be governed by G.S. 130A-301.1. Demolition debris from the decommissioning of manufacturing buildings, including electric generating stations, that is disposed of on the same site as the decommissioned buildings, is exempt from the permit requirement of this section and rules adopted pursuant to this section and shall be governed by G.S. 130A-301.3. The Department shall not approve an application for a new permit, major permit modification, or a substantial amendment to a permit for a sanitary landfill, excluding demolition landfills as defined in the rules of the Commission, except as provided in subdivisions (3) and (4) of subsection (b1) of this section. No permit shall be granted for a solid waste management facility having discharges that are point sources until the Department has referred the complete plans and specifications to the Commission and has received advice in writing that the plans and specifications



1 are approved in accordance with the provisions of G.S. 143-215.1. In  
2 any case where the Department denies a permit for a solid waste  
3 management facility, it shall state in writing the reason for denial and  
4 shall also state its estimate of the changes in the applicant's proposed  
5 activities or plans that will be required for the applicant to obtain a  
6 permit.

7 b. Repealed by Session Laws 2007-550, s. 1(a), effective August 1,  
8 2007.

9 c. The Department shall deny an application for a permit for a solid  
10 waste management facility if the Department finds that:

- 11 1. Construction or operation of the proposed facility would be  
12 inconsistent with or violate rules adopted by the Commission.
- 13 2. Construction or operation of the proposed facility would  
14 result in a violation of water quality standards adopted by the  
15 Commission pursuant to G.S. 143-214.1 for waters, as  
16 defined in G.S. 143-213.
- 17 3. Construction or operation of the facility would result in  
18 significant damage to ecological systems, natural resources,  
19 cultural sites, recreation areas, or historic sites of more than  
20 local significance. These areas include, but are not limited to,  
21 national or State parks or forests; wilderness areas; historic  
22 sites; recreation areas; segments of the natural and scenic  
23 rivers system; wildlife refuges, preserves, and management  
24 areas; areas that provide habitat for threatened or endangered  
25 species; primary nursery areas and critical fisheries habitat  
26 designated by the Marine Fisheries Commission; and  
27 Outstanding Resource Waters designated by the Commission.
- 28 4. Construction or operation of the proposed facility would  
29 substantially limit or threaten access to or use of public trust  
30 waters or public lands.
- 31 5. The proposed facility would be located in a natural hazard  
32 area, including a floodplain, a landslide hazard area, or an  
33 area subject to storm surge or excessive seismic activity, such  
34 that the facility will present a risk to public health or safety.
- 35 6. There is a practical alternative that would accomplish the  
36 purposes of the proposed facility with less adverse impact on  
37 public resources, considering engineering requirements and  
38 economic costs.
- 39 7. The cumulative impacts of the proposed facility and other  
40 facilities in the area of the proposed facility would violate the  
41 criteria set forth in sub-sub-subdivisions 2. through 5. of this  
42 sub-subdivision.
- 43 8. Construction or operation of the proposed facility would be  
44 inconsistent with the State solid waste management policy  
45 and goals as set out in G.S. 130A-309.04 and with the State  
46 solid waste management plan developed as provided in  
47 G.S. 130A-309.07.
- 48 9. The cumulative impact of the proposed facility, when  
49 considered in relation to other similar impacts of facilities  
50 located or proposed in the community, would have a  
51 disproportionate adverse impact on a minority or low-income

- 1 community protected by Title VI of the federal Civil Rights
- 2 Act of 1964. This subdivision shall apply only to the extent
- 3 required by federal law.
- 4 d. Management of land clearing debris burned in accordance with 15A
- 5 NCAC 02D.1903 shall not require a permit pursuant to this section.
- 6 e. For the purpose of the management and/or disposal of leachate and
- 7 non-domestic wastewater collected from a lined sanitary landfill for
- 8 the disposal of municipal solid waste, except those permitted for the
- 9 disposal of coal combustion residuals and wastewater from a swine
- 10 lagoon, the Department shall approve aerosolization of leachate and
- 11 wastewater as an acceptable method of site management within the
- 12 landfill lined area only. The Department may consider aerosolization
- 13 of leachate as an acceptable method of site management for unlined
- 14 landfills. An applicant shall provide the Department with data that
- 15 characterizes contaminants of concern around the landfill emanating
- 16 from aerosolization. Aerosolization of leachate that results in a
- 17 zero-liquid discharge and is not a significant air contamination
- 18 source does not constitute a source that requires a permit under either
- 19 Article 21 or Article 21B of Chapter 143 of the General Statutes.

20 ...."

21 **SECTION 1.(b)** The Department of Environmental Quality shall gather  
22 information on aerosolization projects approved pursuant to Section 1(a) of this act and report  
23 its findings, including any recommendations for legislative action, to the Environmental  
24 Review Commission on or before March 31, 2018.

25 **SECTION 2.** This act is effective when it becomes law.