

§ 143-215.10I. Performance standards for animal waste management systems that serve swine farms; lagoon and sprayfield systems prohibited.

(a) As used in this section:

- (1) "Anaerobic lagoon" means a lagoon that treats waste by converting it into carbon dioxide, methane, ammonia, and other gaseous compounds; organic acids; and cell tissue through an anaerobic process.
- (2) "Anaerobic process" means a biological treatment process that occurs in the absence of dissolved oxygen.
- (3) "Lagoon" has the same meaning as in G.S. 106-802.
- (4) "Swine farm" has the same meaning as in G.S. 106-802.

(b) The Commission shall not issue or modify a permit to authorize the construction, operation, or expansion of an animal waste management system that serves a swine farm that employs an anaerobic lagoon as the primary method of treatment and land application of waste by means of a sprayfield as the primary method of waste disposal. The Commission may issue a permit for the construction, operation, or expansion of an animal waste management system that serves a swine farm under this Article only if the Commission determines that the animal waste management system will meet or exceed all of the following performance standards:

- (1) Eliminate the discharge of animal waste to surface water and groundwater through direct discharge, seepage, or runoff.
- (2) Substantially eliminate atmospheric emission of ammonia.
- (3) Substantially eliminate the emission of odor that is detectable beyond the boundaries of the parcel or tract of land on which the swine farm is located.
- (4) Substantially eliminate the release of disease-transmitting vectors and airborne pathogens.
- (5) Substantially eliminate nutrient and heavy metal contamination of soil and groundwater. (2007-523, s. 1(a).)