

1 15A NCAC 02D .1808 is adopted with changes as published in 23:03 NCR 197 as follows:

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3 **15A NCAC 02D .1808 EVALUATION OF NEW OR MODIFIED SWINE FARMS**

4 (a) Purpose. The purpose of this Rule is to specify the methods for evaluating new or modified swine farms for
5 compliance with the performance standard in G.S. 143-215.10I (b)(3).

6 (b) Applicability. This rule applies to new or modified swine farms required by G.S. 143-215.10I to meet the
7 performance standard in G.S. 143-215.10I (b)(3).

8 (c) Requirements. New or modified swine farms subject to this rule shall comply with the requirements in this
9 Section.

10 (d) Evaluation of new or modified swine farms. For the purpose of evaluating odor at new or modified swine
11 farms for compliance with the performance standard in G.S. 143-215.10I (b)(3), the following shall apply:

12 (1) When a field olfactometry method and instrumentation is used to determine odor intensity at
13 the designated evaluation location, as specified in Paragraph .1802(e) of this Section, the
14 measured dilution-to-threshold ratio shall be less than or equal to 7:1 as determined using the
15 manufacturer's instrument procedures and instructions; or

16 (2) When odor intensity is determined using an Odor Intensity Referencing Scale (OIRS) as
17 specified in ASTM 544-99, the instantaneous observed level shall be less than the equivalent
18 of 225 parts per million n-butanol in air. In addition, the average of 30 consecutive
19 observations conducted over a minimum of 30-minutes at designated evaluation locations
20 shall be less than the equivalent of 75 parts per million n-butanol in air and a minimum of 4
21 readings out of the minimum 30 readings shall be less than or equal to the equivalent 25 parts
22 per million n-butanol in air.

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24 *History Note:* G.S. 143-215.10I; 143-215.3(a)(1); 143-215.107(a)(11); 143-215.108(a);
25 *Eff. January 1, 2009.*