

1 15A NCAC 02D .0544 is proposed for amendment as follows:
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3 **15A NCAC 02D .0544 PREVENTION OF SIGNIFICANT DETERIORATION REQUIREMENTS FOR**
4 **GREENHOUSE GASES**

5 (a) The purpose of this Rule is to implement a program for the prevention of significant deterioration of air quality
6 for greenhouse gases as required by 40 CFR 51.166. For purposes of greenhouse gases, the provisions of this Rule
7 shall apply rather than the provisions of Rule .0530 of this Section. For all other regulated NSR pollutants, the
8 provisions of Rule .0530 of this Section apply.

9 (b) For the purposes of this Rule, the definitions contained in 40 CFR 51.166(b) and 40 CFR 51.301 shall apply
10 except the definition of "baseline actual emissions." "Baseline actual emissions" means the rate of emissions, in
11 tons per year, of a regulated new source review (NSR) pollutant, as determined in accordance with Subparagraphs
12 (1) through (3) of this Paragraph:

13 (1) For an existing emissions unit, baseline actual emissions means the average rate, in tons per year,
14 at which the emissions unit actually emitted the pollutant during any consecutive 24-month period
15 selected by the owner or operator within the 5-year period immediately preceding the date that a
16 complete permit application is received by the Division for a permit required under this Rule. The
17 Director shall allow a different time period, not to exceed 10 years immediately preceding the date
18 that a complete permit application is received by the Division, if the owner or operator
19 demonstrates that it is more representative of normal source operation. For the purpose of
20 determining baseline actual emissions, the following shall apply:

21 (A) The average rate shall include fugitive emissions to the extent quantifiable, and emissions
22 associated with startups, shutdowns, and malfunctions;

23 (B) The average rate shall be adjusted downward to exclude any non-compliant emissions
24 that occurred while the source was operating above any emission limitation that was
25 legally enforceable during the consecutive 24-month period;

26 (C) For an existing emission unit (other than an electric utility steam generating unit), the
27 average rate shall be adjusted downward to exclude any emissions that would have
28 exceeded an emission limitation with which the major stationary source must currently
29 comply. However, if the State has taken credit in an attainment demonstration or
30 maintenance plan consistent with the requirements of 40 CFR 51.165(a)(3)(ii)(G) for an
31 emission limitation that is part of a maximum achievable control technology standard that
32 the Administrator proposed or promulgated under part 63 of the Code of Federal
33 Regulations, the baseline actual emissions shall be adjusted to account for such emission
34 reductions;

35 (D) For an electric utility steam generating unit, the average rate shall be adjusted downward
36 to reflect any emissions reductions under G.S. 143-215.107D and for which cost recovery
37 is sought pursuant to G.S. 62-133.6;

38 (E) For a regulated NSR pollutant, when a project involves multiple emissions units, only
39 one consecutive 24-month period shall be used to determine the baseline actual emissions
40 for all the emissions units being changed. A different consecutive 24-month period for
41 each regulated NSR pollutant can be used for each regulated NSR pollutant; and

42 (F) The average rate shall not be based on any consecutive 24-month period for which there
43 is inadequate information for determining annual emissions, in tons per year, and for
44 adjusting this amount if required by Parts (B) and (C) of this Subparagraph;

45 (2) For a new emissions unit, the baseline actual emissions for purposes of determining the emissions
46 increase that will result from the initial construction and operation of such unit shall equal zero;
47 and thereafter, for all other purposes, shall equal the unit's potential to emit; and

48 (3) For a plantwide applicability limit (PAL) for a stationary source, the baseline actual emissions
49 shall be calculated for existing emissions units in accordance with the procedures contained in
50 Subparagraph (1) of this Paragraph and for a new emissions unit in accordance with the
51 procedures contained in Subparagraph (2) of this Paragraph.

52 (c) In the definition of "net emissions increase," the reasonable period specified in 40 CFR 51.166(b)(3)(ii) shall be
53 seven years.

54 (d) The limitation specified in 40 CFR 51.166(b)(15)(ii) shall not apply.

55 (e) Major stationary sources and major modifications shall comply with the requirements contained in 40 CFR
56 51.166(i) and (a)(7) and by extension in 40 CFR 51.166(j) through (o) and (w). The transition provisions allowed by

1 40 CFR 52.21 (i)(11)(i) and (ii) and (m)(1)(vii) and (viii) are hereby adopted under this Rule. The minimum
2 requirements described in the portions of 40 CFR 51.166 referenced in this Paragraph are hereby adopted as the
3 requirements to be used under this Rule, except as otherwise provided in this Rule. Wherever the language of the
4 portions of 40 CFR 51.166 referenced in this Paragraph speaks of the "plan," the requirements described therein
5 shall apply to the source to which they pertain, except as otherwise provided in this Rule. Whenever the portions of
6 40 CFR 51.166 referenced in this Paragraph provide that the State plan may exempt or not apply certain
7 requirements in certain circumstances, those exemptions and provisions of nonapplicability are also hereby adopted
8 under this Rule. However, this provision shall not be interpreted so as to limit information that may be requested
9 from the owner or operator by the Director as specified in 40 CFR 51.166(n)(2).

10 (f) 40 CFR 51.166(w)(10)(iv)(a) is changed to read: "If the emissions level calculated in accordance with Paragraph
11 (w)(6) of this Section is equal to or greater than 80 percent of the PAL [plant wide applicability limit] level, the
12 Director shall renew the PAL at the same level." 40 CFR 51.166(w)(10)(iv)(b) is not incorporated by reference.

13 (g) 15A NCAC 02Q .0102 and .0302 are not applicable to any source to which this Rule applies. The owner or
14 operator of the sources to which this Rule applies shall apply for and receive a permit as required in 15A NCAC
15 02Q .0300 or .0500.

16 (h) When a particular source or modification becomes a major stationary source or major modification solely by
17 virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of
18 the source or modification to emit a pollutant, such as a restriction on hours of operation, then the provisions of this
19 Rule shall apply to the source or modification as though construction had not yet begun on the source or
20 modification.

21 (i) The provisions of 40 CFR 52.21(r)(2) regarding the period of validity of approval to construct are incorporated
22 by reference except that the term "Administrator" is replaced with "Director".

23 (j) Permits may be issued based on innovative control technology as set forth in 40 CFR 51.166(s)(1) if the
24 requirements of 40 CFR 51.166(s)(2) have been met, subject to the condition of 40 CFR 51.166(s)(3), and with the
25 allowance set forth in 40 CFR 51.166(s)(4).

26 (k) A permit application subject to this Rule shall be processed in accordance with the procedures and requirements
27 of 40 CFR 51.166(q). Within 30 days of receipt of the application, applicants shall be notified if the application is
28 complete as to initial information submitted. Commencement of construction before full prevention of significant
29 deterioration approval is obtained constitutes a violation of this Rule.

30 (l) Approval of an application with regard to the requirements of this Rule shall not relieve the owner or operator of
31 the responsibility to comply fully with applicable provisions of other rules of this Subchapter or Subchapter 02Q of
32 this Title and any other requirements under local, state, or federal law.

33 (m) If the owner or operator of a source is using projected actual emissions to avoid applicability of prevention of
34 significant deterioration requirements, the owner or operator shall notify the Director of the modification before
35 beginning actual construction. The notification shall include:

- 36 (1) a description of the project;
- 37 (2) identification of sources whose emissions could be affected by the project;
- 38 (3) the calculated projected actual emissions and an explanation of how the projected actual emissions
39 were calculated, including identification of emissions excluded by 40 CFR 51.166(b)(40)(ii)(c);
- 40 (4) the calculated baseline actual emissions and an explanation of how the baseline actual emissions
41 were calculated; and
- 42 (5) any netting calculations if applicable.

43 If upon reviewing the notification, the Director finds that the project will cause a prevention of significant
44 deterioration evaluation, then the Director shall notify the owner or operator of his findings. The owner or operator
45 shall not make the modification until it has received a permit issued pursuant to this Rule. If a permit revision is not
46 required pursuant to this Rule, the owner or operator shall maintain records of annual emissions in tons per year, on
47 a calendar year basis related to the modifications for 10 years following resumption of regular operations after the
48 change if the project involves increasing the emissions unit's design capacity or its potential to emit the regulated
49 NSR pollutant; otherwise these records shall be maintained for five years following resumption of regular operations
50 after the change. The owner or operator shall submit a report to the Director within 60 days after the end of each
51 year during which these records must be generated. The report shall contain the items listed in 40 CFR
52 51.166(r)(6)(v)(a) through (c). The owner or operator shall make the information documented and maintained under
53 this Paragraph available to the Director or the general public pursuant to the requirements in 40 CFR
54 70.4(b)(3)(viii).

55 (n) The references to the Code of Federal Regulations (CFR) in this Rule are incorporated by reference unless a
56 specific reference states otherwise. The version of the CFR incorporated in this Rule is that published in the Federal

1 ~~Register June 3, 2010 and effective August 2, 2010~~ as of July 20, 2011 and does not include any subsequent
2 amendments or editions to the referenced material. This Rule is applicable as of its effective date in accordance with
3 40 CFR 51.166(b)(48) and (b)(49)(iv) and (v).

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5 *History Note:* Authority G.S. 143-215.3(a)(1); 143-215.107(a)(3); 143-215.107(a)(5); 143-215.107(a)(7); 143-
6 215.108(b); 150B-21.6;
7 Eff. January 28, 2011 pursuant to E.O. 81, Beverly E. Perdue;
8 Pursuant to G.S. 150B-21.3(c), a bill was not ratified by the General Assembly to disapprove this
9 rule.
10 Amended Eff. _____.
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