

## **Chapter 3745-24 Nitrogen Oxide Emission Statements**

## **3745-24-01 Definitions.**

(A) Except as otherwise provided in this rule, the definitions in rule [3745-15-01](#) of the Administrative Code shall apply to this chapter.

(B) As used in Chapter 3745-24 of the Administrative Code:

(1) “Actual emissions” means the rate at which an air contaminant is actually emitted into the ambient air.

(2) “Oxides of nitrogen (NO<sub>x</sub>)” means all oxides of nitrogen which are determined to be ozone precursors, including but not limited to, nitrogen oxide and nitrogen dioxide, but excluding nitrous oxide.

(3) “R&D sources” means research and development sources, as defined in division (O) of section 3704.01 of the Revised Code.

(4) “Volatile organic compounds (VOC)” has the same definition as that contained in paragraph (B)(6) of rule [3745-21-01](#) of the Administrative Code.

Effective: 12/16/2005

R.C. [119.032](#) review dates: 12/16/2010

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Prior Effective Dates: 4/1/1994

## **3745-24-02 Applicability.**

(A) Except as provided in paragraph (B) of this rule, the requirements of this chapter shall apply to any facility that emits twenty-five tons or more of NO<sub>x</sub> and/or twenty-five tons or more of VOC during the calendar year and is located in a county designated as nonattainment for the National Ambient Air Quality Standards for ozone. (In determining whether or not a facility emits twenty-five tons or more of NO<sub>x</sub> or twenty-five tons or more of VOC, any source that is exempt under paragraph (C) of rule [3745-24-04](#) of the Administrative Code shall not be included in the emission estimate.)

(B) Any facility that is located in a county described in paragraph (A) of this rule shall be exempt from the requirements of this Chapter beginning January 1 of the year following the U.S. Environmental Protection Agency redesignation of the county to attainment with the National Ambient Air Quality Standard for Ozone.

(C) Any facility meeting the criteria in paragraph (A) of this rule that is permanently shut down shall file a final emission statement in accordance with rule [3745-24-03](#) and [3745-24-04](#) of the Administrative Code.

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### **3745-24-03 Deadlines for the Submission of the Emission Statements.**

(A) The emission statements for calendar year 1992 shall be submitted no later than July 1, 1994. The emission statements for calendar years 1993 through 2004 shall be submitted by November fifteenth of the calendar year following the year covered by the emission statements. Beginning with reporting year 2005 and each reporting year thereafter, emission statements must be submitted by April fifteenth of the calendar year following the year covered by the emission statements.

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## **3745-24-04 Emission Statement Requirements.**

(A) Any owner or operator of any affected facility that meets the applicability requirements specified in rule [3745-24-02](#) of the Administrative Code shall submit emission statements in accordance with the deadlines specified in rule [3745-24-03](#) of the Administrative Code. If NO<sub>x</sub> or VOC is emitted from a facility at or above the reporting threshold, both pollutants must be included in the emissions statement even if one of the pollutants is emitted at a level below the reporting threshold.

(B) The emission statements shall be submitted to the Ohio EPA in a form and manner prescribed by the director.

(C) Each statement shall include the following general information:

(1) Facility identification information:

(a) Full name, physical location address, and mailing address of the facility.

(b) The Ohio EPA ten-digit premise number.

(c) Either the UTM zone number and horizontal and vertical coordinates of the facility or the latitude and longitude of the facility; and

(d) SIC code.

(2) The calendar year covered by the emission statement.

(3) Certification that the information contained in the statement is accurate to the best knowledge of the certifying individual and that all estimates and judgments relating to such information have been made in good faith. The certification shall include the full name, title, signature, date of signature, and telephone number of the certifying individual.

(D) Except as provided in paragraphs (f) and (g) of this rule, each emission statement shall include the following information for a source of NO<sub>x</sub> or VOC that is not an R&D source:

(1) Ohio EPA source number.

(2) Percentage annual throughput by season, i.e., Winter (December-February), spring (March-May), summer (June-August), and fall (September-November).

(3) Normal operating schedule (hours per day, days per week, and weeks per year).

(4) Annual throughput, using the applicable AIRS facility subsystem source classification codes, including those for each type of fuel and/or different solvent/ink/coating utilized by the source.

(5) Control equipment information:

(a) Description of the existing control equipment.

(b) Current control equipment efficiency (%) for both VOC and NO<sub>x</sub>.

(6) Estimated actual emissions of VOC and NO<sub>x</sub>, in tons per year. Of the methods listed below for which data or information are available at the time the emission statement is prepared, the most accurate method shall be used in calculating the actual emissions:

(a) Source test or other measurements.

(b) Material balance, using engineering knowledge of the process.

(c) AP-42 emission factor.

(d) Best engineering judgment.

(e) State or local agency emission factor.

(7) Estimated actual emissions of VOC and NO<sub>x</sub> in pounds or tons per peak ozone season day.

(8) The method that was used to calculate each air pollutant emission rate.

(9) The emission factor that was used to calculate each air pollutant emission rate, if applicable.

(E) Except as provided in paragraphs (f) and (g) of this rule, each emission statement shall include the following information for an R&D source of VOC or NO<sub>x</sub>:

(1) Ohio EPA source number.

(2) Normal operating schedule (hours per day, days per week, and weeks per year).

(3) Control equipment information:

(a) Description of the existing control equipment.

(b) Current control equipment efficiency (%) for both VOC and NO<sub>x</sub>.

(4) Estimated actual emissions of VOC and NO<sub>x</sub>, in tons per year. Of the methods listed below for which data or information are available at the time the emission statement is prepared, the most accurate method shall be used in calculating the actual emissions:

(a) Source test or other measurements.

(b) Material balance, using engineering knowledge of the process.

(c) AP-42 emission factor.

(d) Best engineering judgment.

(e) State or local agency emission factor.

(5) The method that was used to calculate each air pollutant emission rate.

(6) The emission factor that was used to calculate each air pollutant emission rate, if applicable.

(F) If, for a group of sources, the actual emissions of NO<sub>x</sub> or VOC cannot reasonably be determined on an individual source basis, but it is reasonable to determine the actual emissions on a group basis, the owner or operator of the sources may report the information required by paragraph (d) or (e) of this rule on a group basis.

(G) Exemptions:

(1) Paragraphs (d) and (e) of this rule shall not apply to any source which would be exempt pursuant to division (a) of section 3704.011 of the Revised Code, if applied only to the VOC and NO<sub>x</sub> emissions and notwithstanding the exceptions provided in divisions (a)(1) to (a)(5) of section 3704.011 of the Revised Code or emissions of carbon monoxide, lead, particulates and/or sulfur dioxide in excess of ten pounds per day.

(2) Paragraph (e) of this rule shall not apply to any laboratory or bench-scale R&D sources.

(3) Paragraph (e) of this rule shall not apply to any R&D sources at a facility where the combined potential to emit for all of the R&D sources is less than five tons per year for VOC and less than five tons per year for NO<sub>x</sub> or where the owner or operator maintains records which demonstrate that the combined actual emissions for all of the R & D sources does not exceed five tons per year for VOC and five tons per year for NO<sub>x</sub>.

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