

3745-103-65      **Monitoring, recordkeeping, and reporting.**

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see paragraph (C) of rule 3745-103-01 of the Administrative Code titled "Referenced materials."]

(A) A petition for an alternative emission limitation demonstration period under paragraph (D) of rule 3745-103-62 of the Administrative Code shall include the following information:

(1) In accordance with paragraph (D)(4) of rule 3745-103-62 of the Administrative Code, the following information:

(a) Documentation that the owner or operator solicited bids for a NO<sub>x</sub> emission control system designed for application to the specific boiler and designed to achieve the applicable emission limitation in rule 3745-103-57, 3745-103-58, or 3745-103-59 of the Administrative Code on an annual average basis. This documentation must include a copy of all bid specifications;

(b) A copy of the performance guarantee submitted by the vendor of the installed NO<sub>x</sub> emission control system to the owner or operator showing that such system was designed to meet the applicable emission limitation in rule 3745-103-57, 3745-103-58, or 3745-103-59 of the Administrative Code on an annual average basis;

(c) Documentation describing the operational and combustion conditions that are the basis of the performance guarantee;

(d) Certification by the primary vendor of the NO<sub>x</sub> emission control system that such equipment and associated auxiliary equipment was properly installed according to the modifications and procedures specified by the vendor; and

(e) Certification by the designated representative that the owner(s) or operator installed technology that meets the requirements of paragraph (A)(2) of rule 3745-103-62 of the Administrative Code.

(2) In accordance with paragraph (D)(9) of rule 3745-103-62 of the Administrative Code, the following information:

(a) The operating conditions of the NO<sub>x</sub> emission control system including load range, oxygen range, coal volatile matter range, and, for tangentially fired boilers, distribution of combustion air within the NO<sub>x</sub> emission control system;

- (b) Certification by the designated representative that the owner(s) or operator have achieved and are following the operating conditions, boiler modifications, and upgrades that formed the basis for the system design and performance guarantee;
  - (c) Any planned equipment modifications and upgrades for the purpose of achieving the maximum NO<sub>x</sub> reduction performance of the NO<sub>x</sub> emission control system that were not included in the design specifications and performance guarantee, but that were achieved prior to submission of this application and are being followed;
  - (d) A list of any modifications or replacements of equipment that are to be done prior to the completion of the demonstration period for the purpose of reducing emissions of NO<sub>x</sub>; and
  - (e) The parametric testing that will be conducted to determine the reason or reasons if the unit fails to achieve the applicable emission limitation and to verify the proper operation of the installed NO<sub>x</sub> emission control system during the demonstration period. The tests shall include tests in rule 3745-103-66 of the Administrative Code, which may be modified as follows:
    - (i) The owner or operator of the unit may add tests to those listed in rule 3745-103-66 of the Administrative Code, if such additions provide data relevant to the failure of the installed NO<sub>x</sub> emission control system to meet the applicable emissions limitation in rule 3745-103-57, 3745-103-58, or 3745-103-59 of the Administrative Code; or
    - (ii) The owner or operator of the unit may remove tests listed in rule 3745-103-66 of the Administrative Code that are shown, to the satisfaction of the director, not to be relevant to NO<sub>x</sub> emissions from the affected unit; and
    - (iii) In the event the performance guarantee or the NO<sub>x</sub> emission control system specifications require additional tests not listed in rule 3745-103-66 of the Administrative Code, or specify operating conditions not verified by tests listed in rule 3745-103-66 of the Administrative Code, the owner or operator of the unit shall include such additional tests.
- (3) In accordance with paragraph (D)(10) of rule 3745-103-62 of the Administrative Code, the following information for the operating period:
- (a) The average NO<sub>x</sub> emission rate (in pound per MMBtu) of the specific unit;
  - (b) The highest hourly NO<sub>x</sub> emission rate (in pound per MMBtu) of the specific unit;

- (c) Hourly NO<sub>x</sub> emission rate (in pound per MMBtu), calculated in accordance with 40 CFR Part 75;
  - (d) Total heat input (in MMBtu) for the unit for each hour of operation, calculated in accordance with the requirements of 40 CFR Part 75; and
  - (e) Total integrated hourly unit load (in MWe-hrs), on a gross basis.
- (B) A petition for an alternative emission limitation shall include the following information in accordance with paragraph (E)(6) of rule 3745-103-62 of the Administrative Code.
- (1) Total heat input (in MMBtu) for the unit for each hour of operation, calculated in accordance with the requirements of 40 CFR Part 75;
  - (2) Hourly NO<sub>x</sub> emission rate (in pound per MMBtu), calculated in accordance with the requirements of 40 CFR Part 75; and
  - (3) Total integrated hourly unit load (in MWe-hrs), on a gross basis.

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CERTIFIED ELECTRONICALLY  
Certification

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Date

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