

3745-103-65

Monitoring, recordkeeping, and reporting.

[Comment: For dates and availability 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 all of the following information:

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

(a) Documentation that the owner or operator solicited bids for a NO_x 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~~shall include a copy of all bid specifications;

(b) A copy of the performance guarantee submitted by the vendor of the installed NO_x 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_x 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)~~owner 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, all of the following information:

(a) The operating conditions of the NO_x emission control system including load range, oxygen range, coal_x volatile matter range, and, for

tangentially fired boilers, distribution of combustion air within the NO_x emission control system;

- (b) Certification by the designated representative that the ~~owner(s)~~owner 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_x reduction performance of the NO_x emission control system that ~~were~~^x 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~~shall be done prior to the completion of the demonstration period for the purpose of reducing emissions of NO_x; ~~and~~.
- (e) The parametric testing that ~~will~~shall 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_x 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_x emission control system to meet the applicable emissions limitation^x 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_x emissions from the affected unit; and
 - (iii) In the event the performance guarantee or the NO_x emission control system specifications require additional tests^x 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, all of the following information for the operating period:
- (a) The average NO_x emission rate (in pound per MMBtu) of the specific unit;~~;~~
 - (b) The highest hourly NO_x emission rate (in pound per MMBtu) of the specific unit;~~;~~
 - (c) Hourly NO_x emission rate (in pound per MMBtu), calculated in accordance^x 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 all of 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_x emission rate (in pound per MMBtu), calculated in accordance with the requirements^x of 40 CFR Part 75;~~and.~~
 - (3) Total integrated hourly unit load (in MWe-hrs), on a gross basis.

Effective:

Five Year Review (FYR) Dates: 07/31/2017

Certification

Date

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