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§ 75.71 Specific provisions for monitoring NO\textsubscript{X} and heat input for the purpose of calculating NO\textsubscript{X} mass emissions.

(a) Coal-fired units. The owner or operator of a coal-fired affected unit shall either:

(1) Meet the general operating requirements in §75.10 for a NO\textsubscript{X}-diluent continuous emission monitoring system (consisting of a NO\textsubscript{X} pollutant concentration monitor, an O\textsubscript{2} or CO\textsubscript{2} diluent gas monitor, and a data acquisition and handling system) to measure NO\textsubscript{X} emission rate and for a flow monitoring system and an O\textsubscript{2} or CO\textsubscript{2} diluent gas monitoring system to measure heat input rate, except as provided in accordance with subpart E of this part; or

(2) Meet the general operating requirements in §75.10 for a NO\textsubscript{X} concentration monitoring system (consisting of a NO\textsubscript{X} pollutant concentration monitor and a data acquisition and handling system) to measure NO\textsubscript{X} concentration and for a flow monitoring system and an O\textsubscript{2} or CO\textsubscript{2} diluent monitoring system to measure heat input rate. These requirements must be met, except as provided in accordance with subpart E of this part.

(b) Moisture correction. (1) If a correction for the stack gas moisture content is needed to properly calculate the NO\textsubscript{X} emission rate in lb/mmBtu (e.g., if the NO\textsubscript{X} pollutant concentration monitor in a NO\textsubscript{X}-diluent monitoring system measures on a different moisture basis from the diluent monitor), or to calculate the heat input rate, the owner or operator of an affected unit shall account for the moisture content of the flue gas on a continuous basis in accordance with §75.12(b).

(2) If a correction for the stack gas moisture content is needed to properly calculate NO\textsubscript{X} mass emissions in tons, in the case where a NO\textsubscript{X} concentration monitoring system which measures on a dry basis is used with a flow rate
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monitor to determine NO\textsubscript{X} mass emissions, the owner or operator of an affected unit shall account for the moisture content of the flue gas on a continuous basis in accordance with §75.11(b) except that the term “SO\textsubscript{2}” shall be replaced by the term “NO\textsubscript{X}.”

(3) If a correction for the stack gas moisture content is needed to properly calculate NO\textsubscript{X} mass emissions, in the case where a diluent monitor that measures on a dry basis is used with a flow rate monitor to determine heat input rate, which is then multiplied by the NO\textsubscript{X} emission rate, the owner or operator shall install, operate, maintain, and quality assure a continuous moisture monitoring system, as described in §75.11(b).

(c) Gas-fired nonpeaking units or oil-fired nonpeaking units. The owner or operator of an affected unit that, based on information submitted by the designated representative in the monitoring plan, qualifies as a gas-fired or oil-fired unit but not as a peaking unit, as defined in §72.2 of this chapter, shall either:

(1) Meet the requirements of paragraph (a) of this section and, if applicable, paragraph (b) of this section; or

(2) Meet the general operating requirements in §75.10 for a NO\textsubscript{X}-diluent continuous emission monitoring system, except as provided in accordance with subpart E of this part, and use the procedures specified in appendix D to this part for determining hourly heat input rate, which is then multiplied by the NO\textsubscript{X} emission rate, the owner or operator shall install, operate, maintain, and quality assure a continuous moisture monitoring system, as described in §75.11(b).

(3) If a correction for the stack gas moisture content is needed to properly calculate NO\textsubscript{X} mass emissions, in the case where a diluent monitor that measures on a dry basis is used with a flow rate monitor to determine heat input rate, which is then multiplied by the NO\textsubscript{X} emission rate, the owner or operator shall install, operate, maintain, and quality assure a continuous moisture monitoring system, as described in §75.11(b).

Notwithstanding the requirements of paragraphs (c) and (d) of this section, for an affected unit using the low mass emissions (LME) unit under §75.19 to estimate hourly NO\textsubscript{X} emission rate, heat input and NO\textsubscript{X} mass emissions, the owner or operator shall calculate the ozone season NO\textsubscript{X} mass emissions by summing all of the estimated hourly NO\textsubscript{X} mass emissions in the ozone season, as determined under §75.19(c)(4)(ii)(A), and dividing this sum by 2000 lb/ton.
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§ 75.72 Determination of NO\textsubscript{X} mass emissions for common stack and multiple stack configurations.

The owner or operator of an affected unit shall either: calculate hourly NO\textsubscript{X} mass emissions (in lbs) by multiplying the hourly NO\textsubscript{X} emission rate (in lbs/ mmBtu) by the hourly heat input rate (in mmBtu/hr) and the unit or stack operating time (as defined in §72.2), or, as provided in paragraph (e) of this section, calculate hourly NO\textsubscript{X} mass emissions from the hourly NO\textsubscript{X} concentration (in ppm) and the hourly stack flow rate (in scfh). Only one methodology for determining NO\textsubscript{X} mass emissions shall be identified in the monitoring plan for each monitoring location at any given time. The owner or operator shall also calculate quarterly and cumulative year-to-date NO\textsubscript{X} mass emissions for the ozone season (in tons) by summing the hourly NO\textsubscript{X} mass emissions according to the procedures in section 8 of appendix F to this part.

(a) Unit utilizing common stack with other affected unit(s). When an affected unit utilizes a common stack with one or more other affected units, the owner or operator shall either:

(1) Install, certify, operate, and maintain a NO\textsubscript{X}-diluent continuous emissions monitoring system and a flow monitoring system in the common stack, record the combined NO\textsubscript{X} mass emissions for the units exhausting to the common stack, and, for purposes of determining the hourly unit heat input rates, either:

   (i) Apportion the common stack heat input rate to the individual units according to the procedures in §75.16(e)(3); or

   (ii) Install, certify, operate, and maintain a flow monitoring system and diluent monitor in the duct to the common stack from each unit; or

   (iii) If any of the units using the common stack are eligible to use the procedures in appendix D to this part, the owner or operator may establish the heat input rate for that unit, and for purposes of heat input determination, either:

      (A) Use the procedures in appendix D to determine heat input rate for that unit; and

      (B) Install, certify, operate, and maintain a flow monitoring system and a diluent monitor in the duct to the common stack from each remaining unit; or

   (2) Install, certify, operate, and maintain a NO\textsubscript{X}-diluent continuous emissions monitoring system in the duct to the common stack from each unit and, for purposes of heat input determination, either:

      (i) Install, certify, operate, and maintain a flow monitoring system in the duct to the common stack from each unit; or

      (ii) For any unit using the common stack and eligible to use the procedures in appendix D to this part,

          (A) Use the procedures in appendix D to determine heat input rate for that unit; and

          (B) Install, certify, operate, and maintain a flow monitoring system in the duct to the common stack from each remaining unit.

(b) Unit utilizing common stack with nonaffected unit(s). When one or more affected units utilizes a common stack with one or more nonaffected units, the owner or operator shall either:

(1) Install, certify, operate, and maintain a NO\textsubscript{X}-diluent continuous emission monitoring system in the duct to the common stack from each affected unit and, for purposes of heat input determination:

   (i) Install, certify, operate, and maintain a flow monitoring system in the duct to the common stack from each affected unit; or

   (ii) For any affected unit using the common stack and eligible to use the procedures in appendix D to this part

          (A) Use the procedures in appendix D to determine heat input for that unit; however, for a common pipe configuration, the heat input apportionment provisions in section 2.1.2 of appendix D to this part shall not be used to meet the NO\textsubscript{X} mass reporting provisions of this subpart unless all of the units