

using the procedures in appendix G of this part for each hour of the missing data period until quality-assured CO₂ concentration data are again available.

(d) Upon completion of 720 quality-assured monitor operating hours using the initial missing data procedures of § 75.31(b), the owner or operator shall provide substitute data for CO₂ concentration data or substitute CO₂ data for heat input determination, as applicable, in accordance with the procedures in § 75.33(b), except that the term "CO₂ concentration" shall apply rather than "SO₂ concentration" and the term "CO₂ pollutant concentration monitor" or "COE₂ diluent monitor" shall apply rather than "SO₂ pollutant concentration monitor."

[60 FR 26529, May 17, 1995, as amended at 64 FR 28604, May 26, 1999]

§ 75.36 Missing data procedures for heat input determinations.

(a) When hourly heat input is determined using a flow monitoring system and a diluent gas (O₂ or CO₂) monitor, substitute data must be provided to calculate the heat input whenever quality assured data are unavailable from the flow monitor, the diluent gas monitor, or both. When flow rate data are unavailable, substitute flow rate data for the heat input calculation shall be provided according to § 75.31 or § 75.33, as applicable. On and after April 1, 2000, when diluent gas data are unavailable, the owner or operator shall provide substitute O₂ or CO₂ data for the heat input calculations in accordance with paragraphs (b) and (d) of this section. Prior to April 1, 2000, the owner or operator shall substitute for missing CO₂ or O₂ concentration data in accordance with either paragraphs (c) and (d) or paragraphs (b) and (d) of this section.

(b) During the first 720 quality-assured monitor operating hours following initial certification (i.e., the date and time at which quality assured data begins to be recorded by the CEMS), or (for a previously certified CO₂ or O₂ monitor) during the 720 quality-assured monitor operating hours preceding implementation of the standard missing data procedures in paragraph (d) of this section, the owner or operator shall provide substitute CO₂

or O₂ data, as applicable, for the calculation of heat input (under section 5.2 of appendix F to this part) according to § 75.31(b).

(c) Upon completion of the first 720 quality-assured monitor operating hours following initial certification of the CO₂ (or O₂) pollutant concentration monitor, the owner or operator shall provide substitute data for CO₂ or O₂ concentration to calculate heat input or shall substitute heat input determined under appendix F of this part according to the procedures in paragraphs (c)(1), (c)(2), or (c)(3) of this section. Upon completion of 2,160 quality-assured monitor operating hours following initial certification of the flow monitor, the owner or operator shall provide substitute data for volumetric flow according to the procedures in § 75.33 in order to calculate heat input, unless required to determine heat input using the fuel sampling procedures in appendix F of this part under paragraphs (c)(1), (c)(2) or (c)(3) of this section.

(1) Whenever a quality-assured monitor operating hour of CO₂ or O₂ concentration data has not been obtained and recorded for a period less than or equal to 72 hours or for a missing data period where the percent monitor data availability for the CO₂ or O₂ pollutant concentration monitor as of the last unit operating hour of the previous calendar quarter was greater than or equal to 90.0 percent, the owner or operator shall substitute the average of the recorded CO₂ or O₂ concentration for the hour before and the hour after the missing data period for each hour in each missing data period to calculate heat input.

(2) Whenever a quality-assured monitor operating hour of CO₂ or O₂ concentration data has not been obtained and recorded for a period of 72 consecutive unit operating hours or more, the owner or operator shall begin substituting heat input calculated using the procedures in section 5.5 of appendix F of this part beginning with the seventy-third hour of the missing data period until quality-assured CO₂ or O₂ concentration data are again available. The owner or operator shall use the CO₂ or O₂ concentration from the hour

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before the missing data period to substitute for hours 1 through 72 of the missing data period.

(3) Whenever no quality-assured CO₂ or O₂ concentration data are available for a period where the percent monitor data availability for the CO₂ continuous emission monitoring system (or O₂ diluent monitor) as of the last unit operating hour of the previous calendar quarter was less than 90.0 percent, the owner or operator shall substitute heat input calculated using the procedures in section 5.5 of appendix F of this part for each hour of the missing data period until quality-assured CO₂ or O₂ concentration data are again available.

(d) Upon completion of 720 quality-assured monitor operating hours using the initial missing data procedures of § 75.31(b), the owner or operator shall provide substitute data for CO₂ or O₂ concentration to calculate heat input, as follows. Substitute CO₂ data for heat input determinations shall be provided according to § 75.35(d). Substitute O₂ data for the heat input determinations shall be provided in accordance with the procedures in § 75.33(b), except that the term "O₂ concentration" shall apply rather than the term "SO₂ concentration" and the term "O₂ diluent monitor" shall apply rather than the term "SO₂ pollutant concentration monitor." In addition, the term "substitute the lesser of" shall apply rather than "substitute the greater of;" the terms "minimum hourly O₂ concentration" and "minimum potential O₂ concentration, as determined under section 2.1.3.2 of appendix A to this part" shall apply rather than, respectively, the terms "maximum hourly SO₂ concentration" and "maximum potential SO₂ concentration, as determined under section 2.1.1.1 of appendix A to this part;" and the terms "10th percentile" and "5th percentile" shall apply rather than, respectively, the terms "90th percentile" and "95th percentile" (see Table 1 of § 75.33).

[60 FR 26530, May 17, 1995, as amended at 64 FR 28604, May 26, 1999]

§ 75.37 Missing data procedures for moisture.

(a) On and after April 1, 2000, the owner or operator of a unit with a continuous moisture monitoring system

shall substitute for missing moisture data using the procedures of this section. Prior to April 1, 2000, the owner or operator may substitute for missing moisture data using the procedures of this section.

(b) Where no prior quality assured moisture data exist, substitute the minimum potential moisture percentage, from section 2.1.5 of appendix A to this part, except when Equation 19-3, 19-4 or 19-8 in Method 19 in appendix A to part 60 of this chapter is used to determine NO_x emission rate. If Equation 19-3, 19-4 or 19-8 in Method 19 in appendix A to part 60 of this chapter is used to determine NO_x emission rate, substitute the maximum potential moisture percentage, as specified in section 2.1.6 of appendix A to this part.

(c) During the first 720 quality assured monitor operating hours following initial certification (i.e., the date and time at which quality assured data begins to be recorded by the moisture monitoring system), the owner or operator shall provide substitute data for moisture according to § 75.31(b).

(d) Upon completion of the first 720 quality-assured monitor operating hours following initial certification of the moisture monitoring system, the owner or operator shall provide substitute data for moisture as follows:

(1) Unless Equation 19-3, 19-4 or 19-8 in Method 19 in appendix A to part 60 of this chapter is used to determine NO_x emission rate, follow the missing data procedures in § 75.33(b), except that the term "moisture percentage" shall apply rather than "SO₂ concentration;" the term "moisture monitoring system" shall apply rather than the term "SO₂ pollutant concentration monitor;" the term "substitute the lesser of" shall apply rather than "substitute the greater of;" the terms "minimum hourly moisture percentage" and "minimum potential moisture percentage, as determined under section 2.1.5 of appendix A to this part" shall apply rather than, respectively, the terms "maximum hourly SO₂ concentration" and "maximum potential SO₂ concentration, as determined under section 2.1.1.1 of appendix A to this part;" and the terms "10th percentile" and "5th percentile" shall apply rather than, respectively, the