

TABLE 4—NON-LOAD-BASED MISSING DATA PROCEDURE FOR FLOW RATE CEMS—Continued

Trigger conditions		Calculation routines	
Monitor data availability (percent)	Duration (N) of CEMS outage (hours) <sup>1</sup>	Method	Lookback period
80 or more, but below 90 .....	N > 8	The greater of: .....	HB/HA
Below 80, or operational bin indeterminate.	N > 0	Average .....	2160 hours*
	N > 0	95th percentile .....	2160 hours*
		Maximum value .....	None
		Maximum potential flow rate .....	

\* If operational bins are used, the lookback period is the previous 2,160 quality-assured, monitor operating hours and data at the corresponding operational bin are used to provide substitute data values. If operational bins are not used, the lookback period is the previous 2,160 quality-assured, monitor operating hours. For units that report data only for the ozone season, include only quality-assured monitor operating hours within the ozone season in the lookback period. Use data from no earlier than three years prior to the missing data period.

<sup>1</sup> During unit operation.

[58 FR 3701, Jan. 11, 1993, as amended at 60 FR 26529, May 17, 1995; 61 FR 25582, May 22, 1996; 64 FR 28602, May 26, 1999; 67 FR 40434, June 12, 2002; 67 FR 53505, Aug. 16, 2002; 67 FR 57274, Sept. 9, 2002]

**§ 75.34 Units with add-on emission controls.**

(a) The owner or operator of an affected unit equipped with add-on SO<sub>2</sub> and/or NO<sub>x</sub> emission controls shall use one of the options in paragraphs (a)(1), (a)(2) or (a)(4) of this section for each hour in which quality-assured data from the outlet SO<sub>2</sub> and/or NO<sub>x</sub> monitoring system(s) are not obtained, and shall document which option is selected in the monitoring plan required under § 75.53. If the option in paragraph (a)(1) or (a)(2) is selected, the owner or operator may also use the petition provision in paragraph (a)(3) of this section.

(1) The owner or operator may use the missing data substitution procedures specified in §§ 75.31 through 75.33 to provide substitute data for any missing data hour(s) in which the add-on emission controls are documented to be operating properly, as described in the quality assurance/quality control program for the unit, required by section 1 in appendix B of this part. To provide the necessary documentation, the owner or operator shall, for each missing data period, record parametric data to verify the proper operation of the SO<sub>2</sub> or NO<sub>x</sub> add-on emission controls during each hour, as described in paragraph (d) of this section. For any missing data hour(s) in which such parametric data are either not pro-

vided or, if provided, do not demonstrate that proper operation of the SO<sub>2</sub> or NO<sub>x</sub> add-on emission controls has been maintained, the owner or operator shall substitute (as applicable) the maximum potential NO<sub>x</sub> concentration (MPC) as defined in section 2.1.2.1 of appendix A to this part, the maximum potential NO<sub>x</sub> emission rate, as defined in § 72.2 of this chapter, or the maximum potential concentration for SO<sub>2</sub>, as defined by section 2.1.1.1. Alternatively, for SO<sub>2</sub> or NO<sub>x</sub>, the owner or operator may substitute, if available, the hourly SO<sub>2</sub> or NO<sub>x</sub> concentration recorded by a certified inlet monitor, in lieu of the MPC. For each hour in which data from an inlet monitor are reported, the owner or operator shall use a method of determination code (MODC) of “22” (see Table 4a in § 75.57). In addition, under § 75.64(c), the designated representative shall submit as part of each electronic quarterly report, a certification statement, verifying the proper operation of the SO<sub>2</sub> or NO<sub>x</sub> add-on emission control for each missing data period in which the missing data procedures of §§ 75.31 through 75.33 were applied; or

(2) This paragraph, (a)(2), applies only to a unit which, as provided in § 75.74(a) or § 75.74(b)(1), reports NO<sub>x</sub> mass emissions on a year-round basis under a state or Federal NO<sub>x</sub> mass emissions reduction program that adopts the emissions monitoring provisions of this part. If the add-on NO<sub>x</sub> emission controls installed on such a unit are operated only during the ozone

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season or are operated in a more efficient manner during the ozone season than outside the ozone season, the owner or operator may implement the missing data provisions of paragraph (a)(1) of this section in the following alternative manner:

(i) The historical, quality-assured NO<sub>x</sub> emission rate or NO<sub>x</sub> concentration data may be separated into two categories, i.e., data recorded inside the ozone season and data recorded outside the ozone season;

(ii) For the purposes of the missing data lookback periods described under §§ 75.33(c)(1), (c)(2) and (c)(3), the substitute data values shall be taken from the appropriate database, depending on the date(s) and hour(s) of the missing data period. That is, if the missing data period occurs inside the ozone season, the ozone season data shall be used to provide substitute data. If the missing data period occurs outside the ozone season, data from outside the ozone season shall be used to provide substitute data.

(iii) A missing data period that begins outside the ozone season and continues into the ozone season shall be considered to be two separate missing data periods, one ending on April 30, hour 23, and the other beginning on May 1, hour 00;

(iv) For missing data hours outside the ozone season, the procedures of § 75.33 may be applied unconditionally, i.e., documentation of the operational status of the emission controls is not required in order to apply the standard missing data routines.

(3) The designated representative may petition the Administrator under § 75.66 to replace the maximum recorded value in the last 720 quality-assured monitor operating hours with a value corresponding to the maximum controlled emission rate (an emission rate recorded when the add-on emission controls were operating) recorded during the last 720 quality-assured monitor operating hours. For such a petition, the designated representative must demonstrate that the following conditions are met: the monitor data availability, calculated in accordance with § 75.32, for the affected unit is below 90.0 percent and parametric data establish that the add-on emission con-

trols were operating properly (i.e., within the range of operating parameters provided in the quality assurance/quality control program) during the time period under petition.

(4) The designated representative may petition the Administrator under § 75.66 for approval of site-specific parametric monitoring procedure(s) for calculating substitute data for missing SO<sub>2</sub> pollutant concentration, NO<sub>x</sub> pollutant concentration, and NO<sub>x</sub> emission rate data in accordance with the requirements of paragraphs (b) and (c) of this section and appendix C to this part. The owner or operator shall record the data required in appendix C to this part, pursuant to § 75.58(b).

(b) For an affected unit equipped with add-on SO<sub>2</sub> emission controls, the designated representative may petition the Administrator to approve a parametric monitoring procedure, as described in appendix C of this part, for calculating substitute SO<sub>2</sub> concentration data for missing data periods. The owner or operator shall use the procedures in §§ 75.31, 75.33, or 75.34(a) for providing substitute data for missing SO<sub>2</sub> concentration data unless a parametric monitoring procedure has been approved by the Administrator.

(1) Where the monitor data availability is 90.0 percent or more for an outlet SO<sub>2</sub> pollutant concentration monitor, the owner or operator may calculate substitute data using an approved parametric monitoring procedure.

(2) Where the monitor data availability for an outlet SO<sub>2</sub> pollutant concentration monitor is less than 90.0 percent, the owner or operator shall calculate substitute data using the procedures in § 75.34(a) (1) or (2), even if the Administrator has approved a parametric monitoring procedure.

(c) For an affected unit with NO<sub>x</sub> add-on emission controls, the designated representative may petition the Administrator to approve a parametric monitoring procedure, as described in appendix C of this part, in order to calculate substitute NO<sub>x</sub> emission rate data for missing data periods. The owner or operator shall use the procedures in § 75.31 or 75.33 for providing substitute data for missing NO<sub>x</sub> emission rate data prior to receiving

the Administrator's approval for a parametric monitoring procedure.

(1) Where monitor data availability for a NO<sub>x</sub> continuous emission monitoring system is 90.0 percent or more, the owner or operator may calculate substitute data using an approved parametric monitoring procedure.

(2) Where monitor data availability for a NO<sub>x</sub> continuous emission monitoring system is less than 90.0 percent, the owner or operator shall calculate substitute data using the procedure in § 75.34(a) (1) or (2), even if the Administrator has approved a parametric monitoring procedure.

(d) In order to implement the options in paragraphs (a)(1) and (a)(3) of this section, the owner or operator shall keep records of information as described in § 75.58(b)(3) to verify the proper operation of all add-on SO<sub>2</sub> or NO<sub>x</sub> emission controls, during all periods of SO<sub>2</sub> or NO<sub>x</sub> emission missing data. If the owner or operator elects to implement the missing data option in paragraph (a)(2) of this section, the records in § 75.58(b)(3) are required to be kept only for the ozone season. The owner or operator shall document in the quality assurance/quality control (QA/QC) program required by section 1 of appendix B to this part, the parameters monitored and (as applicable) the ranges and combinations of parameters that indicate proper operation of the controls. The owner or operator shall provide the information recorded under § 75.58(b)(3) and the related QA/QC program information to the Administrator, to the EPA Regional Office, or to the appropriate State or local agency, upon request.

[60 FR 26567, May 17, 1995, as amended at 61 FR 59160, Nov. 20, 1996; 64 FR 28604, May 26, 1999; 67 FR 40438, June 12, 2002]

#### § 75.35 Missing data procedures for CO<sub>2</sub>.

(a) The owner or operator of a unit with a CO<sub>2</sub> continuous emission monitoring system for determining CO<sub>2</sub> mass emissions in accordance with § 75.10 (or an O<sub>2</sub> monitor that is used to determine CO<sub>2</sub> concentration in accordance with appendix F to this part) shall substitute for missing CO<sub>2</sub> pollutant concentration data using the proce-

dures of paragraphs (b) and (d) of this section.

(b) During the first 720 quality-assured monitor operating hours following initial certification at a particular unit or stack location (i.e., the date and time at which quality-assured data begins to be recorded by a CEMS at that location), or (when implementing these procedures for a previously certified CO<sub>2</sub> monitoring system) 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 CO<sub>2</sub> pollutant concentration data or substitute CO<sub>2</sub> data for heat input determination, as applicable, according to the procedures in § 75.31(b).

(c) [Reserved]

(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 CO<sub>2</sub> concentration or substitute CO<sub>2</sub> data for heat input determination, as applicable, in accordance with the procedures in § 75.33(b) except that the term "CO<sub>2</sub> concentration" shall apply rather than "SO<sub>2</sub> concentration," the term "CO<sub>2</sub> pollutant concentration monitor" or "CO<sub>2</sub> diluent monitor" shall apply rather than "SO<sub>2</sub> pollutant concentration monitor," and the term "maximum potential CO<sub>2</sub> concentration, as defined in section 2.1.3.1 of appendix A to this part" shall apply, rather than "maximum potential SO<sub>2</sub> concentration."

[67 FR 40439, June 12, 2002]

#### § 75.36 Missing data procedures for heat input rate determinations.

(a) When hourly heat input rate is determined using a flow monitoring system and a diluent gas (O<sub>2</sub> or CO<sub>2</sub>) 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 rate calculation shall be provided according to § 75.31 or § 75.33, as applicable. When diluent gas