

Question 24.5

Topic: Appendix E -- Missing Data

Question: For an oil and gas-fired peaking unit, is a retest of the Appendix E NO_x correlation curve needed if the unit operates at a load beyond the highest heat input rate on the curve?

Answer: No. If the unit operates at a higher-than-expected load, such that the hourly heat input rate is higher than the highest value on the correlation curve, the unit is considered to be in a missing data situation. When this occurs, Section 2.5.2.1 of Appendix E requires that you report the NO_x emission rate for each hour of the missing data period using one of the following methodologies:

(1) Report the higher of:

- (a) the linear extrapolation of the emission rate at the maximum load from the applicable correlation graph, or
- (b) the maximum potential NO_x emission rate, or MER (as defined in § 72.2); or

(2) Report 1.25 times the highest NO_x emission rate on the correlation curve, not to exceed the MER. For units with NO_x controls, this option may only be used if the controls are documented (e.g., by means of parametric data) to be working during the missing data period. If the controls are not documented to be working, report the MER.

References: Appendix E, Sections 2.3 and 2.5.2.1

History: First published in December 1995, Update #7 as Question 4.16; renumbered in October 1999 Revised Manual; revised in December 2000, Update #13; revised in October 2003 Revised Manual; revised in 2013 Manual