

Question 13.16

Topic: Reporting Heat Input -- Multiplication by Operating Time and Fuel Usage Time

Question: For Appendix E reporting, do we multiply the fuel usage time by the hourly heat input rate to determine total hourly heat input prior to reading the NO_x emission rate from the correlation curve?

Answer: For Appendix E, use the hourly heat input *rate* (lb/mmBtu), rather than the hourly heat input (mmBtu) to determine the NO_x emission rate from the correlation curve. If you burn multiple fuels in an hour, then use the total heat input for each fuel for the hour (heat input rate multiplied by fuel usage time) in calculating the average NO_x emission rate for the unit for the hour (see Equations E-1 and E-2).

References: Appendix E, Sections 3.3.4, 2.4.1, and 2.4.3

History: First published in November 1995, Update #7; revised in October 1999 Revised Manual; revised in 2013 Manual