Question 16.8

Topic: Heat Input Calculations and Reporting for Monitoring in Multiple Stacks or Ducts

Question: What are the requirements for heat input reporting for a unit using CEMS in multiple stacks or ducts?

Answer: You must use "MS" prefixes to define a multiple stack or duct configuration. Calculate hourly heat input rate for each stack or duct individually and report this value for that stack or duct. Calculate the hourly heat input rate for the unit by summing the heat input values for the corresponding stacks or ducts for that hour and dividing by the unit operating time (using Equation F-21c) and report that value reported for the unit.

Provide quarterly and cumulative heat input data for each stack or duct in the multiple stack or duct configuration. Also provide quarterly and cumulative *composite* heat input data for the affected unit (i.e., the sum of the duct or stack heat inputs).

For each stack or duct, determine the quarterly or cumulative heat input as follows:
(1) multiply each hourly heat input rate for the stack or duct by the corresponding stack operating time; and

(2) take the sum of these products.

References: § 75.16

History: First published in March 1995, Update #5; revised in October 1999 Revised Manual; revised in 2013 Manual