

## Question 14.8

**Topic:** Valid Hour -- Calibration Error Tests

**Question:** If a successful daily calibration error test of a CEMS began at 08:00 and ended at 08:16 and the unit completed shutdown at 08:29 with only one minute of valid data for the hour, at 08:20, is the hour valid?

**Answer:** No---missing data substitution must be used for that hour. For operating hours in which the calibration, quality assurance, or maintenance activities required by § 75.21 and Appendix B are performed, § 75.10(d)(1) specifies that a valid hour consists of at least two data points separated by a minimum of 15 minutes.

Note that if the successful calibration in this example had begun at 08:01 instead of 08:00, and if valid CEM data had been obtained in the first minute of the hour, then there would have been sufficient data to compute a valid hourly average.

**References:** § 75.10(d)(1), § 75.21; Appendix B

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