

Question 24.8

Topic: Appendix E -- Redetermination of Correlation

Question: Appendix E requires redetermination of the NO_x emission rate-heat input correlation whenever the unit operates for more than 16 hours outside the acceptable QA ranges specified in the QA plan for any of the parameters that are indicative of a stationary gas turbine's NO_x formation characteristics.

- Do the 16 operating hours have to be successive?
- May they be interrupted by periods of non-operation?
- Does the redetermination clock reset to zero if the parameters return to normal for even one hour?

Answer: Section 2.3.1 of Appendix E states that redetermination is necessary when any of the parameters is outside the acceptable QA ranges for ". . . one or more successive operating periods totaling more than 16 unit operating hours." This is interpreted to mean that the 16 unit operating hours must be consecutive, but may be interrupted by periods of non-operation. If the parameter(s) in question return to normal for even one hour prior to the 16th consecutive hour, then the redetermination clock resets to zero.

References: Appendix E, Section 2.3.1

History: First published in November 1995, Update #7 as Question 4.20; renumbered in October 1999 Revised Manual; revised in 2013 Manual