

**§ 63.6115 When must I conduct subsequent performance tests?**

If you are complying with the formaldehyde emission concentration limitation and your stationary combustion turbine is lean premix, this section applies to you. If you are not attaining low NO<sub>x</sub> levels, as permitted by an enforcement agency, or if there are not permit levels and you are not attaining low NO<sub>x</sub> levels characteristic of lean premix combustion (e.g., NO<sub>x</sub> levels guaranteed by the manufacturer), additional performance testing may be required by the enforcement agency.

**§ 63.6120 What performance tests and other procedures must I use?**

(a) You must conduct each performance test in Table 3 of this subpart that applies to you.

(b) For demonstrations of initial compliance with the emission limitation for carbon monoxide (CO) reduction, you must complete the actions described in paragraphs b(1) and (2) of this section.

(1) Normalize the CO concentrations at the inlet and outlet of the oxidation catalyst emission control device to a dry basis and to 15 percent oxygen or an equivalent percent carbon dioxide (CO<sub>2</sub>).

(2) Calculate the percent reduction of CO using the following equation 1 of this section:

$$\frac{C_i - C_o}{C_i} \times 100 = R \quad \text{Eq. 1}$$

Where:

C<sub>i</sub> = CO concentration at inlet of the oxidation catalyst emission control device

C<sub>o</sub> = CO concentration at the outlet of the oxidation catalyst emission control device

R = percent reduction in CO emissions.

(3) The initial demonstration of compliance consists of the first 4-hour average percent reduction in CO recorded after completion of the performance evaluation of the CEMS.

(c) Each performance test must be conducted according to the requirements of the General Provisions at § 63.7(e)(1) and under the specific conditions in Table 2 of this subpart.

(d) Do not conduct performance tests or compliance evaluations during periods of startup, shutdown, or malfunction.

(e) If you comply with the emission limit for formaldehyde emission concentration, you must conduct three separate test runs for each performance test, and each test run must last at least 1 hour.

(f) If you comply with the emission limitation for formaldehyde emission

concentration and your stationary combustion turbine is not diffusion flame or lean premix, you must petition the Administrator for additional operating limitations to be established during the initial performance test and continuously monitored thereafter, or for approval of no additional operating limitations. You must not conduct the initial performance test until after the petition has been approved by the Administrator.

(g) If you comply with the emission limitation for formaldehyde emission concentration and your stationary combustion turbine is not diffusion flame or lean premix and you petition the Administrator for approval of additional operating limitations, your petition must include the following information described in paragraphs (g)(1) through (5) of this section.

(1) Identification of the specific parameters you propose to use as additional operating limitations;

(2) A discussion of the relationship between these parameters and HAP emissions, identifying how HAP emissions change with changes in these parameters and how limitations on these parameters will serve to limit HAP emissions;

(3) A discussion of how you will establish the upper and/or lower values for these parameters which will establish the limits on these parameters in the operating limitations;

(4) A discussion identifying the methods you will use to measure and the instruments you will use to monitor these parameters, as well as the relative accuracy and precision of these methods and instruments; and

(5) A discussion identifying the frequency and methods for recalibrating the instruments you will use for monitoring these parameters.

(h) If you comply with the emission limitation for formaldehyde emission concentration and you petition the Administrator for approval of no additional operating limitations, your petition must include the information described in paragraphs (h)(1) through (7) of this section.

(1) Identification of the parameters associated with operation of the stationary combustion turbine and any emission control device which could change intentionally (e.g., operator adjustment, automatic controller adjustment, etc.) or unintentionally (e.g., wear and tear, error, etc.) on a routine basis or over time;

(2) A discussion of the relationship, if any, between changes in the parameters and changes in HAP emissions;

(3) For the parameters which could change in such a way as to increase

HAP emissions, a discussion of whether establishing limitations on the parameters would serve to limit HAP emissions;

(4) For the parameters which could change in such a way as to increase HAP emissions, a discussion of how you could establish upper and/or lower values for the parameters which would establish limits on the parameters in operating limitations;

(5) For the parameters, a discussion identifying the methods you could use to measure them and the instruments you could use to monitor them, as well as the relative accuracy and precision of the methods and instruments;

(6) For the parameters, a discussion identifying the frequency and methods for recalibrating the instruments you could use to monitor them; and

(7) A discussion of why, from your point of view, it is infeasible or unreasonable to adopt the parameters as operating limitations.

**§ 63.6125 What are my monitor installation, operation, and maintenance requirements?**

(a) If you comply with the emission limitation for CO reduction, you must install, operate, and maintain a CEMS to monitor CO and either oxygen or CO<sub>2</sub> at both the inlet and outlet of the oxidation catalyst emission control device according to the requirements described in paragraphs (a)(1) through (4) of this section.

(1) You must install, operate, and maintain each CEMS according to the applicable Performance Specification of 40 CFR part 60, appendix B (PS-4A).

(2) You must conduct a performance evaluation of each CEMS according to the requirements in 40 CFR 63.8 and according to the applicable Performance Specification of 40 CFR part 60, appendix B.

(3) As specified in § 63.8(c)(4)(ii), each CEMS must complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each consecutive 15-minute period. You must have at least two data points, each representing a different 15-minute period within the same hour to have a valid hour of data.

(4) Continuous emission monitoring system data must be reduced as specified in § 63.8(g)(2) and recorded in parts per million (ppm) CO at 15 percent oxygen or equivalent CO<sub>2</sub> concentration.

(b) If you have monitors that are subject to paragraph (a) of this section, you must properly maintain and operate the monitors continuously according to the requirements described in paragraphs (b)(1) and (2) of this section.