40 C.F.R. § 62.14452

What test methods and procedures must I use?

You must use the following test methods and procedures to conduct performance tests to determine compliance with the emission limits:

(a) All performance tests must consist of a minimum of three test runs conducted under representative operating conditions;

(b) The minimum sample time must be 1 hour per test run unless otherwise indicated in this section;

(c) You must use EPA Reference Method 1 of 40 CFR part 60, appendix A−1 to select the sampling location and number of traverse points;

(d) You must use EPA Reference Method 3, 3A or 3B of 40 CFR part 60, appendix A−2 for gas composition analysis, including measurement of oxygen concentration. You must use EPA Reference Method 3, 3A or 3B of 40 CFR part 60, appendix A−2 simultaneously with each reference method. You may use ASME PTC−19−10−1981−Part 10 (incorporated by reference in 40 CFR 60.17) as an alternative to EPA Reference Method 3B;

(e) You must adjust pollutant concentrations to 7 percent oxygen using the following equation:

$$C_{adj} = C_{meas} (20.9 - 7)/(20.9 - \%O_2) \qquad \text{(Eq. 1)}$$

Where:

C_{adj} = pollutant concentration adjusted to 7 percent oxygen; C_{meas} = pollutant concentration measured on a dry basis at standard conditions $(20.9-7)$ = 20.9 percent oxygen—7 percent oxygen (defined oxygen correction basis); 20.9 = oxygen concentration in air, percent; and $\%O_2$ = oxygen concentration measured on a dry basis at standard conditions, percent.

(f) You must use EPA Reference Method 5 of 40 CFR part 60, appendix A−3 or Method 26A or Method 29 of 40 CFR part 60, appendix A−8 to measure particulate matter (PM) emissions. You may use bag leak detection systems, as specified in § 62.14454(e), or PM continuous emissions monitoring systems (CEMS), as specified in paragraph (o) of this section, as an alternative to demonstrate compliance with the PM emissions limit;